



UWI
ST. AUGUSTINE
CAMPUS

FACULTY REPORT
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MATTA SEASON

There is a time of year on our Campus when the word “lime” could refer only to the small, sour citrus fruit; some classes and tutorials suddenly swell in size and everyone focusses on what matters. This time when exams are around the corner, is what UWI students have traditionally referred to as “matta season”. In 2016/2017, faced with testing times, at the St. Augustine Campus it was matta season on an institutional scale.

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Professor Stephan Gift
Faculty Dean

Executive Summary

For the period 2016/2017, the major accomplishments for the Faculty of Engineering included the Department of Chemical Engineering's successful re-accreditation of the MSc in Petroleum and Reservoir Engineering by the Energy Institute of London for five years; and the BSc programmes in Mechanical, Mechanical with a Minor in Biosystems, and Industrialisation, as well as the MSc programmes in Engineering Asset Management, and Manufacturing Engineering and Management in the Department of Mechanical and Manufacturing Engineering were all re-accredited for five years. Other highlights include the recognition of the Department of Electrical and Computer Engineering at the Vice-Chancellor's Awards in 2016, the completion of the upgrade of fume hoods in all laboratories, and the installation of a fire escape in Block 1.

Enrolment

According to official Campus figures, 2,397 students were enrolled at both the undergraduate and postgraduate levels during the 2016/2017 academic year – a 6% decrease from the previous year.

The total intake of students in the undergraduate and certificate programmes in the Faculty of Engineering increased slightly thanks to a 50% increase in student intake in the Certificate in Geographic and Land Information Systems Management (GLIS) programme. The Departments of Chemical Engineering, and Mechanical and Manufacturing Engineering also experienced a 14% and 7% increase in undergraduate enrolment respectively during the 2016/2017 academic year.

The Faculty experienced an 18% decline in its intake for taught Postgraduate Diploma and Masters programmes (from 279 to 230 students). However, there was an upward movement in new student enrolment for the MPhil and PhD programmes which increased annually from 10 students in 2014/2015, to 13 students, then 19 students in 2016/2017.

Graduation Undergraduate

During the review period the graduating cohort numbered 313, which was slightly lower than the previous year. Fourteen percent of the graduating class achieved First Class Honours, and more than three quarters attained Honours degrees. There was a 55% increase in the number of graduates from the Certificate in Geomatics and Land Information Systems programme, a number that had been trending upward for some time.

The quality of the degree certificates earned has fluctuated over the last three years, due possibly to the revised Grade Point Average (GPA) scheme and adjustments to the pass/fail bands. The academic year 2016/2017 saw the first cohort of graduates since the implementation of the 50% pass rate.

Once again, the Faculty of Engineering honoured its top performing students at its Prizes and Awards Ceremony. The Most Outstanding Graduating Student for the year was **Joshua Davis Ramsamooj** who graduated from the BSc Electrical and Computer Engineering programme with a 4.24 GPA.

Postgraduate

The Faculty graduated 185 MSc students (up 11% over the previous year), 18% of whom achieved Distinctions, and 65 were graduating from the Project Management programme alone. Twenty-five students graduated from the Faculty's Postgraduate Diploma programmes – seven with Distinction; one MPhil each from the Civil Engineering and Surveying and Land Information programmes; and five PhDs were awarded in the fields of Civil Engineering, Construction Management, and Surveying and Land Information.

Teaching and Learning

In this review period, the following programmes in the Faculty gained re-accreditation from their respective international professional bodies:

Department of Chemical Engineering (for five years).
MSc in Petroleum and Reservoir Engineering - Energy Institute of London and

Department of Mechanical and Manufacturing Engineering (for five years)
BSc in Mechanical Engineering
BSc in Mechanical Engineering with a minor in Biosystems
MSc in Engineering Asset Management
MSc in Manufacturing Engineering and Management

The **Department of Electrical and Computer Engineering** won the Vice-Chancellor's Award for Departmental Excellence 2016 and the **Department of Civil and Environmental Engineering** made a resubmission to the Joint Board of Moderators for accreditation of its undergraduate and postgraduate programmes.

Employee Engagement

Several members of academic staff attended CETL workshops/seminars. During the review period, technical staff members attended training in Helping Research Facilities Achieve Safe Energy Efficient and Sustainable Laboratories, Quality Assurance for the Analytical Laboratory, and Risk Assessment and First Aid training. Members of the administrative staff participated in in-house courses/workshops such as Advanced Business Writing and Communication, Programme and Project Management, Minute Writing, and Mediation.

Research and Innovation

Department of Chemical Engineering: Research continued in the different disciplines within the Department in areas such as Chemical and Process Engineering, Food Science and Technology, and Petroleum Studies, resulting in approximately 15 journal publications and a similar number of conference presentations from students and staff members. The Department also continued to collaborate with local, regional and international institutions and agencies. In Chemical and Process Engineering, the major areas of research are in hydrocarbon processes, waste water treatment, supercritical CO₂ extractions, flow in pipelines, process control and optimisation, algal generation to produce valuable raw materials, biofuels and fuel cells. There are three MPhil and three PhD students.

At the Food Science and Technology Unit the major areas of research are on value-added products from cassava, sweet potato, cocoa, breadfruit, ackee, jamun fruit analyses, microwave and hot air drying. The Unit collaborates with the Inter-American Institute for Cooperation on

Agriculture (IICA), the Caribbean Agricultural Research and Development Institute (CARDI), the Ministry of Food Production, the Ministry of Trade Industry Investment and Communication, the Cocoa Research Centre, certain food processing industries, and the Food and Agriculture Organisation (FAO) project is ongoing.

In the Petroleum Studies Unit, the major areas of research are on pressure-volume-temperature, phase behaviour, reservoir characterisation, heavy oil recovery and oil recovery from Trinidad Tar sands, enhanced oil recovery, carbon dioxide capture and transmission for enhanced oil recovery and sequestration, artificial lift methods, waterflood-microbial enhanced oil recovery combo, gas hydrates, rock mechanical properties, sedimentology, seismic and subsurface risk analysis, paleontology, micropaleontology, foraminifera, miocene clays, rock fractures and deformation. There are eight MPhil and nine PhD research students. The In-House Lecture Series initiated and conducted by Dr Lorraine Sobers continued during the review period.

Department of Electrical and Computer Engineering:

The Department continued to publish scholarly research in international refereed journals and to deliver presentations at national, regional and international seminars and conferences. As in the past, a number of student papers were accepted and presented at international conferences. Research was conducted in image processing, biomedical engineering applications, mobile applications for small scale fisheries, multi-processor systems, linear circuit applications, control systems, communication systems, energy efficiency and renewable energy. The **Sport Engineering Group** (SportENG) led by **Dr Akash Pooransingh**, continued to leverage its core competencies in signal processing, biotechnology, ICT and analytics to meet the needs of elite athletes within the regional context.

Department of Mechanical and Manufacturing

Engineering: The Department continued to publish scholarly research, resulting in over 20 papers in international refereed journals. Research continued in several areas including studies in lean manufacturing, cold rolling, process modelling, local soil characteristics and quality management.

Department of Civil and Environmental Engineering:

Work continued on a full scale wall element of a new sustainable multi-hazard resistant housing system. It is based on a new housing design, which won the National Institute of Higher Education Research Science and Technology (NIHERST) Prime Minister's Award for Innovation and Invention in 2014. The housing design is intended for Caribbean applications, via the Caribbean Disaster and Emergency Management Agency. The Department is coordinating a project on erosion and flooding hazards on the vulnerable east coast of Trinidad. The Ministry of Works and Transport (MOWT) signed an agreement with The University to facilitate the transfer of coastal data between the two entities. A patent application was filed for mortar used to bond masonry joints containing slurry from crushed polystyrene beads.

Department of Geomatics Engineering and Land

Management: Research was focused on geomatics, geoinformatics, urban planning issues, disaster management and mitigation, global climate change and sea level rise, especially on small island development states; land degradation, deforestation, land tenure systems, land management issues, marine and coastal zone management; and other related fields. There were ongoing partnerships with several national, regional and international agencies and institutions including Utrecht University and UN Habitat. There was also the Caribbean Platform of Territorial Information for Disaster Prevention (PITCA) project involving the National Institute of Statistics and Geography of the United Mexican States (INEGI), the Caribbean Disaster and

Emergency Management Agency (CDEMA), The University of the West Indies St. Augustine Campus, the University of Guyana, and the Caribbean Chapter of the Urban and Regional Information Systems Association (URISA).

Financial

Funding secured by the Petroleum Studies Unit (PSU)

Through an agreement signed with the Ministry of Energy and Energy Affairs, the Unit received TT\$5 million towards research and development, laboratory equipment and training. Other approved projects secured funding to the amount of TT\$6 million and both BHP and SHELL each sponsored scholarships to MPhil and PhD students to the tune of TT\$245,000 per year for three years and US\$30,000 per year for three years respectively.

Funding secured by the Food Science and Technology Unit (FSTU)

The joint FAO project with the Department of Food Production, *Integrated Development of Value added Cassava Products in the Caribbean*, secured funding to the sum of US\$149,138.

Funded research in Geomatics Engineering

The UWI Lead Edulink Programme ACP/EU funded project received €575,000, and the EU funded CNULM/TTLGA project for the Commonwealth Local Government Forum received the sum of US\$100,000.

Outreach

Department of Electrical and Computer Engineering:

The Department established new collaborations within The University. The DECE is working with the Department of Civil and Environmental Engineering on the development of low cost communication links to floating offshore instrumentation. The Department continued to collaborate with Huawei as it works towards becoming a Huawei Authorised Learning Partner (HALP) and Huawei Authorised Information and Network Academy (HAINA).

FACULTY OF ENGINEERING

Other partnerships remained in force with several regional and international institutions such as the Caribbean Telecommunications Union, the Latin American and Caribbean Collaborative Research Initiative, IBM, MIT's NextLab, the Institute of Electrical and Electronic Engineers (IEEE), Trinity College Dublin, the University of Calgary and Nvidia Corporation. They also began new collaborations with Teleios, Huawei Technologies (T&T) Limited, Global Teleconsult and COMSOL. All of these collaborations were established with the aim of having joint research programmes, leading to journal publications, student exchanges and curriculum development.

Department of Mechanical and Manufacturing

Engineering: The Department's outreach programme is carried out through the Mechanical and Manufacturing Engineering Enterprise Research Centre (MMERC) – a unit within the Engineering Institute. The MMERC is a hub for industry-academia collaboration within the Department, and wider Faculty. It serves as a nexus for collaborative applied projects between the Department and industrial, business, and public partners in the regional. Concurrently, it bolsters regional innovation efforts by encouraging the commercialisation of innovative products and technologies and engaging regional industry leaders in activities to advance the innovation discussion. Some of the companies working with the Department through the MMERC include, Petrotrin, Advanced Foam Ltd., Massy-CAT (Formerly known as Tracmac Engineering Ltd.), CARILEC, Methanex, and InvesTT. MMERC also works with local industries to devise industrial projects for final year undergraduate students. Some achievements of the MMERC include the completion of the InvesTT Manufacturing Sector Project Profiles Project worth TT\$750,000, a joint project with Seaforce Energy, a project involving methanol/biofuel and the development of the local cocoa/chocolate industry.

Department of Geomatics Engineering and Land

Management: The Department continues to consult with stakeholders to provide the most current and relevant academic programmes and specialised training packages to the industry we serve. An important result of these deliberations with industry professionals is the creation of professional attachments that not only benefit students but professionals as well.

Department of Civil and Environmental Engineering:

The Department engaged in consultancies in the areas of traffic and transportation planning through an Inter-American Development Bank (IADB) sponsored project in Barbados; the characterisation of particle produced by the shredding processes employed by SWMCOL; and a seismic structural assessment of the National Development Centre for Persons with Disabilities.

Revenue Generating/Cost Containment Activities

The Engineering Institute generated income by renting lab space for instruction and practical sessions in Turning and Milling (TT\$68,515); by developing project profiles for the Manufacturing Sector (TT\$774,573), organising the Faculty's prize awards (TT\$203,800), and by hosting regional water partnerships (TT\$50,778).

Projected Activities for 2017/2018

ACCESS

Faculty

In the area of access, the Faculty intends to continue a programme of physical enhancement and laboratory upgrade, as well as the upgrading of the pool.

Department of Chemical Engineering

The Department will review a number of areas, namely the accreditation bodies for the various programmes in the Department, the funding arrangements for the Petroleum Geoscience programme, and the programme to enable optional courses within the department.

Department of Electrical and Computer Engineering

The Department has a number of plans for the new academic year. These include making course material more easily available to eligible recipients outside of Trinidad and Tobago, as well as activities to increase postgraduate enrolment. Laboratory spaces in Block 12 are due to be renovated, refurbished and expanded and a new floor is to be built on Block 12 to accommodate laboratories, research areas and computer classes.

Accreditation

Both the Department of Mechanical and Manufacturing Engineering, and the Department of Civil and Environmental Engineering intend to continue the accreditation exercise.

ALIGNMENT

The Faculty intends to establish research and innovation centres in each department and to expand the Engineering Institute. The Department of Electrical and Computer Engineering intends to continue to seek new academic/ industry research partnerships.

AGILITY

The Faculty plans to computerise its purchasing process and is exploring the possibility of online course delivery. The Department of Electrical and Computer Engineering is to complete the development of a fully self-financed BSc Computer and Software programme and increase the availability of course material to eligible paying recipients outside of Trinidad and Tobago.

Distinguished Visitors

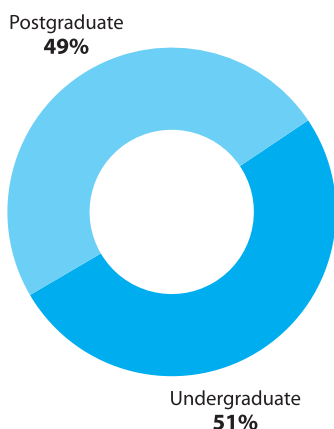
Professor Sreekala Bajwa
North Dakota University

Professor Lorna Uden
Staffordshire University

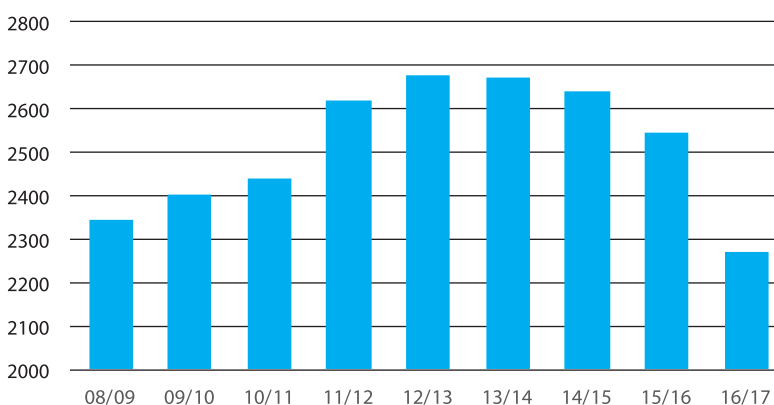
Professor Colin Webb
University of Manchester

Representatives of the Energy Institute of London

Graduation Undergraduate vs Postgraduate 2016 / 2017



Trend In Enrolment 2008 – 2017





Dr Wayne Ganpat
Faculty Dean

Executive Summary

The 2016/2017 reporting year was a very productive period for the Faculty of Food and Agriculture (FFA). Among the significant achievements were the signing of several Memoranda of Understanding between the University (through the FFA) and various organisations, such as regional Tertiary Level Institutions (TLIs), the Caribbean Council of Higher Education in Agriculture (CACHE) and the Bahamas Agriculture and Marine Science Institute (BAMSI). The Faculty developed three undergraduate Certificate programmes and one postgraduate MSc to be offered in 2017/2018. Staff successfully planned and executed a three-day Agricultural Exposition: TechAGRI Expo 2017, which attracted approximately 8,000 attendees, including 2,500 school children, and featured 100 booths with products from 'agripreneurs'. The Faculty held its annual training 10-day workshop for regional Plant Quarantine Officers. It also hosted a four-week agricultural Summer Camp: ADOPT-TechAgri2017. The well subscribed event for children between the ages of 7-19 years old, took place from July 10-August 4, 2017. This is the second camp of its kind and is intended to interest children in agriculture from a young age. It is hoped that this camp will pique their interest in agriculture and its attendant technologies which will inspire them to matriculate into the FFA later on. During the reporting period, five courses were conducted over an eight-week period and attracted wide public participation.

The University Farms

The University Field Station (UFS) continued to increase production of meat and milk in 2016/2017. However, large expenditures such as security fees and salaries consumed a significant portion of its earnings. The total expenditure for security at the UFS during the financial year 2016/2017 was TT\$824,879.

Impactful First Time Initiatives TechAGRI Expo

The TechAGRI Expo 2017 saw over 2,500 school students of all ages from schools across Trinidad and Tobago, in addition to the over 8,000 in attendance. Many FFA students, and almost the entire FFA staff contingent were excited to work over the three days of the Expo and made all who visited feel welcome. The seminars and workshops held during the event also inspired the creation of several short courses, some of which visitors requested and signed up for at the Expo.

Professional Development Short Courses Resume

The FFA's Business Development Unit (BDU) facilitated training courses that were open to the general public. The five courses run between June and July 2017 were in Hydroponics; Arboriculture: Essentials of Large Tree Management; Basic Home Food Production; Basics for Agripreneurs; and Aquaponics.

The courses attracted approximately 60 participants and accumulated a reasonable profit. The FFA-BDU will be offering more courses in 2017/2018 which will include areas such as Pest Control Operator Training; Computer Basics for Agriculturalists; The Handling and Marketing of Agricultural Chemicals; Master Home Food Producers; Composting Essentials; Landscape Management for Entrepreneurs; and Plant Nutrition and Fertility Management.

Enrolment

Official Campus statistics show that student numbers in the FFA for the reporting period 2016/2017 were 836 undergraduates and 223 postgraduates. While postgraduate numbers did not change, there was a slip in undergraduate enrolment which caused a 6% reduction in general enrolment at the Faculty.

There was a significant increase (34% overall) in the number of students enrolled in the **Department of Agricultural Economics and Extension** (DAEE) in Agribusiness Management, Agribusiness Majors/Minors and Human Ecology degrees.

At the **Department of Food Production** (DFP) enrolment for the revised BSc Agriculture (Special) and the Major in Agricultural Technology held steady. However, the Major in Tropical Landscaping experienced a significant decline in enrolment and there are plans to revamp and relaunch this major in the near future.

In the 2016/2017 academic year, there were 404 students registered across the seven Semester 1 courses administered by the **Department of Geography**, with an average class size of 60 students and a minimum of 20 students in any of the undergraduate classes. The Department has 12 postgraduate research students (eight MPhil and four PhD).

Graduation

In the 2016/2017 academic year, 209 undergraduate students and 42 postgraduate students completed their degrees in the FFA.

FACULTY OF FOOD AND AGRICULTURE

Scholarships

Riyadh Mohammed: MPhil Livestock Science

DeShorn Bramble: MPhil Soil Science

Jaye Thompson: MPhil Tropical Earth and
Environmental Science

Shantelle Henry: PhD Food Safety and Quality Assurance

Top Postgraduate Student

This year **Melissa Atwell** went to Germany for a three-month research stay from June-August 2017. As a 2016 Green Talent awardee, she was invited by the German Government to conduct a three-month research stay to foster scientific careers on a global platform. Germany, being a leader in green technologies and sustainable development research, provided an excellent environment for networking and the exchanging of ideas with well-known scientists who have similar interests.

Ms Atwell's research visit took her to Landau, Germany at the University of Koblenz-Landau, where she had the opportunity—under the supervision of **Dr Mark Wuddivira**— to work with Professor Hermann Jungkunst focusing on the soils of the Aripo savannah. Professor Jungkunst provided great knowledge, direction and ample access to relevant resources and equipment for soil analysis. Due to the general excitement and great interest in building knowledge, a collaboration was formed with Professor Hermann Ludger of the University of Hohenheim, Stuttgart where further analysis of Aripo soils took place. To date, the German aspect of her research is still ongoing. The new knowledge acquired from the financial support of the Green Talents programme, will be implemented in Trinidad and Tobago to boost the country's scientific capacity in sustainability science, forming a collaborative research effort between the two countries of Germany and Trinidad Tobago.

Outstanding Student Awards

Undergraduate

Department of Agricultural Economics and Extension

Rayhanah Ali: The Dean's Prize for the best performance in the Diploma in Institutional and Community Dietetics and Nutrition.

Darren Bledman: The Joe Pires Memorial Prize (Donated by Caribbean Chemicals and Agencies Ltd) for the best performance in Agricultural Extension over Years 2 and 3.

Tessa Hampton: Dr Sunney D. Alexis and Collette Lewis-James' Memorial Prize (Donated by Trinidad and Tobago Association of Nutritionists and Dietitians) for the best performance in Human Nutrition and Dietetics Year 3.

Seeram Maharaj: IICA Prize (Donated by IICA) for the best final year project demonstrating excellence in Agribusiness Management Year 3.

Jeannee Ramos: Massy Distribution Prize for the best performance in Marketing, IICA Prize for the best final year project demonstrating excellence in Agribusiness Management, and the Dr Lloyd Rankine Memorial Prize for the best performance in BSc Agribusiness Management Year 3.

Andrea Edwards: The Alumni Association Prize for the best performance in BSc Human Ecology Year 3.

Megan Martin: The Agribusiness Community Service Prize for outstanding service to the Agribusiness Community (Donated by General Earth Movers).

Department of Food Production

Lekisha Ernest: The Professor Richard A.I. Brathwaite Prize (best performance in the BSc General Agriculture Year 3); The Principal's Prize (best performance in BSc Agriculture Special over Years 1 to 3); The Norman Girvan Award for Excellence (academically excellent student with the best final year undergraduate project in the Department of Food Production); The Professor Lawrence Wilson Prize (best undergraduate final year project in Post Production Technology); The T.P. Lecky Award Challenge Trophy (best performance in all the degrees in School of Agriculture over Years 1 to 3).

Hernicia Boland: The Agricultural Development Bank (ADB) Prize (best livestock project); The Norman Girvan Award for Excellence (academically excellent student with the best final year undergraduate project in the Department of Food Production).

Amanda Lee Ying: The Garden Club of Trinidad and Tobago Prize (best practical paper on horticulture-related topics).

Neil Yarde: The Professor Gary Wayne Garcia Livestock Prize (best graduating student in Livestock Science).

Kerenia Mc Intosh: TECU Credit Union Prize (best Tropical Landscaping Major Year 1).

Ashley Hines: The Currie Memorial Prize (excelling in extracurricular activities, subject to satisfactory academic performance).

Department of Geography

Kaaria Quash: Best graduating geography student (Geography/ENRM and Communication Studies).

Jenice Culzac: Best final year student (Geography/ENRM).

Head of Department Prize**Michael Sylvester**

Best performance in Agribusiness Management Year 1.

Alicia Ferdinand

Best performance in Human Ecology Year 1.

Mizaaj Mohammed

Best performance in Human Nutrition and Dietetics Year 1.

Kathryn Phillip

Best performance in Human Ecology Year 2.

Eden Augustus

Best performance in Human Nutrition and Dietetics Year 2.

Kezia Phillip

The Head of Department Prize (Evening University) and the Human Nutrition and Dietetics Prize for the best final year project.

Department of Food Production**Grafton Dick**

Best performance in the undergraduate Diploma in Agriculture Year 1.

Patria Safe

Best performance in the undergraduate Diploma in Agriculture Year 2.

Venercia Herelle

Best performance in BSc Agriculture Year 1.

Monya Nelson

Best performance in Agricultural Technology Major Year 1.

Kerenia Mc Intosh

Best performance in Tropical Landscaping Year 1.

FACULTY OF FOOD AND AGRICULTURE

Chavan Lyttle

Best performance in BSc Agriculture Year 2.

Gabrielle Mollineau

Best performance in Agricultural Technology Major Year 2.

Johan Springer:

Best performance in Tropical Landscaping Year 2.

Andre Thomas:

Best performance in Agricultural Technology Major Year 3.

Amanda Lee Ying

Best performance in Tropical Landscaping Year 3.

Department of Geography

Jenna Leigh Metivier

Best performance in Geography and Environmental and Natural Resource Management Year 1.

Kerri Griffith

Best performance in Geography Year 2.

Kaaria Quash

Best performance in Geography Year 3.

Beena Jankie

Best performance in Environmental and Natural Resource Management Year 2.

Brendon Taylor

Best performance in Environmental and Natural Resource Management Year 3.

Postgraduate

Department of Food Production

Julia Ribeiro: The Ministry of Agriculture, Land and Fisheries Prize (best performance in the mandatory research project of the MSc Agriculture-Food Safety and Quality Assurance); The Ministry of Agriculture, Land and Fisheries Prize (best performance in the core courses of the Diploma/ MSc Agriculture-Food Safety and Quality Assurance).

Herzen Graham

The Muriel Turnbull Prize (best oral presentation in the MSc Agriculture-Food Safety and Quality Assurance Research Project).

Cherrienne Johny

The Professor Richard A.I. Brathwaite Prize (best performance in the Research Project of the MSc Tropical Crop Protection).

Department of Geography

Haley Anderson, MPhil (Drs Stone and Wilson).

Teaching and Learning New Programmes

The FFA developed three new undergraduate Certificate programmes: the **Certificate in Environmental Geography**, from the Department of Geography, which has all approvals from the University, the Accreditation Council of Trinidad and Tobago (ACTT) and is now awaiting GATE approval; the **Certificate in Human Ecology** from the Department of Agricultural Economics and Extension was approved by the Academic Quality Assurance Committee (AQAC) for submission to the next Board for Undergraduate Studies (BUS) meeting; and the **Certificate in Agriculture** from the Department of Food Production which was approved by AQAC for submission to the next Board for Undergraduate Studies meeting. These programmes will enable secondary school students to matriculate into the various BSc programmes offered in the FFA, and will be offered for the 2018/2019 academic year.

The **BSc General with a Major in Entrepreneurship** is still awaiting GATE approval. The **MSc in Tropical Crop Protection** will now be offered in alternate years from 2016/2017. The **MSc in Value Addition** was completed and approved by the Board for Graduate Studies and Research and will be offered in the 2018/2019 academic year. This Master's looks at principles that are relevant to raw material quality and quality maintenance, value addition and product development. It also has a strong focus on entrepreneurship, agribusiness management, food product marketing, food storage and issues relevant to food and nutrition security. It is to replace the **MSc in Tropical Commodity Utilisation**.

Significant Training Initiatives

Academic staff were encouraged (if they had not already done so) to sign up for CUTL (Postgraduate Certificate in University Teaching and Learning). ATS (Administrative, Technical and Service) staff were encouraged to suggest the type of courses they would benefit from and register for courses offered by The University. A number of staff took advantage of various training initiatives put on by Human Resources during the year.

Internal Operational Processes

During the year, the Dean communicated with Heads of Departments the need for their departments to comply with, and report on, The UWI's policies regarding Departmental Examinations Meetings, Staff/ Student Liaison Committee Meetings, Curriculum Committee Meetings, OSHE Committee Meetings, Assessment and Promotions, among others. A brief Heads of Department report was included on the agenda of each Faculty Board meeting to provide updates on each department.

Governance Arrangements and Management Structures

Faculty committees met regularly. These included the Tropical Agriculture Journal Management Committee, the OSHE Committee, the Curriculum Review Committee, the Examinations Committee, the Academic Advising Committee, and the Assessment and Promotions Committee.

Research and Innovation

The Faculty continued its extensive research during the 2016/2017 academic year.

Department of Agricultural Economics and Extension

FAO Project: Holistic Diagnosis of the School Feeding Programme

Lead Researcher: Dr Patterson-Andrews

This project hopes to contribute to all of the five strategic objectives of FAO, with a particular focus on contributing to the eradication of hunger, food insecurity and malnutrition; reducing rural poverty; and enabling inclusive and efficient agricultural and food systems.

RDI Fund Project: Development of an Early Warning System for Crop Management Using Drone Technology: Case of Trinidad and Tobago

Lead Researcher: Dr Govind Seepersad

Take 10! Programme: International Life Sciences Institute (ILSI)

Lead Researcher: Dr Anisa Ramcharitar-Bourne

This project intends to encourage increased physical activity and healthy dietary habits in children.

FACULTY OF FOOD AND AGRICULTURE

Department of Geography

Dr Levi Gahman completed a number of projects during the 2016/2017 academic year. These include the CRPF (Campus Research and Publication Fund) (TT\$51,840): *Food Sovereignty, Gender Equity, and Mutual Aid: Practicing Alternative Development from Below*; and the Federation of Postsecondary Educators – International Solidarity Grant (TT\$47,000): *Radical Action with Migrants in Agriculture* (with colleagues from Canada). Dr Gahman is continuing work on the Antipode Foundation funded (TT\$100,000) project, *Indigenous Geographies and Caribbean Feminisms: Common Struggles Against Global Capitalism*.

Dr Kegan Farrick: The CRPF *Hydrological impacts of pine forest plantations and native forest exclusion along steep slopes in Trinidad* (TT\$48,000).

Grants and Awards Department of Food Production

Mr Cicero Lalo: *Studies on Mule Ducks* (TT\$19,800).

Dr M. Wuddivira: *Watershed Management* (TT\$37,500) and (TT\$51,150); *Land Use Changes* (TT\$54,824).

Dr G. Eudoxie: *Development of Neem Compost* (TT\$23,250).

Graduate Studies Research Grants

Professor N. Badrie; Susan Turnbull-Fortune (student): *Weaning Food* (TT\$13,833.93).

Dr G. Eudoxie and Dr L. Wickham; Gabrielle de Souza (student): *Cassava* (TT\$17,500).

Dr W. Isaac and Dr G. Eudoxie; Enara Enara (student): *Sweet Potato* (TT\$35,000).

Outreach Workshops

Several outreach initiatives were pursued in the FFA for the reporting period. Some of these included a workshop on *Conservation Agriculture for Climate Change Adaptation in the Caribbean*. This workshop was hosted by the Department of Food Production on April 6, 2017. Over 60 participants from various organisations including farmers, extension officers and representatives from the Ministry of Agriculture, the Caribbean Agricultural Research and Development Institute (CARDI), Eastern Caribbean Institute of Agriculture and Forestry (ECIAF), the Cropper Foundation, The UWI and the general public were in attendance. Senator Avinash Singh, Parliamentary Secretary in the Ministry of Agriculture was the feature speaker at this event. During the **TechAGRI Expo 2017** several workshops were held on vermiculture, composting, and hydroponics, among others.

Tours

The Faculty hosted 535 students from almost 30 pre-schools, primary schools, secondary schools and other groups and organisations at the University Field Station (UFS) to view or tour meteorological equipment, farm machinery, livestock and crop operations.

Camps and School Fairs

The four-week Summer Camp, **ADOPT Programme** for children ages 7-19, was held from July 10-August 4, 2017 at the Faculty of Food and Agriculture. The FFA participated in several school fairs and exhibitions across the country, all geared to promoting the work of the FFA in teaching and research for food and nutrition security.

Geography Awareness Week

Celebrations for Geography Awareness Week took place from November 14-18, 2016. The Faculty hosted 170 secondary school students from forms 5 and 6 across the country.

Revenue Generating/Cost Containment Activities

Short Courses

In order to generate funds, the FFA increased the number of short courses it offered to the general public. Approximately 18 courses were conceptualised. The courses taught to 60 participants included Hydroponics: Construction, Operation and Management; Arboriculture – Essentials of Large Tree Management; Basic Home Food Production; Aquaponics: Food Production for the Future; and Basics for Agripreneurs.

Training of Local and Regional Plant Quarantine Officers

The FFA hosted the sixth edition of the Regional Plant Quarantine Training course from August 1-12, 2016, with a comprehensive curriculum delivered over 10 days, and addressed all relevant areas of plant protection and quarantine. This year, the funding agencies were The UWI, the United States Department of Agriculture, Animal and Plant Health Inspection Service (USDA APHIS) – Greater Caribbean Safeguarding Initiative (GSCI), the Inter-American Institute for Cooperation on Agriculture (IICA), and the Organisation of Eastern Caribbean States (OECS). This year's training welcomed 22 participants from Anguilla, Antigua, Belize, Cayman Islands, Bahamas, Barbados, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, Nevis, St. Kitts, St. Lucia, St. Vincent, and Trinidad and Tobago.

TechAGRI Expo 2017

The 8,000 persons who patronised the TechAGRI Expo paid a small entrance fee to experience the three-day Agricultural Expo which featured 100 booths stocked with products from local agripreneurs.

Tropical Agriculture Journal Online Launch

The *Tropical Agriculture Journal* (TA) was established to publish the results of original research on aspects of agriculture that would lead to greater productivity and sustainability in tropical regions. Since its inception in 1924, 94 volumes of the Journal have been published, all in printed format. In 2016/2017, a collaborative effort with the Alma Jordan Library resulted in the development of an online system, and a web-based manuscript submission and peer-review system for TA. The launch of *TA Online* took place on October 19, 2016. In addition, individual articles and issues can now be purchased online via credit card. *Tropical Agriculture* made the decision to accept publications of monographs and collections of papers on a given scientific theme as special issues of the Journal. Papers assigned to special issues must be of indisputable academic merit, pertinent to tropical agriculture and make a distinct contribution to the body of information available on a given topic or area of scientific interest or investigation. In 2016, Special Issue 1 on the International Breadfruit Conference was published and is now available on TA's website for purchase.

UWI FFA - CAU Collaboration

In its continuing bid to build capacity through partnership with China Agricultural University (CAU), the FFA hosted CAU President, **Professor KE Bingsheng** in October 2016. Updates on the progress and future plans for the Agricultural Innovation Park (AIP) were discussed. President KE indicated that two new greenhouses and new seeds have already been shipped and would arrive in Trinidad in early 2017. Alternative plans suggested for the future of the AIP would revolve around 50 acres for The UWI for research and teaching, and 150 acres to be engaged with private entities.

FACULTY OF FOOD AND AGRICULTURE

The CAU agreed to hasten the review process to enable successful scholarship applicants from the FFA to start their Master's in the 2016/2017 academic year. A team of FFA staff were to visit the CAU in mid-2017 to examine agricultural technologies.

The Dean met with Executive Director of CARDI in November 2016 to discuss opportunities for CARDI staff to pursue higher degrees, the use of CARDI for FFA research and hosting regular meetings to co-ordinate activities.

Projected Activities for 2017/2018

Plans for the 2017/2018 academic year are all in alignment with the goals of the University's new strategic plan.

ACCESS

In this area, the Faculty plans to obtain approval for all new programmes and aggressively advertise; offer more departmental courses in the third semester; offer more professional development training courses in a wide range of areas in the 'Summer' period through the FFA Business Development Unit, as well as more programmes through blended learning; and host another edition of TechAGRI Expo, and a Human Ecology Day.

ALIGNMENT

The Faculty plans to host a one-day symposium on food and nutrition security (preferably in collaboration with the Ministry of Agriculture, Land and Fisheries); perform a curriculum review of all programmes to align with industry stakeholders and restructure the Agricultural Innovation Park (AIP) to include investors from the local or international private sector.

AGILITY

The FFA plans to host international conferences on climate change and the impact on food and nutrition security; make The UWI farms more viable by changing some of the processes under which they operate; and collaborate with local and regional groups, and businesses through the FFA Business Development Unit.

Exciting Upcoming Initiatives

TechAGRI Expo 2018

The overwhelming success of the TechAGRI Expo 2017, and the many requests to make it an annual event, has spurred the FFA on. Carded for March 22-25, 2018, this is an exciting initiative for the Faculty for several reasons. It allows the FFA to reach out directly to schools whose students, through this initiative, will be given even more access to FFA's innovative and exciting programmes. The FFA gets the opportunity to network and align its goals with stakeholder needs, and to interact with the general public who are able to articulate personally what they need from the Faculty during the Expo. FFA students get a chance to work at the Expo, interact and network with entrepreneurs in the industry and earn coursework marks.

Food and Nutrition Security Symposium

A one-day symposium on food and nutrition security is being planned for the first quarter of 2018. It is the intention of the FFA to engage the Ministry of Agriculture, Land and Fisheries (MALF) in this symposium, as well as all other agricultural stakeholders. The FFA intends to play a lead role in assisting the MALF to develop policies and plans for national and regional food and nutrition security and alleviating the attendant concerns.

International Conference: "Climate Change Impacts on Food and Nutrition Security"

This is carded for November 2018 and will feature international participants. The intention is to attract new stakeholders, collaborations, and possibly garner international graduate students into the FFA.

Distinguished Visitors

Dean's Office

Professor KE Bingsheng
President
China Agricultural University

Department of Geography

Professor Hermann Jungkunst
Koblenz-Landau University
Germany

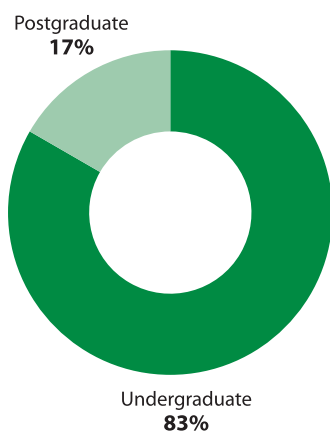
Dr Julia Kotzebue

Assistant Professor
University of Hamburg, Germany

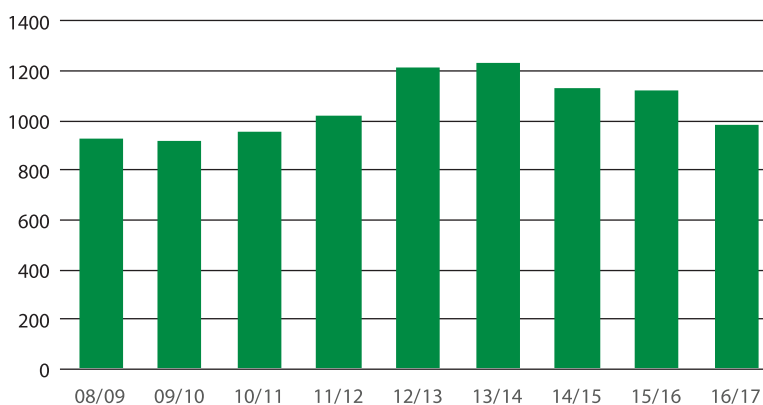
Sebastian Legrum

Graduate student
Koblenz-Landau University
Germany

**Graduation
Undergraduate vs Postgraduate
2016 / 2017**



**Trend In Enrolment
2008 – 2017**



FACULTY OF HUMANITIES AND EDUCATION



Dr Heather Cateau
Faculty Dean

The academic year 2016/2017 was a very active and demanding one for the Faculty of Humanities and Education (FHE). We participated in the preparation for the UWI's new strategic plan and embraced projections on the need to focus on areas of access, alignment and agility. Accompanying plans for innovation and income earning, though challenging, were also welcomed by the Faculty. These three areas guided our focus for the 2016/2017 academic year.

This year we sought to transform our traditional offerings and further develop non-traditional dimensions of the disciplines subsumed under the Schools of Humanities and Education. This process was compounded by challenges due to budgetary cuts and the freezing of staff positions. Nevertheless, the changed economic context also reinforced the imperative that change was needed.

These new challenges allowed us to focus on four major areas:

- Activities with **income earning potential** such as translation services, providing conversational language learning, the Teaching of English as a Foreign Language, serving as a language examination site, providing continuing professional development and offering consultancy services.
- Satisfying **demands** from students and external stakeholders by developing courses in Journalism, Heritage Studies, Cultural Studies, and specialised areas in Education.
- Areas which are connected to national **economic, social and development needs**. Plans were developed for a Psychoeducational Diagnostic and Intervention Centre, workshops were held for secondary school teachers, outreach to schools, creating closer linkage with the Public and Private sectors and creating closer links with our communities.

- Areas where we think we have a social responsibility, as we seek to extend **access to underserved communities**. These caused us to focus on areas such as Deaf sign language, speech language pathology, outreach to schools and communities.

We also sought to deepen our collaboration with Universities in the US and Europe in our effort to expand programme offerings, share expertise through joint projects and exchange ideas through interaction between our staff and students. Some of these institutions are Oulu University of Applied Sciences (Finland), Trinity College (USA), University of St Andrews (UK), University of Bordeaux III (France) and Universidade do Porto (Portugal). The FHE also focused on creating new courses in the areas of Journalism, Heritage Studies, Cultural Studies, and specialised niche areas in Education.

Staff output in 2016/2017 included six books, 35 chapters in books, 49 refereed articles, 50 presentations of papers at conferences. The staff also produced one book translation, three chapters in books (translation), four book reviews, three non-refereed articles eight productions in the areas of music, theatre and visual arts. Additional to this, staff also produces one blog, three poems and three creative short fiction works.

Graduation Undergraduate

The Faculty awarded 93 undergraduate diplomas and certificates during the 2016/2017 period, compared with 98 in 2015/2016. Additionally, the FHE awarded 319 undergraduate degrees, compared with 288 in 2015/2016. Of the 319 undergraduate degrees awarded in 2016/2017, 60 were First Class Honours degrees, compared with 52 First Class Honours degrees in 2015/2016.

Postgraduate

The Faculty awarded just under 200 postgraduate diplomas, of which 95% were postgraduate diplomas in Education. Over 100 Master degrees were awarded along with eight MPhil degrees and 12 doctorates. The 12 doctoral degrees were awarded to **Charisa-Marie Francois, Anthea Octave, and Nadia Whiteman** (Cultural Studies); **Joan Bobb-Ward, Mabrak Nkrumah, Renwick Paul, Lemoy Petit-Hunte, and Daisy Rampersad** (Education); **Karen Harrison Mah-Chamberlain, Nivedita Misra, and Karen Sanderson-Cole** (Literatures in English) and **Diego Mideros Camargo** (Linguistics).

Student Achievements

The Faculty's top student was **Laurisa LUGO**, who graduated with a Bachelor of Arts degree, double major in Spanish and Linguistics. Ms Lugo obtained a 4.11 Grade Point Average.

Noteworthy Achievements by Students:

Film Student **Amir Ali** won the award for Best T&T Documentary Short, and the United Nations T&T Award for Emerging Documentary Filmmaker, at the Trinidad and Tobago Film Festival 2016 for his film *Who I say I Am*. Mr Ali also received a full scholarship from the Cuomo Foundation to pursue a three-year Master's programme in Documentary Direction at the Escuela Internacional de Cine y Televisión, San Antonio de los Baños, Cuba.

Finance Income Earning

In this area the Faculty concentrated on services that were linked to areas of specialisation in the Humanities and Education disciplines such as translation services, conversational language learning, Teaching of English as a Foreign Language, language examination sites, continuing professional development and consultancies.

FACULTY OF HUMANITIES AND EDUCATION

The **School of Education** successfully tendered for an EU consultancy to “Increase the Capacity of TVET Management and Instructors in the Banana Belt to Deliver Quality Training to Students in Belize”. The contract was won for 160 hours at €300. When the programme is approved for the Dip. Ed. Technical and Vocational Education and Training (TVET) the School is likely receive a total of €120,000. The School also obtained contributions from the Massy Foundation in the amount of TT\$70,000 to publish a social services handbook titled *Everybody's Guide to Social Services in Trinidad and Tobago*.

The **Film Programme** continued to generate income by renting equipment and providing film production services to the Campus and general public, and the Caribbean Interpreting and Translation Bureau in the **Department of Modern Languages and Linguistics** continued to generate significant income by offering interpreting and translation services.

In its fifth year of operations the **IELTS Centre** continued to meet and exceed its financial targets and break new ground with the rollout of the new UKVI (UK Visa and Immigration) IELTS. The CLL's profile as a language testing centre in English and Spanish was enhanced with the administration once again of the Instituto Cervantes' standardised DELE examinations which test Spanish language proficiency. The English as a Foreign Language programme also continued to generate substantial income.

Staff Engagement and Development

The Head of the **Department of Creative and Festival Arts (DCFA)**, **Jessel Murray**, received The University of the West Indies Vice-Chancellor's Award for Excellence (for University and Public Service). The Faculty drafted an Assessment and Promotion rubric, which was accepted by Faculty Board and is currently being considered through the Campus approval process.

A training workshop in Deaf Sign Language was attended by the Administrative Staff of the **Department of Modern Languages and Linguistics** to help them better serve the students who participate in the Caribbean Sign Language Interpreting programme. In the **School of Education** and the **Office of the Dean**, there was reassignment of some ATS staff members for better alignment of skills, knowledge and disposition.

All categories of staff from all units in the Faculty accessed training sessions organised by the Human Resources Department and by the Centre for Excellence in Teaching and Learning (CETL). To promote personal and holistic development, staff were encouraged to take part in sessions on stress management, protocol, deportment and career and succession planning, public speaking, business writing, time management and minute writing, all offered by the Human Resource Department.

Internal Operational Processes

The **Dean's Office** designed and created an interactive information board to assist with academic advising and general information. The interactive information board is called the *FHE BlueBoard* and was built, mounted and put into operation in August 2016. The **Department of Creative and Festival Arts (DCFA)** moved to its new building on Cheesman Avenue in mid-2017. The new phase offers a technical theatre wing, two dance studios, one large lecture room, two seminar rooms, as well as an administration suite.

Quality Assurance Reviews were conducted on the Cultural Studies Section and the Communication Studies Section of the **Department of Literary, Cultural and Communication Studies**. Meanwhile, Professional Development workshops were mounted by the **School of Education** to enhance skills of teacher educators, and the School updated its staff manuals which were distributed to new academic staff along with their orientation information. Each new staff member was assigned to a mentor.

Teaching, Learning and Student Development

In 2016/2017 the FHE reviewed a number of current programmes and courses, and introduced new programmes and courses. The **Department of Literary, Cultural and Communication Studies** designed and got approval for a **BA in Journalism** and a **Minor in Cultural Studies**.

The **School of Education (SOE)** sought to improve its curriculum and pedagogy, both at the undergraduate and postgraduate levels this year. The BEd ECCE, and the pre-service Diploma in Education were both reviewed and the revised MA Leadership in TVET and Workforce Development was offered. The Curriculum Committee of the School of Education (SOECC) outlined a proposal for a model in Teacher Education which is to be discussed with the Ministry of Education (MOE). Preliminary planning for a Minor in Education took place following discussions with the MOE. A number of programmes were approved, including the Master's in Tertiary Education in Leadership and Institutional Effectiveness, and the MEd in Measurement, Evaluation and Assessment; while work began on developing a Diploma in Education in TVET. Postgraduate supervision was streamlined based on discussions held with staff and the Values Education courses emphasising training the trainer are in the final stages of approval.

At the **Department of Creative and Festival Arts (DCFA)**, a Review Committee was established to look at the Carnival Studies programme and courses. Items considered included the name of the programme, marketing of courses and intake. Other courses were also reviewed in the context of the philosophical grounding of the Carnival Arts programme, entrepreneurial elements, mas' history and development and creating stronger links with other DCFA units such as Visual Arts.

In the **Department of Modern Languages and Linguistics** a new programme in Portuguese and Brazilian Studies was drafted and is being reviewed by various stakeholders; a co-curricular course in Foreign Language Theatre in Performance was developed and approved, as were two new graduate courses in Spanish.

Enhancing the student experience and development

A robust approach to Academic Advising and the training of advisors continued in 2016/2017 under the guidance of the Office of the Dean. A Faculty Academic Advising Committee had been established in 2014/2015 and continued to operate in this review year. It is chaired by the Deputy Dean Undergraduate Student Affairs. Undergraduate Staff/ Student Liaison Committees continued to be very active in the Department of Modern Languages and Linguistics programmes. The Faculty's Postgraduate Staff Student Liaison Committee also continued to meet in 2016/2017.

The **Film Programme** is collaborating with the Trinidad and Tobago Film Festival, and the Trinidad and Tobago Film Company to create internship training for Film students. At the **School of Education**, a Psychoeducational Diagnostic and Intervention Centre was established and e-clinics were introduced for postgraduate students. These provide feedback based on research seminar presentations and serve as a forum for discussion, in addition to individual supervision.

Research and Innovation

Research Collaborations (International Partners)

An international partnership between **OAMK Labs**, Oulu, Finland and The UWI gave rise to a project to promote innovation and entrepreneurship through curriculum development, workshops and the possibility of establishing an innovation lab.

The **Centre for Language Learning** had a landmark publication, *Using YouTube and WeChat to Promote Communicative and Intercultural Competence in Japanese and Mandarin*. This was the first ever on the Centre's East Asian languages and it appeared in an edited book entitled *Cases on Audio-Visual Media in Language Education*.

The Department of History *2016/2017 Nelson/Caledonia Islands Excavation*

In January-February 2017 the **Department of History** collaborated with the **University of Vienna** and the **National Trust of Trinidad and Tobago**, to embark upon the first phase of an exploratory excavation project at the Nelson and Caledonia islands. This project operates through an MOU signed between The UWI and the University of Vienna. A resident team of six individuals (including three UWI postgraduate students) conducted extensive research on the islands daily during the period January 29 to February 4, 2017. This initial phase of excavation yielded several artefacts and archaeological finds which have prompted and confirmed a second phase of the project carded for January-February 2018.

3D Museum Workshops

In January 2017, the **Department of History**, in collaboration with a **EU-LAC Museums Project** hosted 3D/Virtual Museums Workshops. Formerly titled "EU-LAC Museums and Community: Concepts, Experiences and Sustainability in Europe, Latin America and the Caribbean", this project aims to enable community and larger museums to preserve and express their heritage using 360 degree and 3D technologies to develop a virtual museum framework. Two sessions were held in Trinidad in January 2017 at the National Museum and Art Gallery of Trinidad and Tobago, and on January 13, 2017 at the Moruga Museum. Members of staff attended the session at the National Museum.

Research Collaborations (International and National Partners)

The following staff members engaged in collaborative research with international and national partners:

Department of Literary, Cultural and Communication Studies

Suzanne Burke joined the UWI team of the EU-LAC Focus Project, which investigates the cultural, scientific and social dimensions of co-operation between the European Union and the Caribbean. As part of this project, she has been developing a research workshop in collaboration with the **British Council** on the impact of British Council, Alliance Française, UNESCO, CARICOM, CDB and Commonwealth Fund on the Caribbean's cultural sector. The workshop is tentatively scheduled for May 2018.

Maarit Forde, was invited to join a research network entitled 'Understanding Local Entanglements of Global Inequalities'. The network met for the first time at Justus-Liebig-Universität in Gießen, Germany, on April 26-28, 2017, where she presented a paper and contributed to the development of the project. She is part of the organising committee for a subsequent meeting at The UWI St. Augustine Campus in April 2018.

Michael Jeffress, collaborated with Dr Michael Cottingham and Dr Don Lee of the **University of Houston** in Texas, USA, and Dr Mary Humms of the **University of Louisville** in Kentucky, USA on power chair football research. He also collaborated with Dr Mary Breaud, Dr Meagan Medley and Dr Dennis Guillot of **Nicholls State University** in Louisiana, USA, on research addressing a transition programme in higher education for students with disabilities.

School of Education

Sabeerah Abdul-Majied: “Teachers’ Interpretations and Interventions in Children’s Play Disputes: Comparing Teachers’ Voices in two nations,” collaborative research with Godryne Wintz of the **University of Guyana**.

Sharon Jaggernauth: Exploring Primary School Teachers’ Beliefs on the “Use of Children’s Literature in Mathematics, Teaching and Learning.” Research collaboration with A. Hunte (**University of Trinidad and Tobago**) and N.V. Trakulphadetrui (Institute of Education, **University of Reading**, UK).

Freddy James: A research, entrepreneurial and innovative collaboration between OAMK Labs, **University of Applied Sciences**, Oulu, Finland and The University of the West Indies, St. Augustine.

Madgerie Jameson-Charles: “Racial Identity, A Changing Construct: Measuring Experiences for a Growing Population of Multiracial Individuals.” Collaborative research with colleagues from the Department/Division, Psychology, **Texas A&M University**; “Evaluation of Common-sense Parenting Programme,” in collaboration with Sisters of the Sorrowful Mother (Trinidad), Archdiocese Family Life Commission (Trinidad), and Boys’ Town (Nebraska).

Rawatee Sharma-Maharaj: Analysis of WIND Imaging Interferometer Data (WINDII Data) in collaboration with Professor Gordon G. Shepherd (Distinguished Professor Emeritus) at **York University**, Canada. This collaborative effort included a six-week (January 14-February 29, 2017) institutional visit to York University.

Research Collaborations (Local Partners)

The School of Education

STEM Project 2: Games Based Learning (GBL) and its Contribution to Student Motivation and Learning in Mathematics and Science at 10 Primary Schools in Trinidad. Mixed Method Research (2016-2017). Research team: **V. Kamalodeen, S. Jaggernauth, R. Kalloo, D. Barrow, S. Abdul-Majied, N. Ramsawak-Jodha, Z. Dedovets, and S. Figaro-Henry**.

Teachers’ Views of the Learning Potential of Students from Low-Income Households.

Research team: **Benignus Bitu, Dyann Barras, Stephen Geoffroy, Shahiba Ali, Samuel Lochan, Lennox McLeod, Lystra Stephens-James and Antoinette Valentine-Lewis**.

Emancipatory Teaching Practices in the Understandings of Social Sciences Teachers on a Diploma of Education Programme.

Research Team: **Stephen Geoffroy, Benignus Bitu, Dyann Barras, Samuel Lochan, Lennox McLeod, Lystra Stephens-James and Antoinette Valentine-Lewis**.

Exploring Teachers Job Satisfaction Before and After the Postgraduate Diploma in Education Programme.

Research Team: **Zhanna Dedovets, Sharon Jaggernauth, Nalini Ramsawak-Jodha**.

Investigation of Level of Student Motivation to Learn Mathematics, Communication Competence, and Critical Thinking in Secondary Schools in Trinidad and Tobago (St. George East District).

Principal Investigator: **Zhanna Dedovets**. Team: **Sharon Jaggernauth, Nalini Ramsawak-Jodha**.

FACULTY OF HUMANITIES AND EDUCATION

Exploring The Use of Games to Promote Inquiry, Motivation, and Science and Mathematics Success (Achievement)

Among Trinidadian Primary School Students.

Principal Investigator: **Virmala Kamalodeen.**

Team: **Zhanna Dedovets, Sabeerah Abdul- Majied**

Sharon Jaggernauth, Nalini Ramsawak-Jodha.

Explaining and Addressing Implementation Deficits in the Global South: The Case of Trinidad and Tobago.

Research Team: **Jerome De Lisle, Sharmilla Harry, and**

Nalini Ramsawak-Jodha.

Implementation of the CVQ in Secondary Schools in the Caroni Educational District: Teachers' Levels of Use and Essentialism Educational philosophy using short stories.

Research Team: **Nalini Ramsawak-Jodha, Sharmila Harry and Tricia Smith.**

Influence of Context on Recently Trained (Dip Ed) Teachers' Practice.

Research Team: **Susan Herbert, Jennifer Yamin-Ali and Freddy James.**

Exploring Secondary School Students Foreign Language Anxiety.

Research Team: **S.J. Jaggernauth and S. Otway-Charles.**

Research Projects Completed or in Progress

Department of Modern Languages and Linguistics

Dr Oscar Bazán Rodríguez: Currently writing *La luz solitaria*, a novel based on the folklore of Trinidad and scheduled to be published in two years; and a critical corpus for an academic article on Memory in the works of Alfons Cervera.

Natalia Cardona Villa and Paola Palma Rojas: "Teaching and Learning Spanish in Secondary Schools in light of SAFFL: Teacher's Perspectives".

Dr Kathy-Ann Drayton: "Trinidad and Tobago Child Language Corpus (TTCLC)."

Dr Sandra Evans: "Linguistic Advocacy in Legal Systems in the Creole-speaking Commonwealth Caribbean."

Dr Jo-Anne Ferreira: "Trinidadian French Creole Literature" and "The Cultural Contribution of the Portuguese of the West Indies"

Rómulo Guédez Fernández: "Development and Validation of a Framework for the Assessment of Spanish Interactive Speaking Performance."

Dr Diego Mideros Camargo: "Identity, Agency and Voice in Two EAL Doctoral Writing Contexts."

Dr Nicole Roberts: "Race and Religion in the Novel *Nuestra señora de la noche* by Mayra Santos Febres."

Professor Elizabeth Walcott-Hackshaw: "The Poetics of Trauma in Caribbean Writings and Films."

Centre for Language Learning

B. Carter: "Languages for Life", a focus on nationals who are active multilingual speakers in professional or personal contexts.

Department of History

C. Cwik: Sephardics and New Christians in the Caribbean. The History of an Atlantic Minority, 1500-1700; Independent "Peripheries" in the Circum-Caribbean, 1750-1820; Hotel Caribbean? Austrian (onward) Migration, 1933-1955 and International Camps in the Caribbean during World War II: Trinidad and Tobago.

G. Matthews: Presbyterian Homes for Indian Girls in Trinidad 1890-1912: Continuity and Change; Pursuing Freedom: Enslaved Revolts in Trinidad and Tobago and The Emancipation Experience of the Merikens of Trinidad.

D. Mc Collin: Exploring the Use of the Digital World to Showcase Caribbean History; The History of Nursing in Trinidad and Tobago; History of Health and Medicine in Trinidad and Tobago; History of Tobago and Impact of World War II on Trinidad and Tobago and the West Indies.

A. Ramsay: The History of Fraternal Organisations (Caribbean, Fiji); Land ships in Barbados; Museums (Caribbean, Pacific Islands) and Caribbean Cultural Expressions, Heritage, Socio-Cultural Institutions.

S.A. Singh: *Diaspora in the Caribbean – Oxford Bibliographies in Hinduism*. New York: Oxford University Press and *The Indian Diaspora: Identities, Trajectories and Trans-nationalities*.

Research Grants /Funding Received

Department of Modern Languages and Linguistics

Tyrone Ali: Campus Research and Publication Fund Committee Grant for conference participation at the Doing Sex and Gender – Men and Masculinities Conference, Newcastle, England. July 2017. Value: TT\$10,000.

Benjamin Braithwaite: Endangered Languages Documentation Programme. Language Documentation Grant. “Documenting Language Across Modalities: Visual and Tactile Sign Language in the Bay Islands.” Value: GBP £9,946.55. IMPACT Justice funded project. “Enhanced Access to Justice for Deaf Caribbean communities: A Pilot Project in Trinidad and Tobago and Barbados.” Value: CAD\$10,000. National Science Foundation grant to support presentation at 5th International Conference on Language Documentation and Conservation (ICLDC). Value: US\$1,500.

Nicole Roberts: Campus Research and Publication Fund Committee Grant. *The Hispanic Caribbean: Perspectives from the Contemporary Anglophone Caribbean* Value: TT\$20,000.

Danielle Watson: Attendance scholarship from Queensland University of Technology for the Crime and Justice in Asia and the Global South International Conference, Cairns, Australia. September 2016. Attendance scholarship for the Research for Development Impact (RDI) Network Conference, University of Sydney, Australia. March 2017. Funding from the School of Social Sciences, University of the South Pacific for participation in the Pacific Islands Chief of Police Conference, Guam. August 2017.

The Department of Literary, Cultural and Communication Studies

Kevin Browne: Funding from the Campus Research and Publications Fund for the publication of his book. Value: TT\$40,000.

Elizabeth Jackson: Funding from the Campus Research and Publications Fund for the publication of her book, *Muslim Indian Women Writing in English: Class Privilege, Gender Disadvantage, Minority Status*.

Godfrey Steele: Funding from the Campus Research and Publications Fund for *The Journal of Human Communication Studies in the Caribbean*. Value: BDS\$10,000.

Centre for Language Learning

Beverly-Anne Carter: Funding received from the Campus Research and Publications Fund for a follow-up to the RDI Fund Languages and Competitiveness Project to produce a DVD with a focus on nationals who are multilingual speakers. A Japan Foundation Grant was awarded for the promotion of the Sakura Network locally and regionally, and a Korea Foundation Grant was presented to fund a Visiting Professor at the Centre for Language Learning.

FACULTY OF HUMANITIES AND EDUCATION

Outreach Conferences

The **Department of Literary, Cultural and Communication Studies** hosted 'Power, Performance and Play in the Trinidad Carnival Complex' from March 2-3, 2017.

The **Department of History** hosted the 49th Annual Association of Caribbean Historians Conference from May 14-19, 2017.

Lectures, Seminars, Forums, Workshops, Camps, Open Days and Theatre Festivals

Department of Creative and Festival Arts

The **Department of Creative and Festival Arts** (DCFA) provided a number of arts related activities, productions, exhibitions, concerts and events for the university and national community in 2016/2017. The DCFA holds the view that attention to the imaging of the Department is essential, since the public at large sees, judges and comments on the University when they see, judge and comment on the many public activities and events of the DCFA.

The **Department of Creative and Festival Arts** engaged in a community outreach project titled *Read to Rise*. It also hosted the 3rd Think Symposium, designed to further national and regional discussions on matters pertaining to the cultural sector. The one-day symposium, titled *No Luxury Item: Cultural Policy and the Necessary Art of Development*, took place on Thursday April 27, 2017. The symposium provides a platform for dialogue on a national cultural policy for Trinidad and Tobago.

Department of Literary, Cultural and Communication Studies

The **Department of Literary, Cultural and Communication Studies** (LCCS) successfully hosted Campus Literature Week, and the Communication Studies Research Expo. The Cultural Studies section in collaboration with the Trinidad and Tobago Film Festival screened the documentary *Ninth Floor*. The Department also hosted LCCS Seminars featuring presentations by members of staff.

Department of Modern Languages and Linguistics

The **Speech Language Pathology Clinic** in the **Department of Modern Languages and Linguistics** (DMLL) continued to service the needs of underprivileged children with speech impediments. The North West Regional Health Authority continues to refer patients to the clinic.

The Portuguese section of the **Department of Modern Languages and Linguistics** hosted several special events such as *A Alma Brasileira: The Brazilian Soul*, a Modern Languages Research Day, LusoFesta 2017: **The Portuguese Language Experience** and the annual Foreign Language Theatre Festival.

A Alma Brasileira: The Brazilian Soul, a musical celebration of the Independence of Brazil and 100 years of Samba was held on September 7, 2016 at the Central Bank Auditorium in Port of Spain. The concert was a treat for all who attended and featured musical renditions by Candice Alcantara, Marlon De Bique, Gerelle Forbes (all of whom were taught Portuguese by staff members), Heather MacIntosh and Devon Seale, with musicians Anthony Woodroffe Jr. and band, and Marcus Santos of Bahia, Brazil, and performances by Acanne Capoeira, and Wilson and Co Dance Troupe.

Modern Languages Research Day

The staff in the **Modern Languages sections** (French, Portuguese, Spanish) of the DMLL held a Modern Languages Symposium titled "Re-Thinking Borders and Boundaries: Celebrating Modern Languages at The University, St. Augustine" on May 5, 2015. Seven members of staff in the DMLL, as well as the Centre for Language Learning (CLL) shared their current research work. The event was well attended and saw various other UWI colleagues and students participating in the question and answer sessions.

LusoFesta 2017: The Portuguese Language Experience

The annual festival showcasing the Lusophone (Portuguese-speaking) world was held from March 29-April 7, 2017. The week-long programme includes a film festival, dances, cuisine, exposure to the Portuguese language and the 15 Portuguese Creoles. This year, students researched and represented four Lusophone territories in the Lusophone Commonwealth (CPLP) – the Brazilian State of Amazonas, the Republic of Guinea-Bissau, Macau in China, and Madeira (Portugal).

Foreign Language Theatre Festival

The annual festival featured plays which represented six languages – (French) *L'Inspecteur Toutou* by Pierre Gripari, directed by Mathilde Dallier and Nicolas Lépine; (Portuguese) *Tom do Brasil*, an original play written and directed by Maria Teresa Costaguta; and (Spanish) *Tres sombreros de copa*, a comedy adapted and directed by Laura López Calonge. There were also plays presented by Chinese, English as a Foreign Language (EFL) and Japanese students from the Centre for Language Learning.

Department of History

The **Department of History** hosted its third annual **History Fest**. The event's theme was "1917: Liberating Indian Indentured Labourers, War Veterans and the Baptists". The opening ceremony featured Baptist rituals and was followed by an academic forum. Two workshops (CSEC and CAPE) were well attended by secondary school students and teachers, (350 at the CSEC workshop and 125 at the CAPE workshop). Given the numerous requests from participants, it was decided that the Department of History will host similar workshops each semester, one for each level. Among the other activities were an Undergraduate Inter-University Debate, an Intercampus Postgraduate History Seminar, a Primary Schools' Poster Competition, and a Secondary Schools' Essay Writing Competition. The event was featured in a two-page article in the *Trinidad Guardian* newspaper.

Family Development Centre

The **Family Development Centre** (FDC) expanded its counselling offerings and knowledge generation through CREN (Caribbean Research Empowerment Network). It hosted an interactive learning event that drew 116 participants and a Research in Education Symposium: "Re-visioning Education in Trinidad and Tobago: From Educational Policy Issues to Knowledge Generation and Mobilisation". The Centre trained staff in Classroom Assessment Scoring System (CLASS). The Caribbean Lifestyles Communication facilitated the broadcast of nine radio segments produced by The UWI Family Project.

Chapters 1-6 in a study on Leadership, Perceptions and Practices in Early Childhood Environments: A Comparative Study between Trinidad and Tobago and Barbados were written – (January-February 2017) and a Social services handbook – Everybody's Guide to Social Services in Trinidad and Tobago was proof-read and edited. Intended printing of the book is set for November to December 2017.

Office of the Dean

In November 2016, the **Film Programme, Office of the Dean** hosted its first Secondary School Initiative. The Open Day was designed to create awareness of The UWI Film Programme and to propel interest among adolescents to pursue a career in film and ultimately contribute to the local and regional industry. The event attracted over a hundred students and featured film practitioners, alumni and a mini-workshop on the local film industry.

Department of Creative and Festival Arts

Staff and students of the **Department of Creative and Festival Arts** (DCFA) have all contributed to one or more special events in the University and/or extensions (exhibitions, workshops, productions) in alternative venues for communities within and outside of the University during the academic year 2016/2017. Highlights include:

FACULTY OF HUMANITIES AND EDUCATION

The UWI Steel performed at The UWI **Graduation Ceremonies**. DCFA students of Voice, Percussion, and Dance provided performance interludes at five of the six graduation ceremonies. Directors: **Jessel Murray** and **Khion De Las**.

September 2016

UWI Arts Chorale performed at The UWI Matriculation Ceremony. Conductor: **Jessel Murray**.

October 2016

Students performed a piece choreographed by **Deboleena Paul** as part of The UWI Graduation Ceremonies.

November 2016

UWI Arts Guitar Ensemble performed in Concert at the CLL Auditorium. Director: **Anthony Williams**.

UWI Arts Wind Ensemble performed in Concert at the Daaga Auditorium. Director: **Leslie Clement**.

The UWI Arts Steel presented a concert with **Vidia Haroo**, *mezzo-soprano* at Our Lady of Fatima Church, Curepe. Conductors: **Jessel Murray**, and **Khion De Las**; piano accompanist: **Jessel Murray**.

Cultural Research Colloquium was hosted at the CLL Auditorium. Chaired by **Dr Jo-anne Tull**.

New Directors Forum: A Festival of Plays at the Learning Resource Centre (LRC).

December 2016

Festival of Movement dance concert at Little Carib Theatre, Port of Spain.

UWI Arts Chorale and the **UWI Steel** presented **Mozart Requiem** with Sinfonia and other music of the season at Santa Rosa Roman Catholic Church and St. Pauls' Anglican Church, Harris Promenade. Conductor: **Jessel Murray**.

E3: The Entrepreneurship Series. The Exhibition Hall, Gordon Street. Chaired by **Tamara Da Breo**.

Festival of Scenes at the DCFA.

February, 2017

The Old Yard at DCFA, which featured traditional Mas characters. Chaired by **Dr Jo-anne Tull**.

March, 2017

The UWI Arts Percussion, **Dr Jeannine Remy**, director, presented "**Percussion on the Greens**" with the **UWI African Percussion Ensemble** at DCFA, Gordon Street. Directors: **Mikhel Carter** and **Daniel Griffith**.

Festival Dance Ensemble II presented a Site-Specific Performance as part of the 2017 Open Day at Gordon Street.

The DCFA presented its **inaugural Open Day** at DCFA, Gordon Street.

April, 2017

UWI Arts Guitar Ensemble in Concert at CLL. Director: **Anthony Williams**.

Music of the Diaspora – The UWI Arts Intermediate Steelpan Ensemble, Members of the 'Introduction to World Music Course', and **The UWI Indian Classical Ensemble**. Directors: **Barry Mannette Patrice Cox-Neaves**, and **Shivanand Maharaj**.

Sole to Sole dance concert at Little Carib Theatre, Port of Spain.

Theatre Arts Unit presented: *Stick-ey Desires* at the Learning Resource Centre. Director: **Louis Williams**.

Children's Theatre Production "Androcles and the Lion/ The Chest of Dreams" (**Theatre Arts Unit**), Black Box, DCFA, Agostini Street. Director: **Averil Ramchand**.

BA Visual Arts Student Exhibition.

May, 2017

Certificate Visual Arts Student Exhibition.

UWI Arts Wind Ensemble in concert at the Daaga Auditorium. Director: **Leslie Clement**.

More than Just Jazz – The UWI Arts Jazz Ensemble at the Daaga Auditorium. Director: **Khion De Las**.

You Will Be Found – Students of the **Second Year Certificate in Music Class**. Student Music Director: **Anton Williams**.

June, 2017

The UWI Arts Chorale and **The UWI Arts Steel** presented *Joyful Two* including a performance of the Schubert "Mass in G Major" – at Holy Rosary Catholic Church, The UWI. Conductor/vocal accompanist **Jessel Murray**.

July 2017

Joyful Two Tour: UWI Arts Chorale and the **UWI Arts Steel** toured Central America for two weeks presenting six concerts and three workshops, principally in Belize City and Belmopan, Belize, and Chetumal, Mexico with the hosting of the University of Belize and the University of Quintana Roo, respectively. The tour concluded with both groups performing at the Installation of **Professor Clement Sankat** as the President of the University of Belize. Conductor/vocal accompanist: **Jessel Murray**.

Film Festivals and Screenings

Film Programme

Nine student films were screened at the 2016 Trinidad and Tobago Film Festival (TTFF/16). The Film Programme screened 15 films from the TTFF/16 at the Film Building. Every film included a question and answer session with the filmmakers.

The UWI Film Programme, in collaboration with the Embassy of the Republic of Cuba, screened a two-film tribute in honour of the late founder of the Cuban Revolution, Fidel Castro in December 2016. In association with the Caribbean Travelling Film School, the Film Programme hosted the Africa World Documentary Film Festival (AWDFF) in April 2017. The festival featured twenty-seven films exploring the experiences of people of African origin all over the world.

The Film Programme again partnered with Africa Film Trinidad and Tobago (AFTT) and hosted a festival of African film classics over three days in July 2017. AFTT is an annual film festival that showcases some of the best of contemporary and classic films from the African continent.

Projected Activities for 2017/2018

The Faculty's projected activities for 2017/2018 and beyond are presented below:

ACCESS

In the area of access, the FHE plans to do a number of things, namely, expand its study abroad programmes, complete the design of two undergraduate Certificate programmes in Caribbean Studies and Liberal Arts. There is also intention to expand the intake for the Postgraduate In-service Diploma in Education programme. The Faculty plans to design and offer a number of new programmes for the new academic year. The Department of History is currently considering a programme in Heritage Studies that will seek to present the Caribbean's rich and diverse history. Other new offerings will include a BA Journalism, MFA Film Programme and courses in animation, Leadership in Tertiary Education, a Masters in Music Education and an intensive English Language programme for undergraduate and postgraduate speakers of languages other than English.

Teaching and Learning

Within the areas of teaching and learning, the Faculty plans to review programmes such as the MEd in Youth Guidance, the Diploma in Arts and Cultural Enterprise Management (to upgrade it to the Master's level), and the MA in History. The FHE also plans to increase staff in a few key areas – the BEd in Early Childhood Care and Education, Visual Arts, the Writing Centre, English Language Foundation courses, Deaf Sign Language and Portuguese/Brazilian Studies.

An undergraduate degree minor in Cultural Studies will be offered for the first time in 2018/2019.

Additional plans for the 2018/2019 academic year include the strengthening of the postgraduate supervisory process; development and sustaining of the evaluation of staff teaching; upgrading of teaching equipment in the School of Education's Auditorium, CLL's Lecture Rooms and Auditorium, Film programme, and Journalism programme;

and developing internship programmes, in collaboration with relevant industries such as National Archives, NALIS, National Heritage Trust and the San Fernando Heritage Trust.

Research and Innovation

In the area of research and innovation, the Faculty plans to obtain a Research Fellow to coordinate staff's research, as well as create a Postdoctoral Fellow position in the fields of Literature, Cultural Studies or Communication Studies to contribute to developing Cultural Industries as an area of research and innovation. It also plans to develop standards for teacher education to align with regional standards. The existing programmes will continue to be reviewed to ensure relevance and marketability.

ALIGNMENT

Activism and Public Advocacy

During the new academic year, the FHE plans to re-introduce the BA programme in Philosophy. It will establish a Psychoeducational Diagnostic and Intervention Unit and a dedicated phonetics computer laboratory for assessing students' speech, which would also be available to the Speech Language Pathology section.

Improve Academic Partnerships

Plans are set to take on an Archaeological Survey and Historical Research project on Caledonia Island and Nelson Island in collaboration with the National Trust of T&T and the University of Vienna. The Faculty will work on the development of a national Arts Policy, which will also guide the Faculty's curriculum design.

The Faculty intends to partner with the National Carnival Development Foundation (NCDF) to develop a Pre-Certificate programme for Carnival Mas practitioners. A review of the BEd programme is intended to align it more closely with the Primary School curriculum. The development of "The Ole Yard" will also be used as a tool/vehicle for CSEC and CAPE Performing Arts Education.

Single UWI Brand Consciousness

A retreat for academic staff is being considered to look at the strategic direction of the Faculty and the rebranding and remarketing of the Humanities and Education in Trinidad and Tobago and in the region.

AGILITY

Establish Physical Presence of The UWI on all Continents

The Faculty intends to develop a system of exchanges between individual students and performance groups of the DCFA with regional and international colleges and universities to enhance experiences for both parties. It also expects to add more staff and students study abroad agreements with universities to enhance experiences for both parties.

Restore Financial Health to UWI

In order to play an active part in the restoration of the financial health of The UWI, the FHE has a number of plans for the new academic year. These include consolidating the existing in-house production unit to facilitate UWI internal, local, regional and international collaborations/co-productions. This will allow for an expansion of income generating production activities and services. Other initiatives involve increasing the Spanish Language course offering at the Centre for Language Learning (CLL) and engaging a Research Officer at the CLL to help respond to requests for income generating proposals. Collaborations with external agencies, such as UNESCO, UNDP, UNICEF and COL to offer programmes, courses and workshops could also generate funding. The Faculty is also exploring the possibility of a partnership with the Associate Board of the Royal School of Music to develop an international programme in the examination of steelpan and the application of intellectual property rights could yield revenue from the worldwide sales of steelpan syllabi while broadening the activities and offerings of the Continuing and Professional Development Unit.

Distinguished Visitors

Centre for Language Learning

Her Excellency Coromoto Godoy Calderón

Ambassador
Bolivarian Republic of Venezuela

Ingrid Kemchand

Curriculum Coordinator, Modern Languages Curriculum
Development Division
Ministry of Education
Trinidad and Tobago

Professor Kahiudi Claver Mabana

Professor of Francophone African and Caribbean Literature
Department of Language, Linguistics and Literature
The University of the West Indies, Cave Hill Campus,
Barbados

Dr Ana Maria Sousa Aguiar Medeiros

Director of the Modern Language Centre
King's College,
London, UK

Department of Creative and Festival Arts

Marielle Barrow

Author and Cultural Activist

Kriston Chen

Architect

H. Lincoln Douglas

Cultural Activist

Ben Garner

Professor
University of Portsmouth, UK

Nimah Muwakil-Zakuri

Curator
Central Bank, Trinidad and Tobago

Jeunanne Alkins

Author
Trinidad and Tobago

Kelly Bennet

International children's story book writer and
Children's Choice Award winner

FACULTY OF HUMANITIES AND EDUCATION

Mary Bourne

Sculptor
Scotland, UK

Sasha Jattansingh

Policy and Environmental Consultant to United Nations
Development Programme
Trinidad and Tobago

Frank Wuenstal

Jeweller
Academy of Jewelry and Art

Akosua D'ardain

Social Entrepreneur and Founder
Enabling Enterprise Project

Nigel Jordan

Digital Marketing Specialist Online Communications

Emily Woods

Artistic Director
Cabasa Carnival Arts,
UK

Ray Funk

Researcher and Author, Calypso Music

Linda Henderson

Musical Theatre Vocal Coach
University of the Arts,
Philadelphia, USA

Grupo Madera

Drumming Ensemble
Venezuela

Andy Martin

Professor of Percussion
USA

Jimi Phillip

Pan Builder and Tuner
Trinidad and Tobago

Punjabi Dance Ensemble

India

Jacob Cino

Yoga Instructor

Jillian Franklyn

DCFA, UWI Alumna
Trinidad and Tobago

Evette Graham

Ministry of Education
Trinidad and Tobago

LaShaun Prescott

Choreographer
Trinidad and Tobago

El Folklorico Internacional de Cuba

Dance Company
Cuba

**Department of Literary,
Cultural and Communication Studies****Courtia Newland**

Writer/Author, Writer-in-Residence
UK

Jarula Wegner

Research Student
Goethe-University, Frankfurt

The Dean's Office: The Film Programme**Yoko Fung**

Fashion Designer
Trinidad and Tobago

Clish A. Gittens

Documentary Filmmaker
Barbados

Elizabeth Marciano

Director
Trinidad and Tobago

Machel Montano

Musician, Actor, Record Producer, Song writer
Trinidad and Tobago

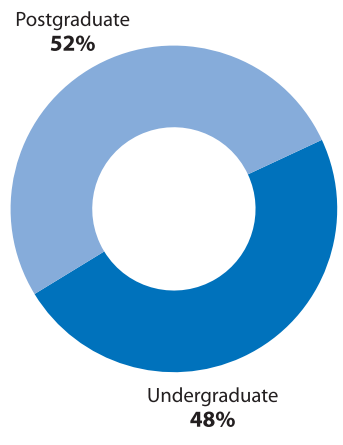
Michael Mooleedhar

UWI Alumnus
Trinidad and Tobago

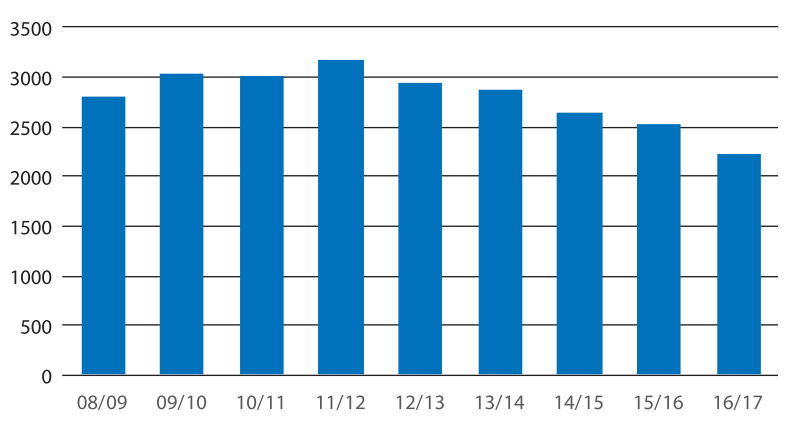
Diana Fox and Akilah Jaramogi

Literary Agents

Graduation Undergraduate vs Postgraduate 2016 / 2017



Trend In Enrolment 2008 – 2017





Professor Rose-Marie
Belle Antoine
Faculty Dean

Executive Summary

The year under review was a contemplative one for the Faculty of Law. Its first Quality Assurance review was a major focal point that fuelled the Faculty's continuing efforts to enhance its Teaching and Learning environments in both undergraduate and graduate programmes in what is a still growing Faculty. Much of these efforts focused on the evaluation of core objectives and operations, which was done with student representatives fully on board.

Important initiatives for the Faculty were undertaken in the area of Outreach, in particular, continuing legal education and public service educational events for major stakeholders and the public at large. These included several workshops, conferences and panel discussions, as well as direct training activities for the ever-increasing body of persons who call on the Faculty to take the lead in law-related matters. The Faculty made a concerted effort to be accessible to the public, not only in its panel discussions, but also in its *Trinidad Express* column, which had several colleagues weighing in on diverse topics of public interest and significance to the country and region. These initiatives had a deep and wide impact on diverse stakeholders, including private-sector actors, such as in the Oil and Gas sector, leading NGOs, and even the Parliament of Trinidad and Tobago. The implementation of the European Union (EU) Faculty of Law Human Rights project continued to be an important part of such Faculty activities.

Notable events during the year in review were the second Oil and Gas Conference, the inaugural Legislative Drafting Workshop, the EU Faculty of Law Human Rights Open Day and the Special Parliamentary Session on the Death Penalty. Special short-films on human rights to sensitise the public were new and exciting areas of endeavour for both the Law programmes and outreach objectives.

A significant innovation for the Faculty was the launch and steady development of the International Human Rights Clinic, which came into concretisation with the start of a

specifically tailored course to support the Clinic. The Clinic benefits students by bringing together traditional learning and innovative learning techniques, through the vehicle of active lawyering skills utilising NGOs and practitioners.

In the year in review, the Faculty was particularly proud of its students. The **Students' Law Society** partnered with the **Children's Ark of Trinidad and Tobago** on a Human Rights Art project with children from the St. Dominic's Home. They also succeeded in producing the much anticipated *Law Magazine*.

In the coming year, the Faculty is looking forward to continuing the important work it is doing in advancing continuing legal education for practitioners; elevating the legal discourse in the public domain, increasing access to its programmes, even more projects which align the Faculty to vital private sector partners and NGOs and to contributing to the new Sports Faculty.

Enrolment

The Faculty of Law continued to be a much sought after faculty, attracting applicants with high quality academic qualifications, at CAPE and first-degree holders, including national scholarship winners. Additionally, the Faculty observed increased applications from regional applicants, given the growing awareness of its existence and fast-developing reputation. The Faculty maintained its policy of being selective in student recruitment, selecting students on a competitive merit basis. It also maintained its policy of a quota for applicants from law enforcement and for mature students who may not otherwise meet the selection criteria.

The Gold Medal Winner for the highest CAPE results in Trinidad and Tobago, **Raquel Le Blanc**, joined the Faculty to pursue the LLB programme.

Total student enrolment for the Faculty in 2016/2017 stood at just under 400 students, 14% of whom were pursuing

postgraduate programmes, which continued to grow. The LLM in particular has continued to record rapid increase in its enrolment since its inception. Meanwhile, the Faculty's PhD programme proudly admitted its first cohort of students.

Graduation

In the undergraduate programme, the Faculty of Law had five First Class Honours awardees and four students were recognised as the Most Outstanding performers in 2016/2017.

First Class Honours Awardees (LLB) Undergraduate

Crystal Charles
Rondelle Keller
Chitrani Ragoonanan
Shelby Seenath
Vaughn Thomas

Most Outstanding Students

Nadia Ali: Level I
Vandana Ramadhar: Level II
Vaughn Thomas: Level III
Rondelle Keller: Direct Entry

Law Society - Contribution to Faculty Life

The invaluable contribution that students of the Law Society make by supporting their peers, to the Faculty of Law itself and increasingly, to the country as a whole, is to be acknowledged. The student body, the Law Society, is an integral part of the Faculty. Apart from the numerous student activities that they undertook among themselves, the Law Society organised and was actively engaged with the **Children's Ark Project**, a Human Rights and Art project with the **St. Dominic's Children's Home** in Belmont. The Society also held a Sexual Offences panel discussion with **Jonathan Bhagan**, Attorney and Member of the Law Association of Trinidad and Tobago (LATT).

Employee Engagement and Development

The Faculty remained committed to actively assisting in the development of its existing staff, both academic and administrative. The Faculty welcomed its first PhD student, **Afiya France**, who is a Lecturer in the Faculty and is doing her research in the area of Health Law.

The Faculty also held its first full Staff Retreat which included both academic and ATS staff in February 2017. The Retreat focused mainly on the requirements necessary for its then upcoming Quality Assurance Review exercise, administrative staff dialogues and student feedback sessions.

The Faculty's Administrative Officer, **Alicia Bromes-Julien**, completed The UWI's Supervisory Management Programme. Efforts to streamline administrative duties and posts in the Faculty were also initiated.

Internal Operational Processes Teaching and Learning

Much of the period under the review was taken up with preparations for the pending Quality Assurance Review which took place in March 2017. The Faculty also continued to work to improve its teaching and learning environment.

Quality Assurance Review

In March 2017, the Faculty successfully completed its Quality Assurance Review Exercise. The Report commended the Faculty for its significant progress despite its comparatively recent establishment. At the end of the process, the review team presented an oral report, as is required. This oral report was extremely positive. The Faculty was congratulated on its many significant achievements and progress to date. It was noted that the Faculty had received high praise from its stakeholders. Of special mention were the innovative staff research; the student fund started to provide student research assistance and stimulate research; the Faculty's Outreach programme; and the Faculty's academic programming and student environment. Past students especially had spoken in glowing terms of the Faculty, the excellent quality of their experience here – both academic and the personal care and attention; and the huge progress that the Faculty had made.

There was also special commendation for the Faculty's progressive policies to increase access through its admission policies and outreach and the leadership was encouraged to continue in this vein and to do even more, citing some work that had been done in US inner cities. The reviewer from Cave Hill, Jeff Cumberbatch, in fact stated that the St. Augustine Law faculty was "doing better than the Cave Hill law faculty".

Academic Review at Faculty Retreat

For the second time, the Faculty went into retreat in order to review its teaching and learning processes. Particular attention was paid to failing students and ways to improve performance, and a number of proposals were discussed. Student leadership participated in this retreat and gave their own proposals.

Initiation of Multi-Mode Assessment

The Faculty initiated the process of upgrading its course offerings to multi-mode assessments as expected by The UWI. A session was coordinated by Alicia Elias-Roberts and CETL Director, Dr Margo Burns. The process is ongoing.

Launch of International Human Rights Clinic Course

The Faculty launched an innovative International Human Rights Clinic course. This course aims to provide a more practical learning environment to the study of human rights and will work together with NGOs and legal practitioners. The course complements the International Human Rights Clinic established by the Faculty, which is a work in progress.

Bid for Funding for International Human Rights Clinic and Related Course

The Faculty of Law placed a bid to the European Development Fund (EDF) project under the auspices of the Ministry of Education, for funding to support the International Human Rights Clinic and related course.

Website

The Faculty's website was re-designed to enhance communications and public relations.

Teaching, Learning and Student Development International Mooting

In 2017, the team from The UWI St. Augustine Faculty of Law performed admirably. In the Jessup International Moot Court competition held in Washington in April, the team ranked 61st out of 127 teams. Two of the Faculty's advocates ranked among the top 100. **Rondelle Keller** ranked 44th and **Hannah Hylton-Edwards** ranked 78th out of over 500 advocates. In the Inter-American Moot Court Competitions held in Washington in May, the team ranked 3rd after the preliminary rounds and 7th overall out of a total of 100 teams. The team's written arguments ranked 25th out of 100 teams.

Dean's Honour List

The Dean's Honour List, which highlights students who have attained a GPA of 3.60 and above in Levels 1, 2, and 3 in each semester of the academic year, continued to be a popular incentive for student performance. The Dean's List made a quantum leap from the mere 15 students who made the inaugural list, to 40 students being recognised in 2016/2017.

Prize Award Ceremony

The Faculty held its third formal Prize Giving Ceremony on October 20, 2017 to celebrate the achievements of its top performing students and First Class Honours awardees for 2016/2017. With effect from November 2016, the Faculty's Award Ceremony was expanded to include recognition of Dean's Honour List students, as well as postgraduate distinction achievers.

Special Scholarship for Law Students

The Faculty's prized **Makandal Daaga Scholarship in Law** aimed at social activists and increasing access to the LLB programme, gained approval from The UWI authorities in 2016/2017 and was advertised to receive applications for implementation of the scholarship with effect from the 2017/2018 academic year. The scholarship looks beyond mere academic performance to include advocacy and activism as criteria for selection into the LLB programme. As such, it increases access to The UWI. Suitable candidates were shortlisted and interviewed by a Selection Committee of the Faculty.

Access via Expansion of Courses and Enrolment

The existing LLB course offerings were expanded by the creation, approval and offering of the new LLB course **International Human Rights Clinic**, which includes engagement with NGOs and law practitioners. Expansion also included offering the course **Gender and the Law** for the first time in the Faculty of Law, St. Augustine Campus.

Four law courses were updated to include multiple modes of assessment in alignment with The UWI's policies and procedures. The Faculty also initiated plans to upgrade all courses to multi-mode assessment. The four courses that were amended in accordance with The UWI's rules, regulations and strategic plan were LAW 2310 – Public International Law I, LAW 2710 – Administrative Law, LAW 3350 – Oil and Gas Law and LAW 3460 – International Environmental Law.

At the second Academic Retreat, students and staff dialogued with a view to improving student performance. Pilot projects to improve student attendance and remedial classes for poor performance were instituted as a result. The Faculty continued its successful cross-campus course delivery via teleconferencing in the LLB and LLM programmes and recorded its highest enrolment of regional students in 2016/2017, evidencing the increasing successful presence of the still new Faculty.

Postgraduate Programme

The Faculty's 2nd Postgraduate Welcome Reception was held in September 2017, which was well received and appreciated by the postgraduate students of the Faculty. In 2016/2017, the Faculty's PhD programme received GATE funding and was launched. Six applications were received and one successful candidate commenced the PhD.

Learning Initiatives including Community/Service/Stakeholder and Outreach Interactions

The Faculty continued to reach out to other international organisations and tertiary institutions and completed MOUs with the **University of Madrid**, Spain; **Georgetown University**, USA and **Ostfalia University**, Germany. A number of learning initiatives that involve interactions with stakeholder community partners and service methodologies, including effective collaborations with NGOs were utilised during the reporting period. These included seminars, conferences, panel discussions on various law and legal policy topics. These were often of topical interest and of great importance for the Faculty. They were used as ways to engage other stakeholders, harness and inform public views and ground students' education, consciously encouraging informed activism, a core objective of the Faculty. Students were sometimes invited to present, for example, in the Faculty of Law/EU Panel Discussion *Perspectives on the Death Penalty: Sorting Fact from Fiction*, held in conjunction with the British High Commission. These initiatives were held on a regular basis to keep students up to date and knowledgeable in specific areas.

Learning Initiatives that include Student Interactions with Industry and Other Stakeholders

Interaction with industry, particularly related to law and other similar stakeholders is an important initiative of the Faculty, to enhance its law programming. This allows the Faculty of Law to secure alignment with industry needs, one of its core objectives and part of The UWI's strategic vision. Notable examples are the Oil and Gas classes, where students visit oil companies; the Environmental Law class, with field trips; and guest lectures by **Susan Francois**, Director of the Financial Investigative Unit of Trinidad and Tobago for the Introduction to Offshore Financial Law class. The continued inclusion of eminent practitioners such as CCJ judges and Senior Counsel at the Bar in a number of courses also enables learning centred in industry knowledge and relevance. Workshops and conferences that complement courses taught at the Faculty complement this objective. For example, the Oil and Gas Conference and the Legislative Drafting Workshop fall into this category. Students are invited to these workshops free of charge.

Outreach

The Faculty of Law initiated several outreach initiatives during the reporting year.

Newspaper Column

The Faculty continued its *Trinidad Express* Law Column entitled 'The Law and You' to engage and educate the public on contemporary legal issues of particular interest, coordinated by Dean Antoine (the original 'owner' of the column), with contributions from several colleagues. The column gives staff a space and the confidence to develop ideas which they can further concretise in publications.

Publications and Presentations

Approximately five publications and over 20 presentations at conferences, workshops and trainings were produced by Faculty of Law colleagues. These included two books, one of which was the first joint Faculty publication, an edited volume from a highly successful Symposium on the CCJ, held in collaboration with the Embassy of Canada, the International Labour Organisation (ILO) and the Organisation of American States (OAS).

EU Faculty of Law UWI Human Rights Project and Activities

The Faculty is pleased to report the success of its first project *Growing Capacity for Elevating Human Rights to International Standards in Trinidad and Tobago*. As mentioned in the Faculty's 2015/2016 Annual Report, it was the first time that any Faculty of Law had won a project or grant. The Dean, who was Technical Advisor and Team Leader for the project, later added the role of Project Manager to her portfolio with effect from June 2017.

Under the auspices of the prestigious EU Faculty of Law project, the following events were presented during the reporting year 2016/2017:

Human Rights Advertisements on LGBTI and the Death Penalty:

In October 2016, two advertisements were launched in the form of short films for public airing on media. This was in collaboration with the Film Unit of the Faculty of Humanities and Education. The advertisements/short films were subsequently aired on public television in Trinidad and Tobago (since the project focused on Trinidad and Tobago) and on UWI tv. The Faculty records its appreciation to all media houses concerned and to UWI tv.

Parliamentary Sensitisation Session on the Death

Penalty: In November 2016 this session was held in collaboration with the Trinidad and Tobago Parliament, at the Parliament building. The event was very well attended, including by Ministers of Government, the Honourable Speaker of the House, and President of the Senate of Trinidad and Tobago. The Faculty received many commendations for this event.

Human Rights Open Day: In January 2017, a Human Rights Open Day was held. It showcased items from the three thematic areas of human rights under the project – Death Penalty, LGBTI and Gender. The event was coordinated by Alicia Broomes-Julien and Afiya France. Important Faculty of Law partners in the NGO community collaborated for the Human Rights Day, including the Family Planning Association of Trinidad and Tobago, Womantra and the Equal Opportunities Commission. The UWI's IGDS Unit also contributed to the exhibition. The Human Rights Open Day was constructed as a four-tier event, with the following sub-activities that took place:

- The formal launch of the Human Rights Open Day.
- A student debate on the Death Penalty in collaboration with the St. Augustine Students' Guild.
- A panel discussion on Sexual Harassment.
- An exhibition, which featured both live and still exhibits, including, theatrical presentations, spoken word and other renditions, art displays, collages and posters.

Social Monitoring in Relation to Montevideo Convention on Sexual Health and Reproductive Rights Project: This project was done in collaboration with the Family Planning Association of Trinidad and Tobago and the International Planned Parenthood Federation.

The Indigenous Women Conference: Held in March 2017, in collaboration with IGDS.

Panel Discussion on the Abolition of the Death Penalty:

Held in April 2017, in partnership with the British High Commission. Student, Jadia Pierre, winner of the Human Rights Open Day debate, presented on the panel. A publication on the Death Penalty arising out of the work from the project, was initiated.

Workshop on Refugees: The Faculty partnered with the United Nations Human Rights Committee (UNHRC), and the International Detention Coalition on Alternatives to Detention in the Migration Context and hosted a workshop on Refugees in the Caribbean on September 27-28, 2016.

Oil and Gas Conference

A highly successful Oil and Gas Conference was held on June 8-9, 2017, at the Trinidad Hyatt. This attracted generous sponsorship of over TT\$400,000 from partners, **BPTT, Shell** and other actors in the Energy Sector of Trinidad and Tobago. The conference was coordinated by **Alicia Elias-Roberts**, who also served as conference chair. **Coventry University**, UK, which, under an MOU with the Faculty, was also an important collaborator, sent a contingent of presenters and participants to the conference. Special mention must be made of **Terrence Brathwaite**, from Coventry, who worked closely with the Faculty. An important component of the conference was the focus on Guyana and its emerging Oil and Gas sector. Guyana also had a presence at the workshop.

Inaugural Legislative Drafting Workshop

The Faculty conducted a successful inaugural fee-paying Legislative Drafting workshop on June 29-30, 2017, to train legal practitioners in rarely sourced skills. The workshop was facilitated by **Jonetta Jeet** and Senior Parliamentary Counsel **Ian McIntyre**. Participants also came from outside of Trinidad and Tobago.

Law in Community Fair

The Faculty hosted a Law in Community Fair in April 2017, the fourth such event for the Faculty, under the auspices of the **Trinidad and Tobago Group of Professional Associations**. The event was coordinated by **Timothy Affonso**.

Trans-Atlantic Symposium

The Faculty co-hosted the *Trans-Atlantic Symposium on Religion and Race*, USA in August 2016 and presented at the invitation of organisers.

Academic Outreach Activities with Coventry University

The Faculty continued to have significant collaboration with **Coventry University**, UK including teleconferencing seminars and workshop participation.

Facilitation of National Women's Action Committee Workshop

Afiya France represented the Faculty and presented at the National Women's Action Committee Workshop (NWAC)'s forum on Domestic Violence Prevention Workshop in November 2016.

Media Training Workshop

A workshop to train members of the **Media Association of Trinidad and Tobago** (MATT) on issues of cybercrime, data protection and whistleblowing was held at the invitation of MATT. Three colleagues, **Dr Jewel Amoah**, **Ria Mohammed-Davidson** and **John Knechtle** presented.

Parliamentary Bills

Colleagues were invited to, and assisted the Government of the Republic of Trinidad and Tobago (GORTT) in providing comments on various documents and Parliamentary Bills relating to children's rights, human rights, criminal justice, and FATCA in Trinidad and Tobago.

Human Rights and the Dominican Order

Two colleagues from the Faculty facilitated a Human Rights Session for the Catholic Church – Dominican Order.

Outreach in the Area of Disability

In collaboration with the **Network and Outreach for Disability Education and Sensitisation** (NODES) group, the Faculty submitted several suggestions and written comments to the National Disability Policy and proposed a legislative reform exercise to the **Ministry of Social Development and Family Services**.

Cross-Faculty Innovation and Development

Two colleagues from the Faculty, **Dr Jewel Amoah** and **Professor Rose-Marie Belle Antoine** worked on a multi-disciplinary, cross-faculty EU project on Innovation and Development, under the auspices of the Office of Development and Training, St. Augustine. This included a joint presentation at a National Symposium in June 2017.

Financial

The Faculty continued to witness increased income due to enhanced enrolment and wider access in the self-financed postgraduate programmes, LLM and Postgraduate Diploma. The programme received 33 more students in 2016/2017. Over TT\$400,000 was raised from sponsorship by leading firms, BPTT, Shell and EOG towards the Faculty's Biennial Oil and Gas Conference.

Two self-financing workshops were successfully held – the Oil and Gas Conference from June 8-9, 2017, and a Legislative Drafting workshop on June 29, 2017. The Faculty solicited and received bursaries to assist needy Law students and received pledges from **Justice Anthony Lucky, Sr.**, **Justice Gillian Lucky**, and **Minister Camille Robinson-Regis**. The Faculty also received a donation of TT\$10,000 from the **Students' Guild** to help fund the newly instituted Makandal Daaga Scholarship in Law.

Meetings and consultations were held with external stakeholders and "Friends of the Faculty" (i.e. Civil Society groups, NGOs, members of the legal fraternity) to partner with the Faculty with a view to philanthropic giving.

Projected Activities for 2017/2018

ACCESS

In the area of access, the Faculty intends to implement and continue a number of programmes. These include the implementation of an online LLB for students outside of the programme; the continuation of the **International Human Rights Clinic**, where students learn the responsibilities and skills of human rights lawyering, the **Makandal Daaga Scholarship**, which will continue to provide greater access for persons who would otherwise be unable to pursue the LLB programme. Additionally, the Faculty intends to introduce an N1 Law course, and voluntary remedial classes to respond to the need of weak students.

The Faculty of Law plans to produce a **Law Society Journal/Magazine** at least once per academic year, as well as continue research on the Death Penalty and EU Human Rights Project and seek publication for information coming out of this project, as well as the proceedings of the Oil and Gas Conference.

ALIGNMENT

In the area of alignment, the Faculty plans to continue collaborating with the IGDS on issues of discrimination, as well as with the Faculty of Sports (to work in tandem with the Sports Law course). The Faculty also plans to host a number of legal education workshops in the areas of: Oil and Gas, Banking Law, Human Rights and Constitutional Law and Sport Law.

Training of professionals in the area of Human Rights, designing of advocacy activities and creation of public awareness strategies are all planned activities on the EDF project for the 2017/2018 period.

AGILITY

In the area of agility, the Faculty intends to respond to the market demand for legal education and create short law courses to the public; utilising both staff and external tutors and certification. Courses will be both traditional and innovative.

Other income generating activities planned by the Faculty include the establishment of a legal aid clinic for those in dire need of affordable legal services, to be run by staff and tutors; charging of fees for the Noor Hassanali Auditorium and the provision of specialised law workshops for practitioners. These workshops will provide continuing legal education in the form of high calibre, self-sponsored, specialised workshops. Other plans include the implementation of The UWI's Specially Admitted Student programme for law which would cater to non-law students and the public who wish to follow taught courses in the LLB, and the creation of paperless LLM and LLB programmes

Distinguished Visitors

The Honourable Faris Al-Rawi, MP

Attorney-General of the Republic of Trinidad and Tobago
The Parliament of Trinidad and Tobago

Justice Winston Anderson

Judge of the High Court of Trinidad and Tobago
Caribbean Court of Justice
Trinidad and Tobago

Michael Annisette

General Secretary of the National Trade Union Centre
(NATUC)
Trinidad and Tobago

The Honourable Bridgid Annisette-George, MP

Speaker of the House of Representatives and Member of
Parliament
The Government of the Republic of Trinidad and Tobago

Brian Baptiste

Manager, Project Coordination
EOG Resources Trinidad Limited
Trinidad and Tobago

Richard M. Beckles

Principal Consultant
The Legal Consultancy
Trinidad and Tobago

His Excellency Arend Biesebroek

Ambassador, Delegation of the European Union to
Trinidad and Tobago
EU Headquarters, Port of Spain, Trinidad and Tobago

Leonard A. Birmingham

Former Partner and Corporate Head
Harneys Westwood and Riegels; and Non-Executive Director
on the Board of Directors of Virgin Group Holdings Limited
British Virgin Islands

Terrence Brathwaite

Postgraduate Course Director (LLM Programmes)
Coventry Law School, Faculty of Business and Law
Coventry University, UK

The Honourable Barry Bristman

Political Counsellor,
High Commission of Canada
Port of Spain, Trinidad and Tobago

Hazel Brown

Executive Director of Network of NGOs of
Trinidad and Tobago for the Advancement of Women
Trinidad and Tobago

Rosemarie Cadogan

Legal Advisor
Commonwealth Secretariat
London, UK

Robert A. Cedeno

Engineer and Attorney-at-law
Trinidad and Tobago

Bindra Dolsingh

The Honourable Counsel,
Royal Commonwealth Society
London, UK

Paul Evans

Regional Director Procurement Supply Chain Management
BP Trinidad and Tobago LLC

Professor Jeffrey Fagan

Isidor and Seville Sulzbacher Professor of Law,
Columbia Law School
Professor of Epidemiology at the Mailman
School of Public Health, Columbia University
USA

Susan Francois

Director of the Financial Investigative Unit
of Trinidad and Tobago
Trinidad and Tobago

The Honourable Dr Nyan Gadsby-Dolly, MP

Chairman, Joint Select Committee on Human Rights,
Equality and Diversity
and Member of Parliament
Trinidad and Tobago

Lisa Gosine-Alleyne

Senior Division Counsel
EOG Resources Trinidad Limited
Trinidad and Tobago

Shane Grimes

Coventry Business School, Faculty of Business and Law
Coventry University
London, UK

FACULTY OF LAW

Samraj Harripaul, SC

Chairman, Law Reform Commission
Trinidad and Tobago

Carla Hobbs

Political Press and Information Officer
Delegation of the European Union to Trinidad and Tobago
EU Headquarters, Port of Spain
Trinidad and Tobago

C. A. Nigel Hughes

Director, Guyana Oil and Gas Association
Barrister-at-law, Hughes, Fields and Stoby
Guyana

Dr Mas'ud Ibrahim

Senior Lecturer in Accounting
Coventry Law School, Faculty of Business and Law,
Coventry University, UK

Terry Ince

Social Entrepreneur, Consultant and Human Rights Activist
Trinidad and Tobago

Flavio Inocencio

Co-ordinator, LLM Oil, Gas and Energy
Coventry Law School, Faculty of Business and Law,
Coventry University, UK

Parvais Jabbar

Co-Executive Director of the Death Penalty Project
London, UK

M Ida Le Blanc

General Secretary, National Union of Domestic Employees
and co-founder of the Service Workers Centre Co-operative
Society Limited
Trinidad and Tobago

Sherwin Long

Head of the Trinidad and Tobago Extractive Industries
Transparency Initiative (TTEITI)
Secretariat
Trinidad and Tobago

Justice Gillian Lucky

Judge of the High Court of Trinidad and Tobago
Caribbean Court of Justice
Trinidad and Tobago

Ian Macintyre, SC

Chief Parliamentary Counsel
Ministry of the Attorney General and Legal Affairs
Port of Spain, Trinidad and Tobago

Douglas Mendes, SC

President
Law Association of Trinidad and Tobago

Mark Morgan

Attorney-at-law
Messrs Fitzwilliam, Stone Furness Smith and Morgan
Trinidad and Tobago

Jon Paul Mouttet

Messrs. Fitzwilliam, Stone Furness Smith and Morgan
Trinidad and Tobago

Justice Rolston Nelson

Retired Judge of the High Court of Trinidad and Tobago
Caribbean Court of Justice
Trinidad and Tobago

Dr Ekpen Omonbude

Economic Adviser (Natural Resources),
Oceans and Natural Resources Advisory Division
Commonwealth Secretariat
London, UK

Anthony Paul

Chairman of the Local Content Committee
Trinidad and Tobago

M Louise Poy Wing

Senior State Counsel
Ministry of Energy and Energy Industries
Trinidad and Tobago

Mark Pritchard

UK Member of Parliament
and Co-Chair of the All Party Parliamentary
Group (APPG) on the Abolition of the Death Penalty
London, UK

Jacqueline Quamina

Director, Unilever Caribbean Limited and
Director, Caribbean Corporate Governance Institute
Trinidad and Tobago

Indira Rampaul-Cheddie

Senior State Counsel
Ministry of Energy and Energy Industries
Trinidad and Tobago

Sharon Rowley

Wife of the Honourable Prime Minister
of the Republic of Trinidad and Tobago

Michael Short

Head of Legal
Shell Trinidad and Tobago

Giselle Thompson

Vice President
Corporate Operations, BP Trinidad and Tobago LLC

Professor Jacqueline L. Weaver

A.A. White Professor of Law Emeritus
University of Houston Law Center
USA

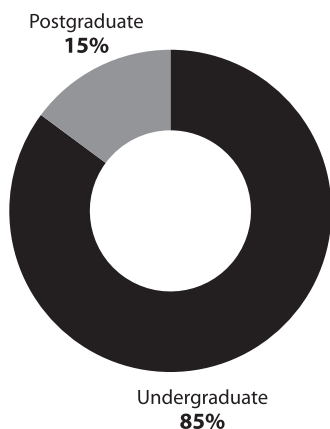
Professor Stuart Weinstein

Chair of Law Research, LLM Oil, Gas and Energy
Coventry Law School, Faculty of Business and Law
Coventry University, London, UK

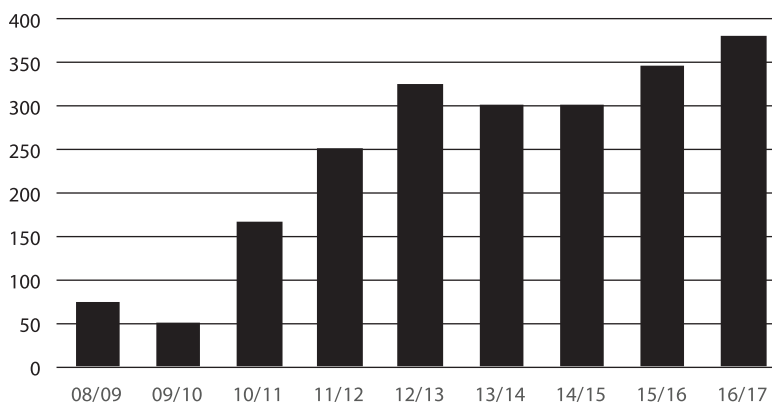
Natasha-Helena Zoric

International Cooperation Adviser
Delegation of the European Union to Trinidad and Tobago
EU Headquarters, Port of Spain, Trinidad

Graduation Undergraduate vs Postgraduate 2016 / 2017



Trend In Enrolment 2008 – 2017





Professor
Terence Seemungal
Faculty Dean

Executive Summary

Like the rest of the campus, 2016/2017 was financially challenging for the Faculty of Medical Sciences. Proposed solutions included the recruitment of foreign students in larger numbers, and the acceptance of full-fee paying students. These proposals have been presented to, and approved by, the Faculty and will be pursued for implementation in 2017/2018.

The Senior Joint Planning Committee (SJPC), a mandate of a 2008 Cabinet Minute, to carry forward the Memorandum of Understanding (MOU) between The UWI and the Regional Health Authorities (RHAs) was activated. Two meetings of the SJPC were held in May and July 2017. The committee comprises the Dean and the four directors from the Faculty, representatives from the RHAs and the Ministries of Education and Health, and chaired by the Campus Principal and the Permanent Secretary of the Ministry of Health. Sub-committees were formed (MOU, Academic Programmes, HR, Facilities, Research) and have been meeting regularly. The work of this Committee and its sub-committees will enhance the alignment between the Faculty, the RHAs and the Ministry of Health.

The accreditation visits yielded positive results. The MBBS programme was accredited until 2017. However, based on the combined response by all the campuses submitted to CAAM-HP (Caribbean Accreditation Authority for Education in Medicine and other Health Professions), the accreditation was further extended until 2019. The DVM programme was accredited for four years and the DDS programme was accredited for two years and extended until 2018.

Teaching started in the new undergraduate Diploma in Paediatric Haematology/Oncology nursing programme, with a cohort of 13 students from across the Caribbean.

The publication rate of the Faculty for refereed articles increased from 133 in 2015/2016 to 151 this year, an increment of about 14%. This is also the first year in which

the Faculty used all of its research grant funding from the Campus Grants Committee. The increased emphasis is to be welcomed, as this helps to establish us as a world-class institution.

The Faculty was very active, hosting several events, including a leadership symposium, 'Positioning Nursing and Midwifery Leaders for the 21st Century', in collaboration with PAHO/WHO by the School of Nursing; a World Sight Day public symposium, 'The Integrated Eye Care Team – Protecting our Nation's Sight'; and a national symposium on Midwifery by the School of Nursing and the Trinidad and Tobago Association of Midwives. The Faculty hosted a Distinguished lecture by **Dr Ian Hosein**, in collaboration with the Ministry of Health, titled, 'Antimicrobial Resistance'. The School of Nursing, in collaboration with the International Outreach Health Educators, hosted a nursing leadership symposium themed, 'Mission Possible', and **Professor Jaipaul Singh**, Professor of Physiology, University of Central Lancashire, delivered lecture on 'Cardiomyopathies, Diabetes and Exercise'.

The Faculty also hosted a World Cancer day lecture, 'The Status of Childhood Cancer in Trinidad and Tobago' by **Dr Curt Bodkyn**, and **Dr Desiree Murray** produced a special promotional video, 'Preventing Blindness – Part 1', in observance of World Glaucoma Week.

In response to a proposal submitted by **Professor Rhoda Reddock**, then Deputy Principal, St. Augustine Campus to the Minister of Rural Development and Local Government regarding 'Collaboration between The UWI, St. Augustine Service Learning and Community Engagement Programme and the Ministry of Rural Development and Local Government', the Faculty began collaborating with the Tunapuna/Piarco Regional Corporation (TPRC) to deliver the Faculty initiative in community engagement.

To boost its research potential, the Faculty appointed a Professor of Research and Biostatistics, **Professor Donald Simeon**, who delivered a Faculty lecture on, 'Research at

FMS: Current Status and Future Directions'. Also, **Professor Michael Clarke**, from the **University of Western Ontario** was invited to visit the Faculty for one week, during which he met with several stakeholders and delivered a lecture on, 'A Health Systems Approach to Public Health Research'.

Enrolment

Department of Clinical Surgical Sciences

The Obstetrics and Gynaecology Unit has been severely understaffed, which negatively impacted both postgraduate and undergraduate students. Additionally, students complained that moving from hospital to hospital led to significant wastage of time. The Department recruited eight part-time lecturers from experienced private practitioners; most of whom came voluntarily. With this complement, the Department was able to make each facility to which students were assigned self-sufficient.

The UWI School of Nursing (UWISoN)

The BSc Nursing (pre-registration) programme saw a 16% increase in enrolment. This may have been the result of the BSc Nursing (pre-registration) programme's entry criteria, which is currently only five CXC/CSEC passes. In addition, the programme is now GATE funded. The MSc Nursing programme saw a 21% decrease. The challenge here was mainly with the timely dissemination of offer letters, and the acquisition of funding from various countries leading to offers being deferred.

Student Achievement

School of Dentistry

Outstanding Undergraduate Students

Dr Jenai Lowe: Best overall performance for the DDS programme, best performance in DDS Restorative Dental Sciences, best performance in DDS Child Dental Health, and best performance in DDS Dental Public Health.

Dr Scott Pegus: Best performance in DDS Oral Diseases.

Saneve Allahar: Best overall performance for the BSc Dental Hygiene/Dental Therapy programme.

FACULTY OF MEDICAL SCIENCES

The UWI School of Nursing (UWISoN)

Outstanding Students

Mary Ramiakhan-Roopnarine: Administration

Nirvani Jahorie-Boodram: Administration

Greer Bain-Bedeshi: Education

Mazie Dangleben: Education

Crystal Gonzales-Kemnele: Oncology

School of Pharmacy

Outstanding Students

Jessica Roman: Year 1

Giselle Jack: Year 2

Sarah Bassaw: Year 3

Kerrine Humphrey: Year 4

Sharlene Mark: Mixed Mode

BSc Optometry Programme

Sofiyya Mohammed: Faculty Valedictorian

Melanie Ramsuchit: Best overall academic student

Sideeqa Mohammed: Best overall clinician

Graduation

School of Dentistry

The graduation rate for the Doctor of Dental Surgery programme improved from 52% in 2015/2016 to 82% in 2016/2017. The BSc Dental Hygiene/Dental Therapy (DHDT) programme had its first cohort of graduates.

Teaching and Learning

Department of Clinical Medical Sciences

During the 2016/2017 academic year, pulmonary audio-visual teaching materials were developed for the Diploma in the Management of HIV programme and a pilot study on electronic objective structured clinical examination (e-OSCE) was conducted in Years 4 and 5 for Adult Medicine and Paediatrics clerkship examinations. A post-registration programme for Paediatric Oncology Nursing was developed and 28 scholarships were awarded in the first two years for students from participating countries.

Two new OSCE clinical skills stations (Performing ECG and ABG) for final MBBS Adult Medicine examinations were developed and piloted in the Year 5 clerkship examinations.

Telehealth teaching sites at Queen Elizabeth Hospital (Barbados), The UWI Hospital (Mona), Bustamante Children's Hospital (Jamaica), The UWI Telehealth Unit (Mount Hope, Trinidad) were developed or enhanced during the year in review. These units support teaching for DM Paediatric residents and nursing students.

Department of Para-Clinical Sciences

The Certificate course in Infection Prevention and Control was offered to the first cohort from April 6-June 29, 2017. The Department is currently conducting an internal audit of its courses (curriculum and assessments) to align with the other campuses and to better reflect the recently introduced GPA system. This will result in the merging/splitting of courses and revised credit weightings. The Department also instituted a specialty board for Family Medicine, Primary Care, and Public Health. New postgraduate programmes are being developed involving clinical and diagnostic medicine and the Faculty is reviewing the scope of training in the Master of Public Health (MPH) programme so as to contribute to a new generation of trained MPH specialists and clinical pathologists in the various sub-disciplines.

School of Dentistry

The Centre for Medical Sciences Education conducted a MCQ workshop in September/October 2016 for academic staff.

The UWI School of Nursing (UWISoN)

In September 2016, the first cohort of 13 students started the post-registration Diploma in Paediatric Haematology/Oncology programme (in collaboration with SickKids Children's Hospital, Canada Caribbean Initiative). The second cohort started in May 2017 with 13 students. The BSc Nursing (pre-registration) programme received GATE approval.

The UWI School of Nursing engaged in a number of activities aimed at improving the quality of teaching/learning/throughput and their impact. These included a Curriculum Retreat, an Item Writing Workshop, and a MCQ-Testing Higher Order Learning in Nursing.

The School also engaged in a number of teaching and learning initiatives that included community interactions and service. Among them, a one-day symposium, on 'Positioning Nursing and Midwifery Leaders for the 21st Century', a two-day Midwifery symposium and Leadership in Nursing and Midwifery symposium in 2017. **Dr Esther Daniel** and **Hazel O'Garro** were nominated to support the delivery of a Certificate course in Infection Prevention and Control.

From May 23 to June 2, 2017, a group of 24 persons, including two members of faculty from **Spelman College, USA** arrived in Trinidad for an international attachment. The students toured the Faculty of Medical Sciences and visited various health institutions including the Eric Williams Medical Sciences Complex, St. James Medical Complex and San Fernando Teaching Hospital. The team also interacted with Year 2 and Year 3 UWISoN students, with presentations by both UWISoN and Spelman College students. There was also a clinical practicum for the BSc Nursing (pre- and post-registration students).

School of Veterinary Medicine

A new Doctor of Veterinary Medicine (DVM) curriculum was introduced during the 2016/2017 academic year. A new postgraduate programme, MPhil in Veterinary Pathology was also introduced. The Department of Clinical Veterinary Sciences worked closely with the Centre for Medical Sciences Education in developing OSCE rubrics for the evaluation of clinical skills.

Research and Innovation

Department of Pre-Clinical Sciences

Co-Investigator: Professor Christine Carrington

Protective B-Cell Responses in Chikungunya Virus Infection.

With project funding from the NIH National Institute for Allergy and Infectious Disease in the amount of US\$211,117/TT\$1,424,523.

COMPLETED PROJECTS

Professor S. Nayak

Demographic and Lifestyle Factors that Affect Hba1c Awareness Amongst Type II Diabetic Patients in Trinidad.

To determine the awareness of HbA1c values and correlate this with educational levels, dietary intake and physical activity in Type II diabetic population of Trinidad. Of the respondents, 41.9% were aware of the term HbA1c whilst 58.1% were unaware. Statistically, there were positive correlations ($p < 0.05$) between HbA1c awareness and level of education received by Type II diabetic patients as well as between HbA1c awareness and intensity of exercise performed ($p < 0.05$). However, the relationship between dietary breakfast choices and HbA1c awareness was not significant. A significant correlation was established between HbA1c awareness, intensity of exercise and the level of education obtained.

The Role of Serum Protein Electrophoresis in the Detection of Multiple Myeloma: A Diagnostic Interpretation of Patients with Varied Immunoglobulins.

To determine the relationship between Serum Protein Electrophoresis (SPEP) and Serum Immunoglobulin profiles of patients with Multiple Myeloma (MM). There was not satisfactory data to determine a correlation between SPEP and Serum Immunoglobulin profiles in patients with MM, but the study provides sufficient data to indicate the possibility of linkages in greater sample sizes. Additionally, SPEP and Serum Immunoglobulin profiles can be effective tools in the screening process and early detection of MM but further testing is necessary before the final diagnosis.

FACULTY OF MEDICAL SCIENCES

Department of Clinical Medical Sciences

Professor Surujpaul Teelucksingh

The BMI Five-Year Cohort Study (2012–2017)

The Body Mass Index (BMI) and its associated health and educational effects in secondary school age students in a selected population of Trinidad and Tobago – a prospective cohort study was conducted from 2012 to 2017. The fifth and final year of data collection was done in November 2016. The BMI Study has now completed a total of five consecutive years of data on students who began their secondary school education in five schools in East Trinidad in 2012. The schools are Hillview College, El Dorado East Secondary School, El Dorado West Secondary School, St. Augustine Girls High School and St. Augustine Secondary School.

School of Pharmacy

Dr Rian Extavour and Dr Gillian Allison

Student Perceptions and Experiences with Blended Learning and Adaptive Learning Technologies in Pharmacy and Nursing Education.

The researchers identified strengths and weaknesses with the introduction of blended learning in a pharmacy seminar course, and with the application of adaptive learning tools in teaching basic health sciences to pharmacy students and teaching pharmacology to nursing students. The information has been used to determine future modifications to the courses, including the use of individual assessments via quizzes to promote engagement. From this project, a poster and a peer-reviewed article have been presented and published respectively. A second article is in press.

School of Veterinary Medicine

Dr Carla Phillips

Intensive Tank-Based Shrimp Culture: Macrobrachium Rosenbergii and Penaeus Vannamei.

The project undertaken in collaboration with the Seafood Industry Development Company (SIDC) guided the Government of the Republic of Trinidad and Tobago in developing the national aquaculture development strategy.

An Investigation into the Prevalence of Taura Syndrome Virus (TSV) and White Spot Syndrome Virus (WSSV) in Local Penaeid Shrimp: A 2001 Versus 2017 Comparison.

This study provides baseline information to the Fisheries Division of the Ministry of Agriculture, Land and Fisheries on the disease status of the marine shrimp population in the Trinidad and Tobago fisheries sector.

ONGOING PROJECTS

Department of Pre-Clinical Sciences

Professor Christine Carrington

Characterisation of Emerging Viruses and Protective Immune Responses Against Them in Humans.

The aim of this study is to detect and characterise emerging viruses associated with acute undifferentiated fevers and to characterise immune responses against them with a view to developing novel diagnostic tests, therapeutics and vaccines.

Zika Virus (ZIKV) Prevalence and Outcomes.

This study aims to characterise the ZIKV in circulation in Trinidad and Tobago, track changes in ZIKV seroprevalence in pregnant women and in selected populations in order to estimate rates of epidemic growth, and investigate associations between ZIKV infection and adverse pregnancy outcomes in order to estimate risk and identify risk factors.

Department of Clinical Medical Sciences

Dr Curt Bodkyn

The SickKids International Caribbean Initiative (SCI) – Caribbean Collaboration in Cancer and Blood Disorders.

The main objective is to build capacity for the delivery of care for children with cancer and blood disorders in the Caribbean region.

Dr Nelleen Baboolal and Dr Gershwin Davis

Prevalence of Dementia In Trinidad and Tobago and The Socioeconomic Impact; Mitigating the Tsunami of Dementia.

This project is in the second phase. The study has been completed in Trinidad where a 23.4% prevalence of dementia has been found in the over-70 population. The

research is going to be replicated in Tobago; which should be completed by September 2018. The fundamental purpose of the second phase of the project is to determine the impact of dementia and its prevalence in persons aged 70 and above in all municipalities in Tobago. The results of this study will report on the associated cost and implications for the family and caregivers, health care system and economy of Tobago.

Professor Terence Seemungal

The Burden of Obstructive Lung Disease (BOLD TT).

The study has successfully completed data collection and post bronchodilator spirometry tests in over 1,400 participants ≥ 40 years by conducting household visits across Trinidad and Tobago using a stratified cluster sampling framework. Preliminary analysis of findings was completed in March 2017. A national symposium is being planned to share major technical and clinical findings and research papers are ready for submission.

The Health in Pregnancy in Trinidad and Tobago (HiPTT).

The Helen Bhagwansingh Diabetes Education Research and Prevention Institute (DERPi) funds the implementation of a proof of concept study to demonstrate the effectiveness and determine the logistical factors involved for the universal screening for diabetes during pregnancy. To date the pilot study has been completed in one private medical facility (Medical Associates Hospital in St. Joseph and Chaguanas) and is nearing completion at the Sangre Grande Public Hospital. Approximately 600 pregnant women are currently enrolled and have been tested for diabetes. Preliminary analysis indicates that 11% of women had abnormal blood glucose in pregnancy. The pilot data have guided the discussion on relevant protocols and guidelines for the screening and management of diabetes in pregnancy in the local setting.

Outreach

Department of Clinical Surgical Sciences

The Department, in conjunction with many associations, hosted several meetings, workshops, conferences and seminars. These associations included – but are not limited to – American College of Surgeons Trinidad and Tobago Chapter, Caribbean Association of Endoscopic Surgeons, Caribbean College of Surgeons, Caribbean Obesity Society, Society of Surgeons Trinidad and Tobago, Royal College of Surgeons England, American Board of Surgery, Trinidad and Tobago Medical Association, Caribbean Urology Association, and American Urology Association.

The Department also engaged in a number of training exercises, namely the training of Skye football organisation coaches on basic life support, common illnesses and common injuries in children and, training of nurses in the trauma training programme (General Emergency Medicine) and paediatrics training programme (Paediatric Emergency Medicine).

Department of Para-Clinical Sciences

Diagnostic services were offered to North-Central Regional Health Authority (NCRHA) patients, which included immunofluorescence; particularly renal and skin pathology and immunohistochemistry testing in cancer care.

The University of the West Indies Blood Donor Foundation held three successful voluntary non-remunerated blood drives at the Eric Williams Medical Sciences Complex over the period. These yielded 98, 83 and 110 units of whole blood which were added to the hospital's and nation's blood supply for use by any patient in need. These events represented successful collaboration with the NCRHA and blood collection in the manner recommended by the Pan American Health Organisation/World Health Organisation for safety and adequacy. The donors were predominantly young (52% <25 years) and 52% were female. The rate of blood donor deferrals was <10% compared to >40% for the national blood donation system and the prevalence of positive tests transfusion transmissible in infections was 0.7% compared to 2.2% nationally.

FACULTY OF MEDICAL SCIENCES

Department of Clinical Medical Sciences

The academic staff of the Department offered Psychiatry, Cardiology, Radiology, Oncology, and Paediatric, Neurology services at various hospitals and outpatient clinics.

School of Dentistry

The Year 4 DDS students visited Felicity Primary school to conduct dental health education. These visits comprised group talks, dental puppets, tooth models, posters and dental themed plays reinforcing oral hygiene and healthy eating. Colgate sponsored toothbrush and toothpaste packs for the children and teachers. The School of Dentistry partnered with Rotary Club of Princes Town, and the Cerebral Palsy Association of Trinidad and Tobago to provide free screening and treatment of cerebral palsy patients in February and March 2017.

The DDS interns, and BSc DHDT students provided screening to the Special Olympic athletes in April 2017. In November 2016, Dr Dagmar Elsie Slot delivered a public lecture to the dental fraternity, 'Evidence Based Dental Hygiene', sponsored by TGC Dental.

Other public lectures to the dental fraternity during the period which were sponsored by **Medpro** included **Dr Simon Whawell's**, 'Invasion of Host Cells by Porphyromonas Gingivalis'; **Dr Stephen MacLeod**, 'Wire Osteosynthesis to External Fixation to Rigid Internal Fixation'; **Professor Alan Gilmour's**, 'Undergraduate Restorative Experience in Cardiff; Caries Management', and **Professor David Bearn's**, 'Patient Centred Outcomes: Who Really Wants To Know?'

The UWI School of Nursing (UWISoN)

The School of Nursing engaged in a Christmas hamper distribution for children and families in the Grande Riviere community after the disastrous flooding experience in November 2016. The School also provided a Health Caravan in Grande Riviere, where services such as health checks (diabetes, blood pressure, etc.), health education, physical assessment (eyes, teeth) were provided.

The Ministry of Health extended an invitation to the School to assist with exploring the possibilities for providing Midwifery Services to the Government of the Republic of Trinidad and Tobago.

Dr Silvia Cassiani, Nursing Advisor, PAHO/WHO, **Dr Erica Wheeler**, Human Resource for Health Advisor, PAHO/WHO and **Dr Edwin Bolastig**, Health Systems Advisor, PAHO/WHO visited the School to explore the possibility of establishing a PAHO/WHO Collaborating Centre for Nursing and Midwifery. The School collaborated with PAHO/WHO to host a two-day workshop for the updating of curricula for the Barbados Community College.

Professors Abiodun Adesiyun and Christopher Oura of the School of Veterinary Medicine delivered lectures to UWISoN students, 'Community Engagement: Concepts, Strategies and Benefits', and 'One Health: The Importance of Working Together Across Disciplines'.

School of Pharmacy

The School collaborated with the **Trinidad and Tobago Association of Pharmacy Students** and the Ministry of Health in celebration of World Diabetes Day in November 2016 at the Couva Health Facility. The School also participated in the 6th Annual Professional Services Day celebration in March 2017 at the North Eastern Community Centre, Sangre Grande, and in April 2017 at the Arima New Government Primary School. This event was organised by the **Trinidad and Tobago Group of Professional Associations Limited**, in collaboration with The UWI, St. Augustine Campus, **University Alumni Association** and **Eastern Regional Health Authority**.

School of Veterinary Medicine

Professor Oura's One Health, One Caribbean, One Love Project came to a close in July 2017 but provided outreach and professional engagement on the theme through the One Health Leadership series. New initiatives included further collaboration with CIRAD (the French Agricultural Research Centre for International Development) and The

UWI for a dynamic project involving screening of pathogens in ticks. A team from CIRAD visited the School in April and held talks with graduate students, the Dean and the Deputy Dean, Graduate Studies and Research. The team presented the work of CIRAD and details of the collaboration with the School on the Domotick project.

Dr C. Phillips assisted BPTT in the development of an oiled wildlife response and medical management strategy, with the School to serve as the primary medical service provider for oiled wildlife in the event of oil spills

A workshop, 'Approaches to Management of Lameness and Common Orthopaedic Problems in Small Animal Practice' by **Professor Gert Breur**, Professor of Small Animal Surgery, Director of the *Center for Comparative Translational Research* and *Director of the Pre-Clinical Research Laboratory*, Purdue University, USA was successfully conducted in March-April 2017 at the School. Dr Subburamanujam Ayyappan was the co-ordinator of the workshop, which attracted 27 participants. The School is an approved provider of the American Association of Veterinary State Boards (AAVSB) Registry of Approved Continuing Education (RACE) credits. This workshop was approved by the AAVSB RACE to offer a total of 9.00 CE credits to veterinarians and/or 9.00 Veterinary Technician CE credits.

BSC Optometry Programme

The **National Eye Survey of Trinidad and Tobago (NESTT)** has now come to an end with the last batch of genetic material being sent to Duke University, and a final report sent to the Ministry of Health. Work on eye care in the community will begin on receipt of the authenticated data from the study. The Optometry programme also worked with the Special Olympics organisation to perform eye screening.

Financial

Department of Para-Clinical Sciences

The Department generated income by the provision of services such as Immunohistochemistry in Cancer Testing (TT\$43,182.02); and Renal Immunofluorescence for Nephrology (TT\$214,145.19).

Department of Clinical Surgical Sciences

The Basic Surgical Skills (Intercollegiate) course, ABSITE examination, Intermediate Laparoscopic Workshop together achieved a net profit of TT\$585,668.48. The APLS courses realised a net income of TT\$5,837.84 and a profit of TT\$2,500 was made from hosting the International Council of Ophthalmology (ICO) examinations.

School of Dentistry

The School engaged in a number of cost-cutting initiatives, these included the transfer of annual costs of instruments (student hand pieces) and equipment (burs) to students. Annual cost saving per year for burs and supplies amounted to approx. US\$150,000; as well as a reduction of overtime; a decrease of unnecessary hours of part-time lecturers and a reduction of wastage of consumables in the teaching clinics.

Projected Activities for 2017/2018

ACCESS

Department of Para-Clinical Sciences

In the area of access, the Department intends to expand online learning through multi-modal teaching to connect with students, as well as to introduce best practices from international renowned medical faculty via the use of videos, simulation role plays, demonstrations, case studies and panel discussions.

Department of Clinical Medical Sciences

The Diabetes Education Research and Prevention Institute (DERPI) intends to collaborate with the Trinidad and Tobago Medical Association (TTMA) to host training and continuous medical education (CMEs) sessions across Trinidad and Tobago on diabetes in pregnancy using tools including the HiPTT app (software developed and tested in the pilot). DERPI is also set to publish its website for Health in Pregnancy.

School of Dentistry

The School intends to engage in a curriculum review exercise during the 2017/2018 academic year. It also plans to introduce an Annual Career Day, as well as an elective and new course, 'Practice Management, The Dental Team and Continuous Quality Improvement'. Plans have been developed to build research capacity through the establishment of the Caribbean Oral Health Research Unit.

AGILITY

Department of Para-Clinical Sciences

The Department is developing a Business and Commercialisation plan to expand the diagnostic services currently being offered.

Introduction of additional diagnostic services and hosting of workshops in the areas of Direct Immunofluorescence; Breast Cancer Receptors; Tumour Immunohistochemistry; Transmission Electron Microscopy; Rapid Histology and Special Histochemical Stains; Frozen Sections and Molecular Diagnostics is also part of the plan for the 2017/2018 academic year.

School of Dentistry

The School of Dentistry plans to engage in community service in Blanchisseuse in the coming academic year. The Dental Students Association of Trinidad and Tobago will also be working with the Diabetes Association of Trinidad and Tobago. In addition, the School has a number of planned activities to generate supplemental income. These include Internships; Fee paying patients; Histopathology Services; Radiology Services and the hosting of Dental Council examinations and other courses.

ALIGNMENT

School of Dentistry

The School plans to engage in collaborative research with UTT (Drs Marchan, Hoyte), PAHO (Professor Naidu) and collaborate with the Dental Council and the Ministry of Health regarding policy making and dental legislation.

The UWI School of Nursing (UWISoN)

Collaboration with a number of universities and organisations is among the plans for the School within the new academic year. Among them, collaboration with Duke University to explore opportunities for international student exchange, as well as faculty research; collaboration with the WHO/PAHO Collaborating Centre for International Nursing Development in Primary Health Care at the University of Illinois at Chicago (UIC), USA to support capacity development; and research focusing on primary health care. Additional collaborations with the WHO/PAHO Collaborating Centre for Leadership and Policy at Dalhousie University, and PAHO/WHO for the development of competence in leadership and management among nurse leadership in the Caribbean is also intended.

The School also has plans to focus on a number of programmes. The launch of the Registered Nurse to BSc Nursing programme (finishing degree), the revised MSc with additional specialisation in Community Health, as well as the completion and launch of the BSc Midwifery programme are on the books for the 2017/2018 academic year.

The School also intends to offer a BSc Paramedical Sciences programme and host a symposium in collaboration with the Optometry Unit.

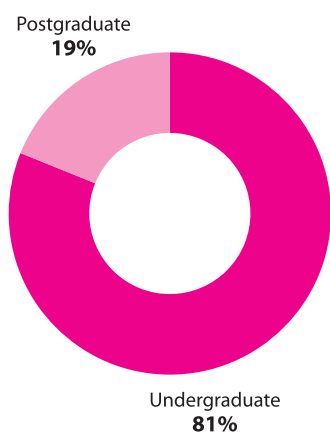
BSc Optometry Programme

The installation of a state-of-the-art Low Vision centre on the compound to extend the work of the programme in the visually challenged community is planned for the new year, as well as the openings of an optical dispensing facility. The delivery of an equipped bus from the Ministry of Health to further increase the reach to rural areas is also expected. Proposals for new programmes are to be submitted for approvals for the MSc and BSc Opticianry, and the BSc Orthoptics. A review of the syllabus to adapt it to the North American syllabus is intended. The existing programme will then change to the Doctor of Optometry degree, which would make it more attractive internationally.

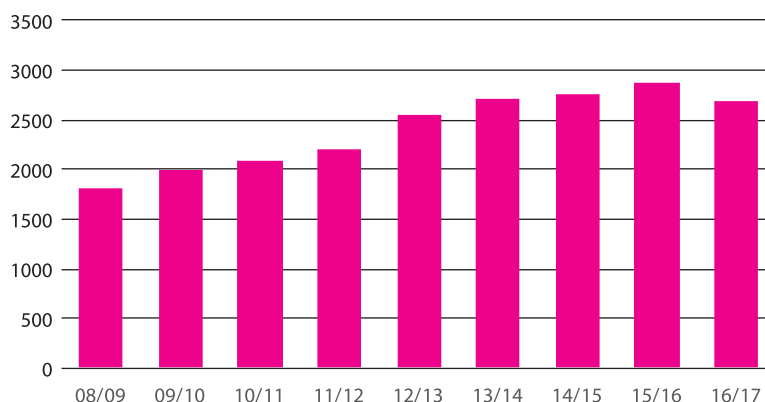
**Distinguished Visitors
Department of Para-Clinical Sciences**

Professor Jayaratne Padman
Professor of Pathology and Molecular Medicine
McMasters University, Ontario, Canada

**Graduation
Undergraduate vs Postgraduate
2016 / 2017**



**Trend In Enrolment
2008 – 2017**





Dr Brian N. Cockburn
Faculty Dean

Executive Summary

The Faculty of Science and Technology (FST) continued to adapt to the changing needs of stakeholders. While new undergraduate intake decreased by 15%, the intake in the Pre-Science (N1) programme remained fairly constant. The new postgraduate intake increased from 119 in 2015/2016 to 176 in 2016/2017. The total number of undergraduate students fell by 10%, but the total number of postgraduate students increased by 14%. Overall, the student number in the FST in 2016/2017 was 3,174.

Three hundred and seventy-four students graduated with BSc degrees, including 45 (12%) with First Class Honours. Sixt-eight students graduated with taught Master's degrees, including 41 from the MSc in Occupational and Environmental Safety and Health. The introduction of Computer Science I and II is set to provide an additional path for matriculation into the Faculty's degree programmes.

The FST continued to make research accessible to external stakeholders, through updating museum displays and departmental websites, which catalogue staff activities. A snapshot of research projects readily demonstrate the focus of the FST in conducting research designed for national and regional impact, including assessing the resilience to climate change of a selection of horticultural crops and cocoa, developing a hybrid production system for Caribbean hot peppers, bioprospecting for novel drugs from marine organisms, and applying plant conservation physiology methods to the management of protected areas.

The **Department of Physics**, as part of its RDI funded project "Capacity Building and Research on Smart Grid Technology in the Caribbean Region", hosted a Smart Grid Cyber Security Training Programme on August 5, 2016 with a target audience of Managers and Engineers of the Trinidad and Tobago Electricity Commission (T&TEC), policymakers at the Ministry of Energy and Energy Industries, the Regulatory Industry Commission (RIC), the Telecommunication

Authority of Trinidad and Tobago, the Ministry of Education and researchers in the area of smart-grid, cyber security and renewable energy.

In August 2016, the **Department of Life Sciences** (DLS) organised a workshop on “Bacterial antibiotic resistance and new molecular methods for identification of antibiotic resistance”, and in June 2017, the department organised a workshop for the Biodiversity Information for Development (BID) project for the Global Biodiversity Information Facility. The latter comprised a four-day capacity enhancement training workshop, and a two-day regional meeting. The DLS also hosted the “International Conference on Integrated Disease Management in Tropical Vegetables”, on June 16 and 17, 2016 at the St. Augustine Campus.

The **Department of Chemistry** conducted a training workshop for laboratory personnel at the University of Guyana. Technical services were provided for the development of a hazardous waste management system and appropriate faculty training in OHSE. Training manuals and guidance documents for compliance and monitoring were developed for use in laboratories at the University of Guyana. This cooperation enables the development of a key system for the University of Guyana, and is part of a wider project funded by the World Bank. Additionally, The UWI has signed a tri-partied MOU with University of Guyana and Florida International University for collaboration on projects (research and implantation) in the area of renewable energy.

The Faculty’s ongoing attention to impactful curriculum reform, saw the introduction of the revised BSc Computer Science and BSc Information Technology programmes in September 2016. Significant progress was made in developing online versions of six courses in the BSc Information Technology programme to support blended-learning and/or an online version of the programme. The **Department of Chemistry** also developed courses with blended learning components, including flipped mode using online American Chemical Society webinars and other video content to share knowledge prior to the

classroom experience. The **Department of Mathematics and Statistics**, and the **Department of Computer Science and Information Technology** developed and offered the new self-financing MSc programme in Data Science, while the Department of Physics now offers the MSc in Biomedical Physics.

Departments are formally integrating internships into their degree programmes. Internships were arranged for students of the Biomedical Technology (BMET) special with Memoranda of Understanding being finalised with the **Trinidad and Tobago Bureau of Standards** and the **Ministry of Health**. Over the period of May to July 2017, a relationship was also fostered with the Department of Technical Services Partnership, **University of Vermont**, to allow foreign internships for BMET students who received the highest GPA in the programme. Students of the **Department of Computing and Information Technology** also benefitted from collaboration with the **First Citizens (FC) Group**, where internships were offered to approximately twenty students.

The FST is painstakingly putting measures in place to establish Industry Liaison Committees to ensure its programmes maintain the ability to not only respond but also to forecast stakeholder needs and scientific and technological trends. Greater engagement with alumni is a key part of this strategy.

Enrolment Department of Chemistry

The enrolment figures for the undergraduate programme for Level 1, Semester 1 for the academic year 2016/2017 was 212, and for postgraduate students, it was 47. Registration in the BSc Chemistry degree (Special) for 2015/2016 was seven and in 2016/2017, it decreased to five students. Also, the numbers registered in the Chemistry and Management (Special) for 2015/2016 was nine and for the period in review (2016/2017) it increased to 18. The Chemistry and Management degree typically has a registration of

FACULTY OF SCIENCE AND TECHNOLOGY

approximately 25 students – which is the limit for the course. These new numbers however, while they have increased in the last two academic years, still show a significant decrease in enrolment, which may be due to the fact that Chemistry's offerings have increased from two Minors to five. Therefore, students have more options from which to choose.

Department of Life Sciences

The Department of Life Sciences (DLS) continues to account for the largest share of students in the Faculty of Science and Technology with >33% of total enrolment. In general, the student numbers remain relatively high and appear to have stabilised from the increasing trends over the last four to five years. In 2016/2017, approximately 332 students pursued Year 1 Life Sciences courses, as compared to 380 in 2015/2016 and 280 in 2014/2015. All programmes appear to be holding numbers, including the six specialisations in the BSc Biology degree.

Postgraduate Enrolment

The Department of Life Sciences postgraduate enrolment included 19 PhDs, 37 MPhils and 47 MSc degrees.

Department of Mathematics and Statistics Department of Physics

Undergraduate enrolment for the Department of Physics included 43 BSc Physics (Major), eight Electronics (Major) and 49 students for Biomedical Technology. Postgraduate enrolment comprised one PhD student, four MPhil, 30 MSc RENT and 10 MSc BIPH.

Graduation

Department of Chemistry

The Department graduated four PhD and four MPhil students in Chemistry as compared to 2015/2016 where only one PhD student graduated. Throughput has increased as the Department continues to successfully use the Advisory Committee meetings, which are scheduled once per semester, to assess students' progress. Forty-one students also graduated with the MSc degree in Occupational and Environmental Safety and Health. Eleven graduated with Distinction. There was a drop in the number of students graduating at the undergraduate level. Forty-seven graduated as compared to 63 in 2015/2016. Many students are now taking the route of completing their degree in four years. However, out of the 45 who graduated eight were awarded First Class Honours.

Department of Mathematics and Statistics

The Department awarded 95 undergraduate degrees during the period under review. The breakdown of these degrees is as follows, BSc General (Mathematics) – 43 (six with First Class honours); BSc Actuarial Science (Special) – 45 (nine with First Class Honours); BSc Mathematics – three (two with First Class Honours) and BSc Statistics and Economics – four.

The Department awarded 12 postgraduate degrees during the period under review. The breakdown is as follows, MSc Mathematics – five (one with Distinction: **Kellie Chang**), PhD Mathematics – one (**Dayle Jogie**), MSc Statistics – six (five with Distinctions: **Videsh Jagroo, Karen Cupen, Dezr Khan, Devika Bhagwadin, and Kevan Rajaram**).

Department of Physics

The Department awarded a number of higher degrees during the period under review. These included 16 graduates from the second cohort of the MSc Renewable Energy Technology, one PhD (**Michelle Amoroso**) and two MPhils (**Chelsea Manwah** and **Shaazia Mohammed**).

Undergraduate Awards Department of Chemistry

Farrah Mathura: Southern System Limited Prize for the best graduating student in Chemistry.

Darron Williams: Massy Gas Products Trinidad Ltd, for best performance in Chemistry Year 3 and the Western Scientific Co. Ltd. for the best performance in Chemistry and Management Year 3.

Veda Ramcharita: Head of Department Prize for the most outstanding student performance in the MSc Occupational and Environmental Safety and Health Programme.

Department of Life Sciences

Wenesha Edwards: The Asa Wright Nature Centre Julian Duncan Prize for best performance in Environmental Sciences Year 1.

Anaadi Pooran: Republic Bank Limited Prize for best performance in Biology Year 1.

Kalifa Martin: Professor E.J. Duncan Prize for best research project – Plant Science.

Shawnella Chaitan: The Bryden PI Limited Prize for best performance in Biochemistry Year 2.

Natalia Santo: The Massy Group Prize for best performance in Biology Year 2.

Stefan Ghany: The Asa Wright Nature Centre Thomas Carr Prize for best performance in Environmental Science Year 2.

Farrah Mathura: Special Department Award for best performance in Biochemistry Year 3.

Zia Barnard: The Massy Group Prize for best performance in Biology Year 3, and the Special Department Prize for best performance in the Biotechnology Specialisation.

Gabrielle Fernandes: The Asa Wright Nature Centre Ian Lambie Prize for best performance in Environmental and Natural Resource Management Year 3.

Ahmad Khan: The Environment Management Authority (EMA) Prize for best research project – Zoology, and the Professor Dave Chadee Prize for best performance in the Ecology and Environmental Biology specialisation.

Niamh Vaughn: The Julian Kenny Prize in Natural History for final year student majoring in a Life Science discipline and displaying a strong interest in Natural History.

Kendra Pemberton: The Institute of Marine Affairs Prize for best performance in the Marine Biology specialisation.

Devanan Ramdath: The Special Department Prize for best performance in the Microbiology specialisation.

Shanaaz Ali Persad: The Trinidad and Tobago Field Naturalists' Club Dr Victor Quesnel Prize for best performance in the Plant Biology specialisation

Shenese Harrysingh: The Trinidad and Tobago Field Naturalists' Club Dr Elisha Tikasingh Prize for best performance in the Zoology specialisation.

The Faculty of Science and Technology Research Symposium Awards

Best Poster Presentations: Undergraduate Level (Group)

Robert Kanhai, Crystal-Ann Charles, Nicholyn Basanoo, Christianne Zakour: First prize.

Elliot Petkovic: Second prize.

Daniyl Jones, Darnell Solomon, Sariah Nathan and Bobby Sookhoo: Third prize.

Department of Mathematics and Statistics

Robert Andrew Guerin (First Class Honours): The Harold Ramkissoon Prize for the best Year 2 and 3 performance in Mathematics, and the TATIL Group Prize for the best Year 3 performance in Mathematics.

Nalini Dookie (First Class Honours): The Harold Ramkissoon Prize for the best Year 2 and 3 performance in Mathematics, and the TATIL Group Prize for the best Year 3 performance in Mathematics.

Christopher Sahadeo: The Powergen Prize for the best Year 1 performance in Mathematics.

Jacob Wihby: The Guardian Life of Trinidad and Tobago prize for the best Year 2 performance in Mathematics.

Cheyenne Seerattan: The Winston A. Richards Prize in Statistics for the best Year 2 and 3 performance in Statistics.

Samuel Seepersad: Head of Department Prize for the best Year 1 performance in Actuarial Science.

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Patrick Herbert: Head of Department Prize for the Best Year 2 performance in Actuarial Mathematics courses and best performance in Year 2 Actuarial Science; and the Professor Sam Broverman Prize for the Year 2 Actuarial Science student with the highest average mark for the courses Mathematics of Finance I and Mathematics of Finance II.

Orlena Thomas: Head of Department Prize for the best performance in Year 3 Actuarial Science.

Postgraduate Awards Department of Chemistry

PhD

Canya Benjamin

Amelia Boland

Tresha Dobson

Reignier Jeffrey

MPhil

Famida Ali

Ashaki Andrews

Amanda Rampersad

Tahirah Sanderson

Department of Life Sciences

Mia Avril: MPhil Environmental Biology

Hema Ramdia: MPhil Plant Science

Maurice Rawlins: PhD Environmental Biology

Lambert Motilal: PhD Plant Science

Runako Gittens: Postgraduate Diploma in Biodiversity Conservation and Sustainable Development in the Caribbean

MSc Biodiversity Conservation and Sustainable Development in the Caribbean

Carrie Lezama (Distinction)

Hannah Madden (Distinction)

Brendan Mastay (Distinction)

Sharmila Ganpat (Distinction)

Soeraya Mangalsing (Distinction)

Letisha Pende

William Young

Rachel Budhai

Ruvie Pitavoqa

Richard Sorrillo

Candace Radgman

Laura Aguado-Clemente

Sharmila Tolan-Rampersad

The Faculty of Science and Technology Research Symposium Awards

Postgraduate Level

Judy Ramsoondar: First prize

Rhonda Latchoo: Second prize

Best Oral Presentations

MSc

Candace Radgman: First prize

Sharmila Tolan-Rampersad: Second prize

Carrie A. Lezama: Third prize

MPhil/PhD

Antonio Ramkissoo: First prize

Linton L. Arneaud: Second prize

Delezia S. Singh: Third prize

Video presentation

Mike G. Rutherford and Kimberly Chu Foon: First prize

Tshanna Roberts: Second prize

MSc in MATHEMATICS PRIZE

Kelli Chang: The Rose Marie Bissessarsingh-Mohais MSc in Mathematics Prize for the highest overall examination average in all core and elective courses in the MSc programme.

Department of Physics

Ariel S. Chitan: The Russell Barrow Memorial Prize in Astronomy for most initiative and effort in Astronomy outside the classroom.

Jesse B. Ramkalawan: The Vicar Enterprises Limited Prize for best Year 1 performance in Physics.

Kenichia A. Charles: The Azad W. Harripaul Prize for highest marks in Bioengineering; and the Diagnostic Nuclear Medicine Ltd Prize for the most outstanding student in Medical Physics.

Priscilla J. Sahadeo: The Berger Paints Trinidad Ltd. Prize for best Year 2 performance in Physics; The Bruno Mitchell Prize for best performance in Astrophysics.

Farrah B. Mathura: The PCS Nitrogen Prize for best Year 2 performance in Materials Science.

Curtis Collins: The Anthony Campbell Memorial Award for best performance in the Physics major research project.

Arione C. Rojas: Diagnostic Nuclear Medicine Ltd Prize for the most outstanding student in Medical Physics.

Kezia C. Baksh: The Frederick Ignatius Campayne Prize for best performance in Quantum Mechanics.

Nicole J. Burris: The AA Laquis Prize for highest overall marks in BMET 3000.

Teaching, Learning and Student Development Department of Chemistry

In January 2017, the Department introduced a new course: CHEM 3471 (Quality Assurance for Laboratories) as part of its commitment to promote continuous curriculum renewal. This course is now a core component of the revised Analytical Chemistry Minor that was implemented in 2013/2014. Experiential learning through short attachments to industry based companies/laboratories forms a key component of this course. CHEM 3471 will provide the knowledge and good practice required to produce quality and reliable laboratory results. The courses CHEM 3575 (Chemistry and Industry I), CHEM 3573 (Contemporary Chemistry) and CHEM 3579 (Chemistry and Industry II) were all run as partially blended in 2016/2017. Face to face sessions were supplemented with online lessons that had built-in self-assessment exercises and these were primarily focused on bridging the gap for missing requisite knowledge.

From June to August 2017 three students registered for the Major in Industrial Chemistry completed a 12-week internship at **PCS Nitrogen** in the Point Lisas Industrial Estate. This is the second time that PCS Nitrogen has been involved in the Department's Industrial Internship programme. PCS Nitrogen requested at least five students for the internship and accommodated all three students registered for this course. During the internship the students were trained in Health and Safety, as well as in over 12 analytical chemistry techniques.

Students registered for the new course CHEM 3471 (Quality Assurance for Laboratories) spent time at TTBS, Angostura Limited, Blue Waters, Sunshine Shacks and UWI Analytical Services Department. The students were engaged in activities leading to and maintaining Laboratory Quality Systems and ISO Accreditation.

The Chemistry Help Desk was once again operated for both semesters in a centralised location for six hours per week. Academic staff members from all sub-disciplines were available at each session to provide one-on-one assistance to all undergraduate Chemistry students with any questions pertaining to their course material and programme of study. The Help Desk operating hours and venue were well advertised on notice boards around the Faculty, the classroom, the myElearning course shells and the Department of Chemistry webpage.

The Department submitted its reports regarding the ACTT Continuing Accreditation Exercise. Data was collected on Graduate Studies Research, Innovation and Entrepreneurship, and on Standard 5.4: The institution's provision of opportunities for its faculty, administrative and other staff to enhance their capabilities.

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Chemistry Learning Centre

The Department has once again made available the online Chemistry Learning Centre on the Level I myElearning course shells. This initiative was implemented to support students in making the transition from high school to university-level learning, and to provide comprehensive learning support and tools for success through a variety of interactive materials for students to excel in the learning and application of chemistry. To fulfill this goal, the Chemistry Learning Centre provides students with a diverse assortment of resources on effective study strategies and time-management skills, including daily, weekly and semester planners and calendars, estimating weekly study hours and more. Positive feedback was received from the students who accessed and actively used these resources.

Math Remedial Sessions

Math Remedial sessions are normally run in the Level I CHEM 1070 lab in Semester 2 which provide students with revision of basic math skills to strengthen their foundation in Mathematics. Overall, the students found the sessions beneficial.

Tutor/Tutee System

This continues to be an under-utilised system despite widespread sensitisation by the Department of Chemistry.

Department of Mathematics and Statistics

The myElearning platform was used to improve the efficiency of the delivery of courses. Many lecturers now upload their lecture notes, tutorial sheets, solved problems and supplementary reading material for easy access to students. Tutors were appointed to continue the operation of a Help Desk. This provides additional assistance to Levels I and II students. This has been very beneficial to students who use the service.

Research and Innovation Department of Chemistry

For 2012-2017 the Department continued to focus on environmental protection and related issues, and developing materials, products and processes to support national/regional development in the areas of the agriculture food sector, health and wellness and industry.

Major Research Completed

Grace-Anne Bent

Development of a Chemical Profiling System of Volatile Flavour Components in Trinidad and Tobago Cocoa (Theobroma cacao L.).

MPhil student: **Ashaki Andrews**

Lebert Grierson and Richard Fairman

Isothermal Flow Microcalorimetric Investigation of Biological Activity and Determination of Thermokinetic Parameters for Two Novel Surfactant Series containing Cobalt Cage Head Groups.

PhD student: **Amelia Boland**

Anderson Maxwell

Isolation and Structural Elucidation of Secondary Metabolites from Pitch Lake Bacterial Isolate Bacillus Amylolquefaciens (UWI-W23).

PhD student: **Tresha Dobson**

Isolation of Anthocyanins and other flavonoids from the ornamental Anthurium andraeanum.

MPhil student: **Tahirah Sanderson**

Ramish Pingal

Investigation of Secondary Metabolites from Bacillus Pumilus UWI-F71 from the Caroni Swamp, Trinidad.

MPhil student: **Famida Ali**

Russel Ramsewak

Phytochemical Investigation of Tectona Grandis Leaves.

MPhil student: **Amanda Rampersad**

Gurdial Singh

Synthesis and Equilibrium Studies of 2, 3-di-O-benzyl xylose and 2, 3-di-O-benzyl ribose and their Application to Oligofuranoside Synthesis

PhD student: **Reignier Jeffrey**

Major Research in Progress**Denise Beckles and Shirin Haque**

A Chemical and Physical Profiling of Selected Mud Volcanoes In Trinidad for Purposes of Astrobiology

The mud volcanoes of Trinidad are possible analogues for those on other planets such as Mars. It is believed that study of the Trinidad mud volcanoes (chemistry, geology and biology) will provide information that could be relevant to the search for life on distant planets. The PhD dissertation was submitted for examination, and is currently being revised before the oral examination.

PhD student: **Riad Hosein**

Grace-Anne Bent

*Development of a Chemical Profiling System of Volatile Flavour Components in Trinidad and Tobago Cocoa (*Theobroma cacao* L.)*

MPhil student: **Ashaki Andrews** (MPhil Chemistry Awarded)

Richard Fairman and Lebert Grierson

The Synthesis of Amphiphilic Molecules with a Variety of Functional Heads for Use as Molecular Sensors, Transporters and Probes.

Richard Fairman

Theoretical Studies of Reaction Mechanisms with Ab Initio Computational Chemistry Methods.

Michael M. Forde

Formation and Role of Alkyl Hydroperoxides in the Oxidation of Methane Under Mild Aqueous Conditions

MPhil student: **Ashley St. Clair Smith**

In June 2017 the research team was awarded a **LAAMP Award** (Lightsources for Africa, the Americas and Middle-East Project) from the IUCr-IUPAP (International Union of Crystallography/International Council for Science) to facilitate training at the European Synchrotron Radiation Facility. This training will be undertaken in the 2017/2018 academic year and is essential to using advanced techniques for materials characterisation related to the project. The research visit will allow the team to complete high level EXAFS investigations of new metal loaded zeolites prepared at The UWI Department of Chemistry.

Department of Life Sciences

Research activities are concentrated in the areas of Small Island Biodiversity and Environmental Management, and Biotechnology and Molecular Biology. These programmes are geared towards local and regional sustainability and development, specifically in areas related to the environment, agriculture and human well-being. The major focal areas include:

Biodiversity and Ecosystem Services Management:

Quantification and valuation of biodiversity and ecosystem services provided to humans by forests, mangroves, savannahs coral reefs, rivers, freshwater wetlands. Mainstreaming ecosystem services valuation into government spatial planning, national accounting and eco-finance scheme.

Climate Change vulnerability, impact and adaptation:

Developing socio-economic climate change scenarios for important public health diseases, agricultural crops, biodiversity, ecosystem services, water availability and sea level rise.

Biotechnology for Plant Growth Improvement: Work is proceeding on developing genetically improved anthurium, hot pepper and sugar cane. Tissue culture techniques are being developed or improved for commercially important crops like cassava and sweet potato, as well as key ecological plant species for re-introduction into the wild.

Biotechnology for Sustainable Plant Health and Management: Development of sustainable disease management strategies to improve vegetable production towards self-sufficiency and food security in the Caribbean region. Novel methods of plant disease diagnosis are being developed and extracts of local seaweeds are being explored as bioelicitors for enhancing crop growth and yield.

Biotechnology for Sustainable Human Health: Research projects are in progress on important health issues affecting the Caribbean population including, metabolic diseases such as obesity and Type 2 diabetes mellitus. Research is also being conducted to develop rapid and high-throughput methods for detecting and characterising antibiotic resistance in bacterial pathogens of humans in Trinidad and Tobago. Both traditional and metagenomic approaches are also being used for research aimed at novel drug discovery from indigenous microflora.

Biotechnology for Environmental Sustainability: Plant and microbial based methods for remediating oil spills and oil contaminated soils are being investigated. Metagenomic based approaches are being applied to identify novel enzymes involved in bioremediation processes. Indigenous microbes are also being explored as biological control agents for managing of plant diseases. Additionally, biotechnological tools are being applied to assess genetic biodiversity and help in the development of conservation systems for Caribbean flora.

Other Major Research in Progress **Department of Computing and Information Technology**

AGRINETT RDI Project

During the year, the Department continued its involvement in the cluster-based RDI Fund project called AgriNeTT, which is a collaboration of Department of Computing and Information Technology researchers, with researchers from the Faculty of Food and Agriculture, the Ministry of Food Production, NAMDEVCO, and the farming community under the category, Technology and Society Enhancing Efficiency Competitiveness and Social Well-being. The project had completed two Open Data repositories, which are freely available online for institutions to upload their open data at <http://data.tt> and <http://maps.tt>

Three apps were developed and are freely available to the farming community and any other user through Google Play – AgriExpense, AgriMaps and AgriPrice. Two general meetings were held to evaluate users' feedback on apps being developed, as well as continue one-to-one evaluation of user-friendliness of apps with farmers in farms and markets, and institutions responsible in agri-data management. One Agricultural Data Forum was held during the year (February 2014-September 2015) to disseminate and educate stakeholders on the capabilities and uses of the three available apps to users. The project produced two MSc projects in Computing and Information Technology and served as a work-training platform for eight undergraduate DCIT students (second- and third-year students).

The AgriNeTT team collaborated with CARDI on two new initiatives, one on improving the Coconut Industry in the Caribbean and the other on an eLearning platform for Caribbean farmers in the Sheep and Goat Industry.

Department of Mathematics and Statistics

Research continued in Applied Mathematics (Fluid Mechanics, Mathematical modelling of predator- prey interactions and others, finite element method, analysis) and in statistics.

Department of Physics

The Department's research agenda includes Applied Physics and Interdisciplinary fields such as Renewable Energy and Environmental Physics, Materials Science, Medical Physics and Bioengineering, Electronics, and Quantum Physics and Astronomy.

Outreach

Department of Chemistry

Chemists in Action had a number of outreach activities during the period under review. These included the participation in orientation week, Mole Day Celebration, Lab coat and polo sales, as well as a number of seminars. There was an Analytical Chemistry seminar hosted by **Dr Denise Beckles**; a Materials Chemistry seminar hosted by **Dr Ricard Taylor**, an Industrial Chemistry seminar hosted by **Dr Michael Forde** and a seminar on 'becoming a postgraduate Chemistry student' also hosted by **Dr Richard Taylor**.

Cross Faculty Relationships

The Department maintained and developed a number of cross faculty relationships with the **School of Veterinary Medicine**; the **School of Pharmacy**, the **Department of Civil and Environmental Engineering** and the **Department of Mechanical Engineering**.

Links with Other Universities and Local/Regional and/or International Organisations

Dr Michael Forde is working with the Tunapuna/Piarco Regional Corporation in the development of a project to use discarded tyres in road paving. This project will reduce the amount of tyre waste, re-use waste rubber as a resource and reduce the requirement for new road paving material, while increasing the lifetime of the road. This project is also a cross faculty one, as **Dr Rean Maharaj** from the Faculty of Engineering is also involved.

Drs Cox and Beckles established a pilot system for active leachate treatment for SWMCOL in response to the report on the Guanapo landfill contamination. Artificial wetland was constructed to assist with bio treatment of the leachate.

A training workshop was conducted by **Drs Michael Forde and Ramish Pingal** for laboratory personnel at the University of Guyana. Technical services were provided for the development of a hazardous waste management system and appropriate faculty training in OHSE. Training manuals and guidance documents for compliance and monitoring were developed for use in laboratories at the University of Guyana. This cooperation enables the development of a key system for the University of Guyana, and is part of a wider project funded by the World Bank. Additionally, out of the technical cooperation The UWI has signed a tri-partied MOU with University of Guyana and Florida International University for collaboration on projects (research and implantation) in the broadly defined area of renewable energy. Dr Forde is the contact point for this MOU and has already submitted a project proposal in July 2017, along with the other parties, to the UAE-Caribbean Renewable Energy Fund. The project is under consideration.

Conferences and Seminars

Professor Babur Chowdhry from the University of Greenwich held a talk entitled, *Adventures in Chemistry* on September 9, 2016. His work centres on experimental thermodynamics using, among other techniques, high sensitivity differential scanning calorimetry. He was also the external examiner for one of the Department's PhD students.

Professor Ei-Ichi Negishi, the 2010 Chemistry Nobel Prize Winner, was invited to give a lecture on September 22, 2016 to the staff and postgraduate students. His research focused on *Life-Long Investigations of Transition Metal-Catalysed Organometallic Reactions for Organic Synthesis*. **Dr Richard Taylor**, in conjunction with **CARISCIENCE** made the seminar possible.

Dr Michael Patane, Chief Scientific Officer at Mitobridge, Inc., Cambridge, Massachusetts was invited by Dr Mohindra Seepersaud to give a talk to staff and postgraduate students on November 24, 2016 on "*MTB-1: A Potential New Therapeutic for Cuchennes's Muscular Dystrophy*".

FACULTY OF SCIENCE AND TECHNOLOGY

Professor Peter Pulay, renowned scientist in Theoretical Chemistry, from the University of Arkansas, USA, visited the Department on collaborative research and gave a seminar on February 17, 2017 entitled, *Teaching Molecular Electronic Structure Theory Using Graphical Representations*. Dr Richard Fairman was responsible for organising the visit and seminar.

Professor Finian Leeper, Professor from the University of Cambridge, conducted a seminar on May 4, 2017 entitled, *Bioorthogonal Chemistry for Cancer Imaging*. He was also the external examiner for one of the Department's PhD students.

Department of Life Sciences

Mike Rutherford organised a workshop for the Biodiversity Information for Development (BID) project for the **Global Biodiversity Information Facility**. This consisted of a four-day capacity enhancement training workshop, and a two-day regional meeting. This was held in June 22-27, 2017. The UWI Zoology Museum, under the coordination of Mr Rutherford, undertook several outreach visits to schools and also hosted hundreds of visitors from official campus tours and private groups over the 2016/2017 period.

A workshop on "Bacterial Antibiotic Resistance and New Molecular Methods for Identification of Antibiotic Resistance", was held on August 16, 2016.

Links with Other Universities and Local and/or International Organisations

The Department's **MSc Biodiversity Conservation and Sustainable Development in the Caribbean** programme continues to maintain its partnership with the **University of Belize, Anton de Kom Universiteit Van Suriname** and the **University of Guyana** with the launch of the Department's first online MSc.

Mike G. Rutherford is an Advisor to the **National Museum and Art Gallery of Trinidad and Tobago** while others in the Department maintain research collaborations with several international institutions including:

- Department of Plant Pathology, University of Florida (**Dr Adesh Ramsubhag and Professor Jayaraj Jayaraman**)
- Pole de Protection des Plantes, CIRAD, Reunion (**Dr Adesh Ramsubhag and Professor Jayaraj Jayaraman**)
- The Intergovernmental Panel on Climate Change (**Professor John Agard**)
- The Stockholm Convention (**Professor John Agard**)
- University of Notre Dame (**Dr Azad Mohammed**)
- Simon Fraser University, Canada (**Professor Jayaraj Jayaraman**)
- Tamil Nadu Agricultural University (**Professor Jayaraj Jayaraman**)
- J. Craig Venter Institute (**Dr Adesh Ramsubhag**)

Conferences and Seminars Hosted

The DLS hosted the International Conference on "Integrated Disease Management in Tropical Vegetables," on June 16-17, 2016.

Department of Computing and Information Technology

The Department came together to host a **Hackathon** (coding event) as part of the NIHERST's *Girls in ICT* event on April 28, 2016. Staff developed the material, provided the robots and mentors to create an interactive programming session for the girls.

Kyle DeFreitas organised and/or participated in a number of outreach activities which included organising a community ICT web development class for teens in Lengua, a community on the outskirts of Princes Town; training in mobile application development for NIHERST at their 2017 Summer Camp; judging the International Telecommunications Union (ITU) Girls in ICT Competition, and conducting a mobile application development workshop for NIHERST for their Girl's in ICT event.

Conferences and Seminars Hosted

The Department held collaborative seminars and workshops outside of its MPhil and PhD students' seminars. When the Faculty of Science and Technology held its **Annual Research Symposium** in honour of the late **Professor Dave Chadee** on April 6, 2017, staff from the Department presented the following seminar: *Event Scheduling with Soft Constraints and On-Demand Re-Optimisation* by **Steffan Boodhoo**; *AgriMaps: Improving Site-Specific Land Management through Mobile Maps* by **Kiran Maharaj**, and *On the Multi-staged Influence Maximisation Problem* by **Inzamam Rahaman**.

Boot Camp

The Department held its **3rd Computer Science (CS)/ Information Technology (IT) Boot Camp** for prospective students in Computer Science and Information Technology from July 17-21, 2017. The camp was organised by staff from the Department, as well as a number of postgraduate and undergraduate students (who served as volunteers). The camp targeted secondary school students from Forms 4 to 6, and attracted 23 participants. The theme was *Code: The Glue that Connects Everything*.

Research has shown that CS education promotes the development of problem-solving skills and fosters innovation and creativity in students. These are the core principles behind the camp. From 9:00 am to 4:00 pm, the camp's participants were introduced to the power of CS via interactive sessions on Python programming, physical computing, robotics, and web design. Mentored by undergraduate and research students, campers got hands-on access to programmable robot cars and worked in small groups on exciting projects using the Raspberry PI micro-computer.

Student Competitions

(Teleios Codejam and Runtime Programming)

Kyle DeFreitas mentored four student teams who participated in the **2016 Teleios Codejam**. One of these teams from The UWI won 3rd place from among all tertiary-level universities offering ICT related degrees. 2016 marks the 4th year the DCIT has placed in the top three in this competition. He also helped organise the **UWI Computing Society (UWICS) Runtime Programming competition** held on March 16, 2017.

Student Engagement

Kyle DeFreitas organised and conducted weekly technologies training for UWI students. This training covered topics such as graph databases, augmented reality, web scraping, and semantic and sentiment analysis.

Department of Mathematics and Statistics

The Department continued to give talks to secondary school students on actuarial science and actively participated in the Faculty's outreach programme.

Department of Physics

The Department, as part of its RDI funded project "*Capacity Building and Research on Smart Grid Technology in the Caribbean Region*", also hosted a Smart Grid Cyber Security Training Programme on August 5, 2016 with a target audience of Managers and Engineers of the **Trinidad and Tobago Electricity Commission (T&TEC)**, policymakers at the **Ministry of Energy and Energy Industries**, the **Regulated Industries Commission (RIC)**, the **Telecommunication Authority of Trinidad and Tobago**, the **Ministry of Education** and researchers in the area of smart-grid, cyber security and renewable energy.

The **SAGHS Big Sister Project** paired alumnae from **St. Augustine Girls High School (SAGHS)**, who were staff in the Department of Physics (**Dr Xsitaaz Chadee** and **Chelsea Manwah**) with current students at the high school. The youngsters visited alumnae at the Department and got to see first-hand a day in the life of a Lecturer and Teaching

Assistant respectively. Additionally, the Department also continued to facilitate use of its laboratories by the Open Campus, and by secondary schools for tours and for conducting CSEC and CAPE Physics experiments.

Revenue Generating/Cost Containment Activities

Internal and external projects on the Campus used the **Department of Chemistry's** consulting and analytical services to a value of approximately TT\$28,700 during the period August 2016 to July 2017. The Department approved line item in the budget for a proposal with **Vet Med** to improve aquatic health standards at the cost of TT\$50,000.

External Grant funding secured by the **Department of Life Sciences** during the 2016/2017 period included US\$270,000 for the *Improving Forest and Protected Area Management in Trinidad and Tobago: Baseline Survey* (Funded by FAO/ Global Environment Facility; Principal Investigator: Mike Oatham); US\$ 80,000 for *Improving Forest Productivity in the Caribbean* (Funded by the FAO; Principal Investigator: Dr Mike Oatham); US\$57,000 for *Crop Resilience-Crop Suitability Modelling* (Funded by the Inter-American Development Bank (Part of a US\$172,000 fund for Pilot Programme for Climate Resilience in collaboration with The UWI Mona, Bodles Research Station); Activity Leader: Aidan Farrell); €20,000 for *Improving Biodiversity Data Accessibility in the Caribbean Countries of Trinidad and Tobago, Barbados and Suriname* (Funded by the Global Biodiversity Information Facility; Principal Investigator: Mike Rutherford).

The **Department of Physics** continued to generate income from the MSc in Renewable Energy Technology, which commenced in September 2013; Biomedical Physics, which started in September 2016; and the Electron Microscopic Unit, which began its operations in August 2015. In support of the University's mandate to implement cost saving measures and budget cuts in various areas, the Department is focusing on its paper usage, energy efficiency and the functioning of its workshops (electronics and woodworking). The Woodworking Workshop will

be attending to many of the Department's maintenance needs and the Electronics Workshop will troubleshoot UPS function ability campus-wide to attend to the batteries so that UPS units can continue to function over an extended period.

Projected Activities for 2017/2018

ACCESS

Department of Life Sciences

Staff in the Department will turn their attention to different areas. **M. Rutherford** will be spearheading the update of The UWI Zoology Museum displays, website, protocols and storage.

M. Oatham will undertake research in the following areas: *Determining the taxonomic relationship of the endemic Trinidadian species Polygala exserta (Polygalaceae) with the widespread P. adenophora; Determining the past and current relationship between populations of the neotropical palm Maurita flexuosa in Trinidad; Quantifying the inbreeding in populations of the dioecious palm Maurita flexuosa to determine the relationship between inter-specific competition and geneflow in tropical trees, and Investigating the social, economic and ecological requirements for ecosystem rehabilitation and restoration after agriculture and quarrying in Trinidad.* M. Oatham will also be preparing a field key for the native trees of Trinidad and Tobago. (CRP Grant).

Other intended areas of research by staff members include the following: *Developing a hybrid production system for Caribbean hot peppers (Dr W. Elibox); Bioprospecting for novel drugs from marine organism in Trinidad and Tobago (Dr J. Gobin); Assessment of resilience to climate change in a selection of horticultural crops and in cocoa, and Applying plant conservation physiology methods to protected area management (Dr A. Farrell); Evaluating in-vitro collection of cassava varieties for resistance to Superelongation disease and optimisation of antifungal treatments for cassava* (Dr Briggs and Dr Rouse-Miller).

Department of Mathematics and Statistics

The Department will be awaiting the GATE approval of the BSc Mathematics and Applied Statistics and BSc Statistics programmes. The Department will be working towards making the programme at The UWI certified as a Centre for Actuarial Excellence (CAE).

Department of Physics

Internships were arranged at the Regional Health Authorities and at the AA Laquis Trinidad Limited for the students of the Biomedical Technology (BMET) special with Memoranda of Understanding being finalised with the Trinidad and Tobago Bureau of Standards and the Ministry of Health. Over the period of May to July 2017, a relationship was also fostered between the Department of Technical Services Partnership of the University of Vermont to allow for foreign internships for BMET students who received the highest GPA in the programme. This arrangement will commence in the academic year 2017/2018.

ALIGNMENT

Department of Life Sciences

Academic programmes for the new academic year include the development and implementation of a system for joint delivery of programmes related to crop protection between the Department of Life Sciences, Faculty of Science and Technology and the Department of Food Production, Faculty of Food and Agriculture.

Research activities intended include *Developing diagnostic tools for Integrated Plant Disease Management (IDM) systems; Rapid diagnostic tools for identification of antibiotic resistance in human pathogens, and Identification and characterisation elicitor molecules from local seaweeds for plant protection (J. Jayaraman)*; Identifying and describing new species of Polydesmid millipedes, and Identifying and describing new species of terrestrial molluscs (**M. Rutherford**); *Defining sustainable forest timber yield using permanent plot data in production forests in Trinidad. Ecology of a mono-dominant neotropical tree species. Comparing predation and herbivory contributions to mono-dominance in insular and continental*

situations (M. Oatham with MPhil student); and Modeling Distribution of Tree Species and their Response to Climate and Land Use Change in Trinidad (M. Oatham).

Department of Mathematics and Statistics

The Department plans to focus on a number of research areas in the new academic year. They include *Heat transfer effect on nanofluids within complex geometrics* (this research is useful for industries); *Behaviour of these characteristics on blood flow with and without steroids; Mathematical Modelling on Sports, Finance and Crime; Statistical models on Medicine /Epidemiology.* The Department also plans to build connections between the profession and top-tier Mathematical, Statistical and Actuarial Science Industries and obtain accreditation from the Institute and Faculty of Actuaries (IFoA).

AGILITY

Department of Mathematics and Statistics

Plans for the Department include fostering greater links with foreign universities, extending the Help Desk to University level as Math Help Desk. Additional plans include delivering self-financing courses in the "Summer" period (June-August) to facilitate secondary school teachers wishing to upgrade their teaching status. Commercial software packages will also be provided across the University and across campus for Mat lab, Maple, Excel, R, SPSS and Minitab.

FACULTY OF SCIENCE AND TECHNOLOGY

Distinguished Visitors

Department of Chemistry

Professor B.Z. Chowdhry

Faculty of Engineering and Science
University of Greenwich (Medway Campus)
Chatham Maritime
Kent, UK

Professor George Fleet

Oxford University
UK

Dr Stephen Fulwell

Lecturer
(MSc Occupational and Environmental Safety and Health)
Magnolia House Consultancy

Professor E. Andrew Knapp

Lecturer
(MSc Occupational and Environmental Safety and Health)
Department of Occupational and Environmental Safety and Health
University of Wisconsin
White-water, USA

Professor Hans de Kruijf

Lecturer
(MSc Occupational and Environmental Safety and Health)
(retired)
University of Utrecht

Professor Finian Leeper

Cambridge University
UK

Professor Ei-ichi Negishi

Department of Chemistry
Purdue University
W. Lafayette, Indiana
USA

Professor Peter Pulay

Department of Chemistry and Biochemistry
University of ArkansasUSA

Amanda Pustan

CARIRI, Trinidad and Tobago

Dr Michael Patane

Chief Scientific Officer, Mitobridge, Inc
Massachusetts Ave
Cambridge, USA

Krish Bharuth Raz

Durban University of Technology
Durban,
South Africa

Department of Computing and Information Technology

Professor Jasbir Dhaliwal

Vice Provost (Academic)
and Dean of Graduate School and Chief Innovation Officer
Executive Director, FedEx Institute of Technology
University of Memphis, USA

Dr W. Lewis Johnson

Chief Scientist and Chief Executive Officer
Alelo Inc.
California, USA

Professor Dawn Jutla

Professor of Technology Entrepreneurship
Sobey School of Business, Saint Mary's UniversityHalifax,
Canada

Professor Frank Shih

Professor of Computer Science and Director,
Computer Vision Laboratory
Joint faculty in Department of Electrical and Computer
Engineering and Department of Biomedical Engineering
New Jersey Institute of TechnologyNewark, USA

Department of Physics

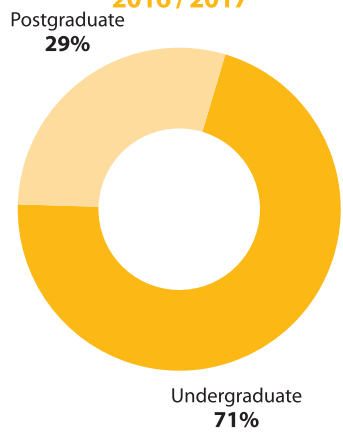
Dr Natasha Brasik

Medical Physicist
University Hospital in Vienna
Austria

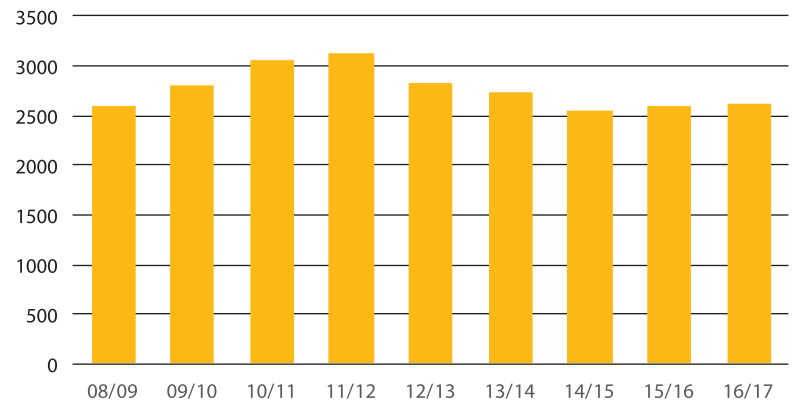
Associate Professor Kristine Lang

Department Chair
Department of Physics
Colorado College, USA

**Graduation
Undergraduate vs Postgraduate
2016 / 2017**



**Trend In Enrolment
2008 – 2017**





Professor
Ann Marie Bissessar
Faculty Dean

Executive Summary

The Faculty of Social Sciences is a multi-disciplinary Faculty comprising the Departments of Behavioural Sciences, Economics, Management Studies and Political Science. For the period August 1, 2016 to July 31, 2017, the Faculty had a new enrolment of 1,010 undergraduate students and 331 graduate students. The Faculty of Social Sciences continues to be the largest Faculty in the University, not only in terms of student enrolment but in the diversity of the number of programmes offered.

During the period under review, the Faculty hosted a number of impactful outreach sessions, seminars and conferences which attracted large audiences. The lecturers in the Faculty were also actively engaged in other outreach activities and a number of faculty members were appointed to boards and commissions during this period.

Enrolment and Graduation

There was a slight decrease in the total number of students enrolled in the Faculty of Social Sciences in the period under review. It is to be noted that the Faculty also provides support to students from the Faculties of Food and Agriculture, and Science and Technology, who are pursuing majors and double majors. In some cases, these students take roughly half their course requirements from the Department of Management Studies. Additionally, the Faculty served students from the Land Management programme offered by the Faculty of Engineering; students from the Faculty of Humanities and Education; and students from other departments and faculties taking courses in Social Work, Psychology, Public Sector Management and Economics.

Teaching and Learning

The Faculty established a Faculty Curriculum Committee and Departmental Curriculum Committees to vet programmes and course proposals at the Faculty level. An Advisory Committee comprised of lecturers in the MSc Strategic Leadership and Management programme, as well as senior officials in the public and private sectors, met

to discuss how to ensure that there was no duplication between this programme offered by the Office of the Dean, and the MSc in Public Sector Management (offered by the Department of Political Science). It was decided to introduce courses that lean towards Strategic Leadership and Management. The MSc in Applied Psychology was offered for the first time in the 2016/2017 academic year.

Department of Management Studies

The Department of Management Studies engaged in a comprehensive review of the curriculum at both the undergraduate and postgraduate levels. The review was undertaken in three phases and the revised programmes were implemented at the start of the 2016/2017 academic year.

Department of Political Science

The Department of Political Science completed the revision of four courses in accordance with the mandate from the Quality Assurance Review for curriculum review of departmental courses.

Accreditation Approval for Programmes

The Accreditation Council of Trinidad and Tobago (ACTT) granted approval for The University of the West Indies, St. Augustine Campus to offer the following programmes through the Faculty of Social Sciences: Bachelor of Science in Marketing; Bachelor of Science in Human Resource Management; Master of Science in Management Studies; Master of Science in Aviation Management; Master of Science in Tourism Development and Management; Postgraduate Diploma in Tourism Development and Management; and the Postgraduate Diploma in Management Studies.

Research and Innovation

During the 2016/2017 academic year, the **Department of Behavioural Sciences** implemented a number of initiatives to assist academic staff to increase their research output. These included lectures on research and academic

writing; a development workshop series for academic and research staff on writing for publication; increased research collaboration among academic staff; more student/supervisor publications and academic presentations to improve students' scholarly output and publications record; and financial support for academic staff and graduate students to attend regional and international conferences.

During the first annual **Research Week** held by the **Department of Management Studies**, postgraduate students and academic staff were able to present their research to both internal and external stakeholders. The University approved the establishment of a **Centre for Export Entrepreneurship and Innovation** (CEEI) in the Department of Management Studies, and supported by funding received from the **National Gas Company**. The purpose of the CEEI will be to foster an export-oriented, entrepreneurial culture at the Campus.

The Faculty provided financial support for several postgraduate students to attend conferences and workshops.

Dr Daren Conrad in the **Department of Economics** was awarded the sum of TT\$32,000 from the Campus Research and Publication Fund in September 2016 for a project *"To Assess the Importance of Tertiary Level Education in the Economic Growth Process"*.

Outreach

Members of the Faculty of Social Sciences, with other local academicians, were invited to meet with a team of officials from the United States Department of State who visited Trinidad in January 2017. The purpose of the meeting was to help the visitors understand the Trinidad and Tobago landscape regarding countering violent extremism. The UWI delegation presented perspectives based on related research and identified potential partnerships, exchanges, and other support available from the US Government.

FACULTY OF SOCIAL SCIENCES

Dr Daren Conrad, Deputy Dean, Distance Education and Outreach and **Joel Jordan**, Senior Administrative Assistant visited the St. Vincent and the Grenadines Community College (SVGCC) during the period November 1-4, 2016. The purpose of the visit was to promote the programme offerings of the Faculty of Social Sciences with a view to increasing student enrolment in the Faculty of Social Sciences, St. Augustine Campus. The team held meetings with **Dr the Honourable Ralph Gonsalves**, Prime Minister of St. Vincent and the Grenadines, other Government officials, management officials of the SVGCC and Secondary Schools. The visit by the UWI Team visit was aired on local television.

The **Peer Counselling Association** (associated with the Guild of Students) in collaboration with the Faculty of Social Sciences screened a film for students entitled *Fences* on April 6, 2017 in the Faculty of Social Sciences Lounge. The event provided a forum for staff and students to discuss the movie and for students to meet with lecturers on a one-to-one basis to chat about issues affecting students.

Department of Behavioural Sciences

The **Sociology Unit** continued its **Open Forum Series** during the 2016/2017 academic year on various topics of public concern. During the period under review, the forums were held on the topics of *Agricultural Investment – Towards Economic Diversification and Food Security; Poverty – What We Need to Know About It; The Impact of Selected Social Determinants of Health Indicators among Pregnant Women in Public Hospitals in Trinidad: The Case of Pregnancy-induced hypertension and Eclampsia; Mental Health Awareness: Targeting Depression in UWI Students* (in collaboration with The UWI Student Psychology Association); and *The Networking of Our Social Relationships: The Erosion of Institutional Values*.

The Inter-American Development Bank hosted a webinar session on *Crime and Violence in the Caribbean* on October 19, 2016. This session focused on the Bahamas, Barbados, Jamaica, and Trinidad and Tobago. The presentations were

based on four comprehensive reports, which brought together crime data on each country.

The **3rd Biennial Postgraduate Conference** was held from March 22-23, 2017 at the Learning Resource Centre. This was an interdisciplinary conference for academic staff and students entitled, *“The Importance of Interdisciplinary Social Science Research in the Caribbean: Alleviating Inequalities/ Integrating Approaches”* and provided a deep understanding of the complexities of the region. As in previous years, the conference was an opportunity for scholars, practitioners, professionals, academics and students, to present their recent and latest research and to share their thoughts and discuss future prospects in the field of Social Sciences. The main topics included Social and Community Studies, Regional Security, Politics and Accountability, Gender and Sexuality, Inclusive Education, Social Change and Community Development. The conference aimed to provide new theorisation, perspectives and state-of-the-art methodologies in addressing social issues across the English-speaking Caribbean so as to promote the reorientation of social sciences for development and individual well-being. **Dr Christine Descartes**, Lecturer in Psychology, served as co-chair of the conference.

On March 16, 2017, the **Department of Behavioural Sciences** held an interactive expo entitled “STAY WOKE” – a message to all of us to stay awake and alert to the serious issues affecting women and children, the environment, the normalisation of violence, the impact of silence, and the importance of safety and service. The **Social Work Unit** also hosted a one-day workshop in March as a celebration of International Social Work Day. This workshop focused on training professional social workers to deal with adolescent trauma.

On May 9, 2017, a team of lecturers comprising **Dr Christine Descartes, Harold Pulwarty, Ann Diaz and Dr Camille Huggins** conducted a workshop entitled, “Conflict Resolution for Teachers” at the Siparia West Secondary School, Siparia. Later, in July 2017, **Dr Cheryl-Ann Boodram**

partnered with the **School of Education** to deliver a two-week evidence-based life skills and personal development workshop to ten young women from the community of Farm Road, St. Joseph.

Department of Economics

In an effort to expose students to the rigorous and robust commentary that they will face in presenting their final year MSc thesis, on September 8, 2016, the **Trade and Economic Development Unit** hosted its first 'Brown Paper Bag' session in Economics for students in the Caribbean Economic Development class. The presenters were **Diana Da Silva** and **Damie Sinanan**, (both PhD Economics students). The Unit, in collaboration with the **Guardian Media Group** and the **Sir Arthur Lewis Institute of Social and Economic Studies** (SALISES), hosted a seminar entitled, "The Key Areas for Diversification for Trinidad and Tobago" presented by **Dr Terrence Farrell** on October 26, 2016. The Department also hosted its annual **Post-Budget Forum** on October 4, 2016 at the Daaga Auditorium. The speakers included **Dr Anthony Birchwood**, **Dr Roger Hosein** and **Dr Daren Conrad**.

Department of Political Science

The Department of Political Science hosted two youth forums during the period under review. The first was entitled, "*The Politics of Crime. A Nation in Crisis. The Youth Perspective*", which was held on March 16, 2017 and featured **Nicole Dyer-Griffith**, **Senator Michael Coppin**, **Mrs. Ramona Ramdial**, **Member of Parliament, Senator Paul Richards** and the newly elected **Guild President Mr Jonathan St. Louis Nahous** as panelists. The youth presenters included **Lynford Allan**, **Priya Harnarine**, **Nicholas Morris** and **Sangeeta Ramnanan**. The second forum held on April 6, 2017 was on the economy and was called, "*The Politics of the Economy. The Youth Perspective*". This discussion mixed politics and economics, offering a perspective on the role of "political will" to efficiently and effectively manage Trinidad and Tobago's economic situation. Panelists included **Dr Vaalmikki Arjoon**, **Dr Bhoendradatt Tewarie**, **Dr Lester Henry**, **Christine Sahadeo**, **Richie Sookhai** and **Dr Marlene Attzs**. The youth presenters were **Nikoli Edwards** and **Hershael Ramesar**.

The **Constitutional Affairs and Parliamentary Studies Unit** (CAPSU) launched the **CAPSU Conversations** series on January 12, 2017, to provide perspectives on matters of political interest and current affairs. Topics included "The American Electoral System and the Election of Donald Trump as the 45th President of the United States", and "The Local Government Elections in Trinidad and the Tobago House of Assembly Elections in Tobago".

Employee Engagement and Development

The Faculty of Social Sciences launched its first newsletter entitled, "**Telluscope**". The effort was made possible by **Dr Daren Conrad**, Deputy Dean, Distance Education and Outreach, and **Joel Jordan**, Senior Administrative Assistant, Office of the Dean. The **Department of Management Studies** also launched its first e-newsletter, which profiled the work of the staff in the Department.

Internal Operational Processes Dean's Holds

In 2016/2017 the Faculty recorded an increase in the number of students either placed on a Dean's Hold or required to withdraw. In all, 590 students were warned and placed on the Dean's Hold over the course of the review period. A Dean's Hold is placed on a student's record when his/her GPA is below 2.0 in a semester. At this stage, the student is placed on a warning for the next semester but is only Required to Withdraw (RTW) after two consecutive semesters with a GPA below 2.0. A student on RTW status must stay out of the University system for one academic year and then apply for re-entry. Analysis of the data, and consultation with lecturers and programme administrators revealed several possible explanations for this increase. These included an increase in the size of classes; the lowering of the entry requirement into programmes; general apathy on the part of many students; the low level of class and tutorial attendance; the reluctance of students to read; and the gap between secondary school and university level requirements. The upsurge may also signal the need for changes to teaching methods in the classroom.

FACULTY OF SOCIAL SCIENCES

Since 2015, the Faculty has been instituting measures to deal with Dean's Holds and RTWs, such as counselling for students; and focusing on courses with failure rates of 25% and higher. A number of procedures were out in place to deal with Dean's Holds, such as reducing class sizes; more tutorial sessions; a re-examination of course outlines, syllabi and assessment methods; as well as making more student resources available via myElearning; and introducing a customer questionnaire, and a compulsory form for students on a Dean's Hold. This last measure was introduced in July/August 2017. The form, for the first time, captured the names and the programmes of students who were on a Dean's Hold. Based on the information provided, students were advised on a course of action. A similar process was put in place for students on RTWs (Required to Withdraw) and the Faculty used the data collected to track the students.

Reforming the Dean's Office

In the wake of a business process engineering exercise, the Faculty focused on core priorities related to student matters. Separate desks were introduced in the Dean's Office to attend to Undergraduate Affairs (including banner; timetabling and foundation courses; and examination matters.) Other desks were established for Postgraduate Affairs; Finance and Inventory; and Buildings. A number of new practices were introduced in each unit. In the case of the Accounting Unit, more stringent controls were implemented for the purchase and provision of materials and supplies.

Revenue Generating / Cost Containment Activities

As of September 30, 2017, the Faculty of Social Sciences accumulated the funding to finance the St. Vincent and the Grenadines Community College franchise (TT\$78,967.23), Co-curricular courses (TT\$173,338.55), and the MSc Strategic Leadership and Management (TT\$12,127,956.38).

The Faculty's "Summer" programme is financed mainly by offering fee-paying courses to undergraduate students,

and it continues to generate an annual surplus. Income for the academic year 2016/2017 was TT\$2,400,179, and expenditure was TT\$432,577.10, with a Surplus of TT\$1,168,777.73.

A significant reduction in the hiring of part-time academic staff led to a TT\$302,014.92 reduction in staff costs. This was due to the reduction of contracts, from 12-month contracts to nine months. Other measures such as maintaining class size (at least 15 students, except where a course was a final course for Evening University students), reduction in overtime for ATS staff, as well as non-payment for venues were strictly adhered to.

Projected Activities for 2017/2018

The Faculty's agenda for the 2017/2018 academic year has been aligned to the key pillars of the new strategic plan.

ACCESS

Curriculum review is to be undertaken by all departments, a **Postgraduate Diploma in Public Sector Management** will be introduced and the BSc programmes in International Relations (Major), Public Sector Management with Law, and the Major and Minor in Public Sector Management will be revised.

The **Department of Political Science** plans to host a review of the Carmona presidency in February 2018, as well as a **Youth Forum on Agriculture and Education**, and a **Political Leaders Discussion on Constitutional Reform** during March/April 2018.

The **Department of Management Studies** plans to introduce and expand existing fee-paying programmes which include expanding the intake for the PhD Business Administration and the Postgraduate Diploma/MSc Sport Management programmes. The expected revenue to be generated per annum is TT\$200,000 and TT\$250,000 respectively. The Department also plans to expand the intake for the MSc Aviation Management and offer it as blended learning programme. Educational outreach will

include new professional development courses to satisfy the continuing education needs of individuals in Trinidad and Tobago; and financial awareness and financial planning seminars for both public and corporate audiences during the semester breaks.

The **Department of Economics** plans to establish a departmental Academic Advising Committee during Semester 2 2017/2018 to update the guidelines for academic advising and mentoring, and to ensure more students are properly advised. Collaboration will be encouraged among academic staff when it comes to research and publication. The **Conference on the Economy (COTE)** will be held in October 2017, along with the **Demas Rampersad Seminar Series**. Publications will be linked to research output coming out of the COTE Conference.

The **Social Work Unit** is planning a two-day workshop/retreat to discuss curriculum review, specifically to meet international standards and to harmonise the syllabus with other campuses. The **Mediation Unit** of the **Department of Behavioural Sciences** is to create a Mediation Room, which would give students access to live mediations and opportunities to practice.

ALIGNMENT

The **Department of Management Studies** plans to launch and start up the **Centre for Export Entrepreneurship and Innovation**. It also proposes to host a week of research activities targeted at students, faculty and industry partners.

AGILITY

The **Republic Bank/Management Studies Management Challenge** will be launched for final year undergraduate Management Studies students and the public can look forward to a new series, **'Conversations with CEOs'**.

Distinguished Visitors

Department of Management Studies

Inaki Alvarez

Director of Event Management for FIFA
FIFA, Switzerland

Michael Boys

FIFA Communications Consultant
FIFA, Switzerland

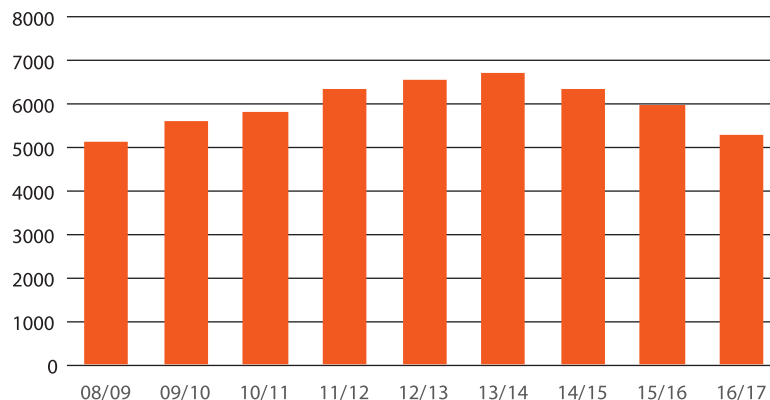
Diego Brenes Esquivel

National Teams Director
Costa Rica Football Federation, Costa Rica

Graduation Undergraduate vs Postgraduate 2016 / 2017



Trend In Enrolment 2008 – 2017



Ansa McAL Psychological Research Centre

In the 2016/2017 academic year, the ANSA McAL Psychological Research Centre hosted a series of workshops for students, staff, and members of the Trinidad and Tobago Police Service (TTPS) on SAS statistical software programmes and their applications. The Centre also continued to engage the wider community, hosting a seminar on the role of children's play in learning in March 2017. Over the reporting period the Centre continued to engage graduate and undergraduate students, as well as prepare journal articles, book chapters and books for publication. Collaborations with researchers in the US, the UK, and Caribbean were also maintained, and the Centre received several distinguished visitors throughout the year.

SAS Workshops

SAS Institute Inc. of North Carolina, USA is a leader in the provision of analytics software and solutions. In 2016, the ANSA McAL Psychological Research Centre engaged SAS Inc. to provide staff and students of The UWI, St. Augustine an opportunity to familiarise themselves with technology that could be used as an alternative to IBM SPSS, or similar software that they may encounter as they develop academically or in the workplace.

Seminars and Workshops

Applying Play Research and Theory to School, Community and Family Settings: The Value of Open-Ended and Structured Materials:

Professor James Johnson and Professor Michael Patte

The Centre launched its seminar series with a session on the role of play in children's learning. The event was chaired by **Professor Jaipaul Roopnarine** (Syracuse University and The UWI Family Development Centre), and featured presentations by **Dr James E. Johnson**, Professor of

Education, Pennsylvania State University, and **Dr Michael Patte**, Professor of Teaching and Learning, Bloomsburg University of Pennsylvania.

Among the topics covered by the speakers were the importance of both unstructured and structured play for child development, and the effects of the gradual replacement of child-initiated, unstructured playtime by organised extracurricular activities. Following the presentations, questions were fielded from the audience. A consensus emerged on the need for balance between both forms of play to bolster the physical, cognitive, and emotional development of children. The seminar was well attended by officials from the **Ministry of Education**, primary school administrators, representatives from community based organisations (CBOs), and The UWI students and staff.

Research Projects Completed

RDI Fund: Crime Victimization and Fear of Crime Survey (CVFCS) in Trinidad and Tobago

The first nationwide survey on crime victimisation and fear of crime was completed in 2015. This project provided a benchmark of crime victimisation, an estimation of the "dark figure" of crime (i.e. crimes that are unreported to the authorities), and an in-depth assessment of fear of crime in Trinidad and Tobago. It was sponsored by a grant from the UWI-Trinidad and Tobago Research and Development Impact (RDI) Fund, and support was also provided by the Trinidad and Tobago Police Service (TTPS). In May 2017, the first post-project completion annual impact report was submitted to the RDI Fund Committee.

Ongoing

The Social and Psychological Context of Fear of Crime

Data from the CVFCS are being further analysed in an attempt to improve understanding of the social and psychological factors related to fear of crime and crime victimisation in Trinidad and Tobago. The following are some of the research highlights in this area:

The Effects of Crime Victimization

Studies have shown that victims of both property and violent crime experience vulnerability, fear, and other forms of psychological distress (e.g., Anand and Santos, 2007; Brewin, Andrews, Rose, and Kirk, 1999; Gale and Coupe, 2005; Jackson and Gouseti, 2015). However, considerably less work has focused on variations in the experiences of crime victims as they relate to emotional and behavioural consequences. Therefore, a focus of inquiry is the relationships among crime severity, emotional distress, fear of crime, and using protective measures in crime victims.

Influence of Individual Differences and Perceptions on Fear of Crime

This study focuses on whether individual difference factors, such as personality and general fear, are better predictors of fear of crime than perceptual interpretations of crime.

Community Vulnerability

Previous studies have sought to explain various aspects of the community in relation to vulnerability. As a result, this study investigates the relationship between community concerns (i.e., perceived crime, incivilities and infrastructure) and sense of safety while examining the mediating role of risk of victimisation and pragmatic fear. This research hypothesised that community concerns influence sense of safety and is mediated by pragmatic fear. Further, the role of gender and ethnic differences were also investigated. Findings revealed that perceived crime and incivilities significantly predicted sense of safety, while infrastructure was insignificant. Risk of victimisation and pragmatic fear had significant mediating effects on community concerns and sense of safety.

Copycat Prevalence in Adult Population

This study assesses the prevalence of copycat crime in an adult, non-incarcerated general population. Prior to this research, the copycat literature has not studied adult populations. The research analyses self-reported copycat crime, media usage (including internet hours, social media, news media TV hours, radio hours, crime dramas, reality

crime shows), victimisation and social demographics (age, sex, ethnicity, education and income). Findings suggests that copycat crime exists at a comparatively low level with much higher percentages of males copycatting behavior and were five times more likely to copycat crime, with these crimes more likely to occur in adolescence. The research is being undertaken by the ANSA McAL Psychological Research Centre, in collaboration with Professor Raymond Surette from the University of Central Florida.

Weapon Desirability

This study explores the pre-requisites to weapon desire, an under-researched area. Collectively, the literature on media influence, social learning, and imitation lend credibility to the hypothesis that exposure to crime related media content will result in increased desire for weapon ownership. The specific research question examined in this study is: What is the relationship of wanting a weapon (either a gun or knife) following exposure to media content? Derived from the extant literature a plausible source of weapon desire is explored via a path model based on face-to face interviews (603 respondents) in an adult population. Social media usage, direct and indirect victimisation and being under 40 years were direct predictors of weapon desirability. Being under 40, gender (being male), crime concerns, social media, and knowledge of other crime victims (indirect victimisation) had the higher total effects.

The relationship between legacy media and weapon desirability, though hypothetically consistent with the cultivation hypothesis, was not observed. Not all media usage in our study supported the research position that legacy media consumption affects perceptions about weapons and their desirability. Results are discussed in the context of imitation and cultivation hypothesis. The research is being undertaken by the ANSA McAL Psychological Research Centre and Professor Raymond Surette from the University of Central Florida. A manuscript on this research is currently being reviewed by the APA journal, *Psychology of Popular Media Culture*.

Graduate Studies

PhD Candidates

An Examination of the Effect of Ambiguous Information, Identification and Just World Beliefs on Blame, Derogation and Empathy for Crime Victims.

Victor Grandison

The phenomenon of blaming the victim has often been explained by the Just World Theory. The core argument is that people have a need to believe that the world is a fair and just place where people get what they deserve and deserve what they get. Innocent victimisation challenges this belief and thereby forces observers of such suffering to derogate the victim.

This study raises the point that there might be additional variables that predict derogation (other than the belief in a just world). The hypotheses of the study are centered on the argument that ambiguous background information about the perpetrators of crime, inhibits discounting of the role of the victim in criminal acts. Additionally, unambiguous information might facilitate the formation of defensive attributions (empathetic responses) in favour of the victim as certain characteristics and behaviours of perpetrators highlight the resourcefulness and sophistication of criminal operations.

To date, two pilot studies and two major studies have been executed. The results of the first major study was submitted for review and presented at a seminar (for the purpose of securing an upgrade to the status of PhD candidate). The proposal was accepted and Mr Grandison is now a PhD candidate. The second study was also completed and the results presented. A thesis detailing the results of both studies has been completed and copies forwarded to the relevant entities. Mr Grandison is currently awaiting feedback from the department for Graduate Studies regarding the defence of his thesis. This is expected to take place in Semester 2, 2018.

Adolescent Risky Decision Making: Examining the Influence of Parental and Peer Attachment, Emotion Regulation and Sensation Seeking.

Dionne Brewster-Phillip

This thesis has two studies. The objective of Study 1 was to explore the influence of attachment, emotion regulation and sensation seeking on risky decision making among adolescent males. The sample consisted of 296 adolescent males attending secondary school high and low crime density areas in Trinidad. Findings showed that parental communication was a significant predictor of risk decision making among adolescent males suggesting that healthy parent-child communication was a significant protective factor of adolescent risky decision making.

Study 2 explores the influence of parental attachment, peer influence, risk perception and community risk on risky decision making and risk behaviour among adolescent males. The objective in Study 2 is to further explain parental attachment (parental communication) as a significant protective and to provide greater insight into the cognitive component of risky decision making. The necessary protocols for data collection in secondary schools were adhered to (approval from the Schools District Supervisor, School Principal and Ethics Board approval). Data collection for Study 2 is scheduled to commence in January 2018.

MPhil Candidates

Function and Dysfunctional Fear: Understanding Relationship between Crime Victimisation, Control and Consequences

Nigel Horsford

This study focuses on distinguishing between functional and dysfunctional fear of crime. Furthermore, it seeks to assess the extent to which issues of likelihood, control, and consequence moderate or mediate perceived risk of victimisation. The study is also working on improving the definition of fear of crime to facilitate a greater understanding of the issue.

The Relationship Between Fear of Crime and Attitudes Towards the Police

Nyleesia Nicome

The study investigates the extent to which negative attitudes towards the police contributes to perceptions of vulnerability and risk and how these factors are linked to a sense of criminal victimisation. The research builds on consensus theory and theories on indirect victimisation to understand the psychological pathways leading to vulnerability. This research is an enquiry into the effects of attitudes towards the police, as well as outgroup entitativity on fear of crime, among residents of a community in Trinidad. The possible mediating effects of aspects of vulnerability and community context are also being assessed.

Internal Collaboration

The Centre continues to maintain and develop new linkages with other researchers on the St. Augustine Campus, such as those in the Faculty of Medical Sciences on chronic non-communicable diseases, and the Department of Geomatics Engineering and Land Management in the field of spatial expression of data. There is also ongoing cross-cultural research on the fear of criminal victimisation with the Psychology Unit of The UWI Cave Hill Campus.

External Collaboration

Collaboration with Syracuse University

The Centre collaborated with Syracuse University on offering a Cross-Cultural Psychology course entitled "Child and Family in Cross-Cultural Perspectives". The course will be offered to graduate students and emphasizes on the myriad of family organisation patterns and the cultural beliefs and practices inherent in the socialisation of children in diverse cultural/ethnic groups. Further, this course focuses on intra and inter-cultural variations in childhood socialisation: beliefs, goals, and practices that drive everyday childrearing in different cultural contexts.

Students will be prepared for further study in child development/developmental psychology, family studies, and other allied disciplines and to assist students in the interpretation of family and child policies in different countries. The intention is that the course will be taught at Syracuse University but our students will have the option of reading the course at no cost to our students or university.

Psi Chi: International Honor Society in Psychology

The Centre has continued to support the Psi Chi UWI St. Augustine Chapter. During the academic year the society held the Psi Chi Annual Research Student Conference to provide students with an opportunity to present their research findings from completed research or ongoing research.

Distinguished Visitors

George Habek, MSc

Senior Analytical Training Consultant
SAS Global Academic Programme
SAS Institute Inc.
Cary, NC, USA

James E. Johnson, PhD

Professor of Education (Early Childhood Education)
College of Education
Pennsylvania State University
University Park, PA, USA

Michael Patte, PhD

Professor of Teaching and Learning
Bloomsburg University of Pennsylvania
Bloomsburg, PA, USA

Jaipaul Roopnarine, PhD

Director
Jack Reilly Institute for Early Childhood and Provider Education, and
Jack Reilly Professor of Child and Family Studies
Department of Child and Family Studies
Falk College of Sport and Human Dynamics
Syracuse University
Syracuse, NY, USA

Centre for Health Economics (HEU)

Executive Summary

The Health Economics Unit (HEU) continued its contribution to national and regional development through its research, key advisory roles and collaboration with various governments and agencies in Trinidad and Tobago, and the wider Caribbean. During the academic year 2016/2017, as part of the HEU's Health Financing support, members advised and provided technical support to Ministries of Health and Social Security Boards on National Health Insurance. Mission visits were made to Anguilla, Dominica, Grenada, and St. Kitts and Nevis.

The HEU partnered with the Health Insurance Office of Bonaire to jointly host the **11th Caribbean Conference on National Health Financing Initiatives** held in Bonaire in October 2016. The HEU was represented by a delegation and a number of presentations were made. Over the past few years, the HEU has emerged as the technical coordinator of the **Caribbean Conference on National Health Financing Initiatives**. This conference is now one of the premier regional conferences, bringing together stakeholders in health, social security and insurance, to discuss health financing issues confronting the countries of the region. More recently, the HEU has also been involved in the planning of the **12th Caribbean Conference** to be held in Anguilla.

The HEU continued its activities under the three-year *Local Capacity Initiative (LCI)* project with CARICOM. This project is sponsored by the United States President's Emergency Plan for AIDS Relief (PEPFAR). Many of the Centre's activities revolved around the planning and execution of training workshops (Modules 2 and 3) to build the capacity of Civil Society Organisations (CSOs) as they implement various HIV-related programmes in different countries, including The Bahamas, Barbados, Jamaica, Suriname and Trinidad

and Tobago. During the delivery of these workshops across the five countries, the HEU support team met with each of the in-country CSOs to discuss their practicums and provided further guidance on the development of the respective documents. Contact and support continued in those countries where further updates and feedback were provided. A total of 44 CSOs received ongoing practicum support.

As part of its Health Systems Strengthening support, the Centre continued its partnership with the Pan American Health Organisation (PAHO) implementing initiatives on **National Health Accounts, Health Financing and National Health Insurance in the Caribbean**. Aligned with this, a proposal for Advancing Action on National Health Insurance (NHI) in Dominica and Anguilla has been submitted to PAHO.

The HEU also partnered with the Health Finance and Governance (HFG) Project of the United States Agency for International Development (USAID) and the United Nations Development Program UNDP) in support to the Ministry of Health (MoH) in its introduction of **System of Health Accounts (SHA)** in Trinidad and Tobago. The design of a **National Social Mitigation Plan** for Trinidad and Tobago with recommendations to cushion the social and economic impact of the downturn in the economy was a project undertaken for the Ministry of Social Development and Family Services (MOSDFS). It was completed during the year.

Highlights

Among the major highlights of the 2016/2017 academic year included the execution of 10 in-country training workshops (Modules 2 and 3) for Trinidad, Barbados, Jamaica, Bahamas and Suriname under the LCI PEPFAR-USAID funded project. During the delivery of the Module 2 and 3 workshops across the five countries, the HEU support team met with each of the in-country CSOs to discuss their practicums and provided further guidance on the development of this document. In all, 44 CSOs were supported.

The HEU also partnered with the UNDP, UNICEF and with Abt Associates under the USAID-funded Health Finance and Governance (HFG) project to support the Ministry of Health (MoH) Trinidad and Tobago to conduct a National Health Accounts (HA) exercise based on the System of Health Accounts 2011 framework with an HIV focus. This will allow for the generation of fundamental HIV resource tracking and health expenditure data that can be used for health sector planning to improve the sustainability of HIV programmes in Trinidad and Tobago.

The HEU was also part of the development of the National Social Mitigation Plan 2017-2022: *Building Resilience to Secure Our Nation* and the accompanying Implementation Plan done for the Ministry of Social Development and Family Services, Trinidad and Tobago. They also provided advisory services to the Ministries of Health in the region, with respect to the design of their National Health Insurance systems.

In 2016/2017, research themes at the Centre focused on the review of Health Financing Experiences, National Health Insurance, Health Systems Strengthening and Financing, and National Health Accounts.

The 11th Caribbean Conference on National Health Financing was held jointly with the National Health Insurance Board, in Bonaire.

Students

The Centre continues to offer training in Health Economics at the MPhil and PhD levels, and delivers the Health Economics courses at the BSc and MSc levels for the Faculty of Social Sciences, through collaborative arrangements with **the Department of Economics**. The Centre also has teaching responsibility for the Health Economics modules in the Master's in Public Health programme offered by the **Faculty of Medical Sciences**. Members of staff of the HEU also supervise graduate research students across faculties including the Faculty of Social Sciences and the Faculty of Medical Sciences, at both the St. Augustine and Mona campuses.

Research and Innovation

The HEU's research agenda has two components. One supports requests from domestic and regional governments, as well as international agencies that seek to advance the policy agenda and aid country development. The other research component is of an academic nature and adds to the body of existing research in the field of Health Economics.

Major Research/Projects Completed

Development of a National Social Mitigation Plan 2017-2022: Building Resilience to Secure our Nation: Trinidad and Tobago.

A. La Foucade, V. Beharry, K. Theodore, C. Laptiste, and A. Cumberbatch

A report done for the Ministry of Social Development and Family Services (MOSDFS) aimed towards building resilience to secure the nation and focused on achieving three main objectives, namely: enhancing productivity and innovation; strengthening the social protection system; and promoting community and civil society action.

Major Research/Projects in Progress

Health Finance and Governance SHA Trinidad and Tobago.

A project done in collaboration with the United States Agency for International Development (USAID)'s Health Finance and Governance (HFG) Project, United Nations Development Programme, in support to the Ministry of Health (MoH) Trinidad and Tobago to conduct a national Health Accounts (HA) exercise using the System of Accounts (SHA) 2011 framework. The exercise includes HIV subaccounts, which will allow for the generation of fundamental HIV health data. This information can be used for better health sector planning with respect to the sustainability of HIV programmes and resource tracking in Trinidad and Tobago.

CENTRES AND INSTITUTES

The Definition and Meaning of Poverty in Trinidad and Tobago

A project using qualitative methodology to develop a localised definition of poverty and child poverty in Trinidad and arriving at poverty measurement and poverty measurement approaches using dimensions for a multidimensional poverty index. Done in collaboration with the United Nations Development Programme (UNDP), United Nation's Children Fund (UNICEF) and the Ministry of Social Development (MOSDFS).

Local Capacity Initiative (LCI) Project

A collaborative effort with the CARICOM Secretariat and the HEU/UWI, and funded by United States Agency for International Development (PEPFAR-USAID).

The Prevalence and Economic Cost of Dementia in Trinidad and Tobago

A collaborative effort among the Dementia Awareness Group of Trinidad and Tobago (DARTT), The UWI Faculty of Medical Sciences, and the HEU/UWI.

Major Technical Reports Completed

A number of technical reports have been completed during the period under review. These include:

- Inception Report for services in respect of Consultations on the Definition and Meaning of Poverty in Trinidad and Tobago. (July 2017).
- Ministry of Social Development and Family Services Social Mitigation Plan: *Building Resilience to Secure our Nation*: Trinidad and Tobago – Final Report. (June 2017).
- Report to Abt Associates for subtask 1.2 – Establishing Steering Committee and Holding Initial Meeting. (June 2017).
- Report to Abt Associates for subtask 1.1 – Establishing and Training Local Health Accounts Team which included a report on the results of the SHA 2011 methodology training. (May 2017).
- Draft Implementation Plan for the Development of a National Mitigation Plan for Trinidad and Tobago. (April 2017).
- Report on Trinidad and Tobago Health Accounts (SHA) Training Workshop April 24-28, 2017. (April 2017).
- PEPFAR-USAID funded Local Capacity Initiative Project: Progress Report for the period May to June 2016 (Q2, 2016) (Nov 2016).
- PEPFAR-USAID funded Local Capacity Initiative Project: Quarterly Technical Report #2 – July-September 2016 (Nov 2016).
- PEPFAR-USAID funded Local Capacity Initiative Project: Capacity Building for Advocacy Policy Workshop. Module 1 – Bahamas, Civil Society Pre-Assessment Report (Sept 2016).
- PEPFAR-USAID funded Local Capacity Initiative Project: Capacity Building for Advocacy Policy Workshop. Module 1 – Barbados, Civil Society Pre-Assessment Report (Sept 2016).
- PEPFAR-USAID funded Local Capacity Initiative Project: Capacity Building for Advocacy Policy Workshop. Module 1 – Jamaica, Civil Society Pre-Assessment Report (Sept 2016).
- PEPFAR-USAID funded Local Capacity Initiative Project: Capacity Building for Advocacy Policy Workshop. Module 1 – Suriname, Civil Society Pre-Assessment Report (Sept 2016).
- PEPFAR-USAID funded Local Capacity Initiative Project: Capacity Building for Advocacy Policy Workshop. Module 1 – Trinidad, Civil Society Pre-Assessment Report (Sept 2016).

Strategy Appraisal

The HEU's core values of producing relevant work of the highest standard is based on its mission of "Making a Difference" in the development of the Caribbean and its people. Inherently, this output hinges on fostering skilled professionals, continued engagement in capacity building, through teaching and learning initiatives, and strategic and credible research.

Stakeholders and Partners

The Centre continues to form strategic alliances with governments in the Caribbean, as well as several national, regional and international stakeholders/partners, including the Ministry of Health, Trinidad and Tobago; PANCAP/ CARICOM Secretariat; CARPHA; PAHO; UN Group (UNAIDS, UNFPA, UNICEF); Abt Associates, USA, World Bank USA. Such partnerships/collaborations have facilitated, in many ways the coordination, promotion and integration of interventions that advance our developing Caribbean countries.

Financial—Revenue Generating Activities

The Centre's staff continue to be directly involved in endeavours aimed at generating revenue to finance its operations and research agenda. Financing efforts focus on writing proposals and networking to secure consultancies and research projects in selected work/research areas that are in accordance with the organisation's strategic objectives and skills. Some of the major accomplishments for 2016/2017 included the proposal to the World Bank for the provision of consultancy services for the Harmonisation of Tobacco Taxation in the Organisation of Eastern Caribbean States, US\$90,000 in July 2017; the proposal to the World Bank for the provision of consultancy services for the Assessment of Tobacco Taxation in Trinidad and Tobago, US\$60,000 in July 2017 and the successful funding provision in the amount of TT\$668,240 from the United Development Programme (UNDP) to perform services in respect of consultation on The Definition and Meaning of Poverty Trinidad and Tobago.

The HEU also made a number of other proposals to varying institutions and organisations to gain funding during the period under review. These proposals included the proposal to the Pan American Health Organisation for Technical Support for Preparation of Project Plan for the development of a National Health Insurance System (NHIS) in Dominica and Anguilla – US\$24,904 in June 2017; the proposal to

the Government of Grenada for the provision of consultancy services for Advancing Action on the Design and Specification of a National Health Insurance System in Grenada – US\$379,428 in April 2017; and the proposal to the Government of St. Kitts and Nevis for the provision of consultancy services for Advancing Action on the Design and Specification of a National Health Insurance System for the Federation of St. Kitts and Nevis – US\$319,166 in February 2017.

The HEU/UWI received TT\$120,000 from the Ministry of Social Development and Family Services, Trinidad and Tobago to prepare a national social mitigation plan with recommendations to cushion the social and economic impact of the downturn in the economy and an accompany action plan. The HEU/UWI entered into a signed agreement with Abt Associates, Inc., with respect to a Systems of Health Accounts (SHA) for Trinidad and Tobago. The Ministry of Health embarked on its Health Accounts (HA) exercise in 2017, with the support of the United States Agency for International Development (USAID)'s Health Finance and Governance (HFG) Project. The HEU has been appointed as the in-country technical lead for this project worth US\$34,920. In the academic year 2016/2017, the thrust to market the Centre's conference and training facilities continued and produced returns in the amount of TT\$124,236 from rental fees.

Outreach Regional Strengthening and National Engagement

The Centre participated in a number of conferences, workshops and meetings in order to strengthen regional and nation engagement. They included participation at the 9th International AIDS Society Conference on HIV Science in Paris, France; the PAHO/WHO Building Synergies for Implementation of the Global Strategy for Women's, Children's and Adolescents' Health in Latin America and the Caribbean: Caribbean Sub-Regional Consultation in St. Phillip, Barbados; and the PAHO/WHO Sub regional workshop on Alcohol, *The Effectiveness of Taxation on Alcohol, Tobacco and Sugar Sweetened Beverages in the Caribbean*.

CENTRES AND INSTITUTES

The HEU also presented at a number of conferences, such as at the 5th Latin American and Caribbean Conference on Tobacco or Health, *“Potential Taxes from Tobacco in Three Caribbean Countries”* in Uruguay; and at the CARPHA 62nd Annual Health Research Conference on Climate Change, the Environment and Human Health, *“The Consumption and Revenue Effects of Increased Taxation on Cigarettes: A Case Study of Grenada”* in Guyana.

Participation in other workshops, conferences and meetings included the Regional Mechanism on Health Security (RCMHS) at the Hilton Hotel Trinidad and Tobago Conference Centre; the CARPHA, CARICOM, PAHO/WHO High Level Meeting; the conference on National Health Insurance, Ministry of Public Health, Social Development and Labour, Government, St. Maarten; the PAHO/WHO workshop to promote a node of the Virtual Campus for Public Health (VCPH) in the English-speaking Caribbean in Trinidad and Tobago; the 11th Caribbean Conference on National Health Financing Initiatives, Bonaire; the regional seminar on The Future of Social Security in the Caribbean, St. Vincent and the Grenadines; and the launch of the National Strategic Plan for the Prevention and Control of Non-Communicable Diseases 2017-2021 at the Hilton Trinidad and Conference Centre.

Technical Support to Regional Governments

The HEU provides technical expertise to assist countries in developing sustainable solutions for efficient and effective health care systems. This is a means by which the University contributes to regional development and fosters a culture of efficiency in the health sectors in the region.

Trinidad and Tobago

In January 2017 the HEU undertook a number of initiatives. These included the collaboration with the United States Agency for International Development (USAID)'s Health Finance and Governance (HFG) Project, United Nations Development Programme in support to the Ministry of Health (MoH) Trinidad and Tobago in the launch of the

System of Health Accounts (SHA) in Trinidad and Tobago; the hosting of a sensitisation meeting on the System of Health Accounts (SHA), as a precursor to the launch of the Health Accounts; collaborating with United States Agency for International Development (USAID)'s Health Finance and Governance (HFG) Project, United Nations Development Programme, in support to the Ministry of Health (MoH) Trinidad and Tobago to conduct a national Health Accounts (HA) exercise using the System of Accounts (SHA) 2011 framework. The exercise includes HIV subaccounts, which will allow for the generation of fundamental HIV health data. This information can be used for better health sector planning with respect to the sustainability of HIV programmes and resource tracking in Trinidad and Tobago. January also included a presentation to cabinet on, and continued discussions with the Ministry of Health on HEU's assistance in designing an appropriate mechanism for an operational National Health Insurance System by 2018.

In June 2017, the HEU helped in the development of a National Social Mitigation Plan 2017-2022: Building Resilience to Secure our Nation: Trinidad and Tobago for the Ministry of Social Development and Family Services and also engaged in a national study on Multidimensional Poverty in Trinidad.

During the period HEU also continued its ongoing work on Child Sexual Abuse in Trinidad and Tobago: A Review of the National Response; and An Analysis of the Adequacy of Financial and Social Support Services available to Children with Disabilities and their Families in Tobago.

HEU's continued its representation on the Management of Social Transformations (MOST) National Liaison Committee under the aegis of the Trinidad and Tobago National Commission for UNESCO and continues its involvement with the regional response to HIV/AIDS, through its activities under the LCI Project, a significant initiative in the area of HIV/AIDS.

Members of the HEU, in collaboration with regional consultants/experts, conducted in-country assessments of the local CSOs to evaluate their present capacity to perform their current functions, to explore possibilities for the future and provide technical assistance on organisational strengthening and policy advocacy to Civil Society Organisations (CSOs) working with key populations in Trinidad and Tobago. Training workshops were conducted for CSOs under Modules 2 and 3 of the project. Practicum support was given to several CSOs.

Antigua and Barbuda

The HEU conducted a follow-up mission visit following a proposal sent to the government of Antigua and Barbuda for the development and implementation of a National Health Insurance Plan for Antigua and Barbuda. Discussions with PAHO on a proposed PAHO/UWI Health Accounts Study for Antigua and Barbuda also continued.

Bahamas

Discussions were held with the Ministry of Health on the HEU's work under the LCI project to conduct in-country assessment of the local CSOs to evaluate their present capacity to perform their current functions, to explore possibilities for the future, and to provide technical assistance on organisational strengthening and policy advocacy to Civil Society Organisations (CSOs) working with key populations in The Bahamas. Training workshops to be conducted for CSOs under Modules 2 and 3 of the project. Practicum support was given to six CSOs.

Barbados

Under the Local Capacity Initiative (LCI), members of the HEU, in collaboration with regional consultants/experts, provided technical assistance on organisational strengthening and policy advocacy to Civil Society Organisations (CSOs) working with key populations in Barbados. Training workshops were conducted for CSOs under Modules 2 and 3. Practicum support was given to 10 CSOs.

Dominica

The HEU mission to Dominica to hold discussions on the scope and implementation activities for the Proposed National Health Insurance (NHI) Pilot Programme and considerations for an overall National Health Insurance Plan (NHIP) was held in September 2016. Following missions to Dominica, a proposal was sent to the Pan American Health Organisation (PAHO) for technical support for the preparation of a project plan for the development of a National Health Insurance System (NHIS) in Dominica.

Grenada

Following missions to Grenada, a proposal was sent to the Government of Grenada for the provision of consultancy services for advancing action on the design and specification of a National Health Insurance System in Grenada. Discussions with PAHO on a proposed PAHO/UWI Health Accounts Study for Grenada were also held.

Jamaica

Discussions were held with the Ministry of Health, Jamaica on collaboration with the HEU in its work under the LCI project, to conduct in-country assessment of the local CSOs. The assessment evaluates the CSOs' capacity to perform their current functions, and explores possibilities for the future. The assessment provides a platform that can be used to provide technical assistance on organisational strengthening and policy advocacy to Civil Society Organisations (CSOs) working with key populations in Jamaica. Training workshops are to be conducted for CSOs under Module 2 and 3 of the project. Practicum support was given to twelve (12) CSOs.

Suriname

Discussions were held with the Ministry of Health Suriname on collaboration with the HEU in its work under the LCI project to conduct in-country assessment of the local CSOs. The assessment evaluates CSOs' capacity to perform their current functions and explores possibilities for the future. The assessment provides a platform that can be used to provide technical assistance on organisational

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strengthening, and policy advocacy to Civil Society Organisations (CSOs) working with key populations in Suriname. Training workshops were conducted for CSOs under Module, 2 and 3 of the project. Practicum support was given to nine CSOs. Preliminary discussions with the Ministry of Health, Suriname on the conduct of a National Health Accounts Study.

St. Kitts and Nevis

A proposal was sent to the Government of St. Kitts and Nevis for the provision of consultancy services for advancing action on the design and specification of a National Health Insurance System for the Federation of St. Kitts and Nevis.

Caribbean Public Health Agency (CARPHA)

There was continued collaboration with the CARPHA, including membership on the Sub-committee of CARPHA, developing proposals for the Stop Epidemics There and Here (SETH) fund; membership on CARPHA's Technical Advisory Committee and membership on CARPHA's Public Health Nutrition Advisory Committee.

Pan American Health Organisation (PAHO)

The HEU's involvement with PAHO included a partnership re: initiative on the Preparation of a Project Plan for the development of a National Health Insurance System (NHIS) in Anguilla and Dominica; and acting as a Special Advisor/ Expert panelist at the PAHO/WHO Sub regional workshop on, *Effectiveness of Taxation on Alcohol, Tobacco and Sugar Sweetened Beverages in the Caribbean*.

Two members of the HEU participated in advance training re: Productive Management Methodology for Health Services-Development of Management Information Models based on the PERC tool PMMHS/PERC in Washington D.C. Discussions were also held with PAHO on the proposed PAHO/UWI Health Accounts Studies with respect to the support on the production of Health Accounts (SHA 2011) in Antigua and Barbuda, Grenada and Belize.

Cross Faculty/Campus Relationships

Discussions on joint research were held with the Caribbean Institute for Health Research, at The UWI Cave Hill Campus. A joint proposal is to be submitted to the International Development Research Centre for Strengthening Multi-sectoral Actions to Enhance Food Security and Sovereignty for the Prevention of Obesity and Related Non-Communicable Diseases in the Caribbean (FaN). Continued collaboration and research with DARTT, Faculty of Medical Sciences on the study entitled, *"Prevalence and Economic Cost of Dementia in Trinidad and Tobago"* will continue.

The HEU will continue to participate in the work of UWIHARP and provide representation on the Pan Caribbean Partnership against HIV and AIDS (PANCAP) with active involvement on a number of sub-committees. This programme covers all four campuses (including Open Campus).

Links with Other Universities and Local and/or International Organisations

Virtual meetings and discussions were held with the Institute for Clinical Effectiveness and Health Policy (IECS, Argentina). A joint proposal is to be submitted to the International Development Research Centre for Modelling the Impact of Strategies to Address the Burden of Sugary Drinks Consumption in Latin America and the Caribbean.

Guest lectures on Economics of Medical Care were carried out at the American University of Antigua College of Medicine to Medical Students.

The HEU continued to collaborate with a number of organisations which included collaborating with lecturers at the Arthur Lok Jack Graduate School of Business on the design and development of screencasts for online delivery of the undergraduate and postgraduate Health Economics online course; continued collaboration with the Abt Associates, of the USA with respect to training in, and conducting Health Accounts in the Caribbean. This collaboration further strengthens the HEU's capacity to serve as a Health Accounts technical resource for the region in

the future. The HEU also continued to collaborate with the Palladium Group (formerly Futures)/PEPFAR on the Local Capacity Initiative.

The Centre provided academic support and curriculum guidance for Health Economics in the Master's of Health Administration degree programme, for the University of Technology, Jamaica, and is currently a member of the UWIHARP-HEU-CARPHA-INSP team to draft curriculum for Postgraduate Diploma in HIV Management.

Conferences, Seminars and Workshops Hosted

The HEU hosted 10 in-country workshops in Trinidad, Barbados, Bahamas, Jamaica and Suriname under the PEPFAR-USAID funded Local Capacity Initiative (LCI) project:

- LCI Workshop for CSOs in Barbados (Module 2) September 7-9, 2016.
- LCI Workshop for CSOs in Barbados (Module 3) April 19, 2017.
- LCI Workshop for CSOs in Suriname (Module 1) September 19-21, 2016.
- LCI Workshop for CSOs in Suriname (Module 2) December 5-7, 2016.
- LCI Workshop for CSOs in Suriname (Module 3) July 17, 2017.
- LCI Workshop for CSOs in The Bahamas (Module 1) November 16-18, 2016.
- LCI Workshop for CSOs in the Bahamas (Module 2) February 8-10, 2017.
- LCI Workshop for CSOs in Trinidad and Tobago (Module 2) November 22-24, 2016.
- LCI Workshop for CSOs in Trinidad and Tobago (Module 3) June 23, 2017.
- LCI Workshop for CSOs in Jamaica (Module 3) May 30, 2017.

Projected Activities for the 2017/2018 Academic Year

In the coming year, the HEU envisages the continuation and initiation of several initiatives. These include the creation of revenue generating courses; the continued partnership with the United Nations Development Programme (UNDP), United Nation's Children Fund (UNICEF) and the Ministry of Social Development (MOSDFS) on *The Definition and Meaning of Poverty in Trinidad and Tobago*; partnership with PAHO on Advancing Action on National Health Insurance (NHI) in Dominica and Anguilla and PAHO/UWI Health Account Studies on Antigua and Barbuda, Belize, Grenada aimed at giving support on the production of Health Accounts (SHA2011) with a capacity building approach; and partnership with the World Bank in the Assessment of Tobacco Taxation in Trinidad and Tobago and for the Harmonisation of Tobacco Taxation in the Organisation of Eastern Caribbean States.

The HEU also plans to lend advisory and technical support to the Government of Grenada and the Government of St. Kitts and Nevis for the provision of consultancy services for advancing action on the design and specification of a National Health Insurance System in Grenada and the Federation of St. Kitts and Nevis.

Collaborative research and partnership with the Caribbean Institute for Health Research, The University of the West Indies (Cave Hill Campus), and the International Development Research Centre in the area of *Strengthening Multi-Sectoral Actions to Enhance Food Security and Sovereignty for the Prevention of Obesity and Related Non-Communicable Diseases in the Caribbean* (FaN), and the Institute for Clinical Effectiveness and Health Policy (IECS, Argentina), and the International Development Research Centre in the area of *Modelling the Impact of Strategies to Address the Burden of Sugary Drinks Consumption in Latin America and the Caribbean* is also planned for the future.

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Proposed Areas of Research Activity as a Centre

The Centre, as well as individual staff members have proposed areas of research for the future. As a Centre, the HEU plans to focus on the following areas:

- Partnership with Abt Associates to support Trinidad and Tobago to conduct a national Health Accounts (HA) exercise based on the System of Health Accounts 2011 framework as described above.
- Joint hosting with the Social Security Board of Anguilla on the 12th Caribbean Conference on National Health Financing initiatives.
- Continued work under the Definition and Meaning of Poverty in Trinidad and Tobago project. The objective of the consultancy is to conduct stakeholder engagements in 14 municipal regions of Trinidad with key stakeholders to develop a localised definition of poverty and child poverty.
- Partnership with the World Bank in the Assessment of Tobacco Taxation in Trinidad and Tobago and for the Harmonisation of Tobacco Taxation in the Organisation of Eastern Caribbean States.
- Advisory and technical support to the governments of Grenada, St. Kitts and Nevis, and Antigua and Barbuda for the provision of consultancy services for advancing action on the design and specification of a National Health Insurance System.

The activities planned under the LCI project include the continued assessment of needs and implementing a programme of capacity building for CSOs in the Bahamas, Barbados, Jamaica, Suriname and Trinidad and Tobago, in collaboration with regional experts and regional organisations.

The HEU team will continue to work with all LCI participants, guiding them through the implementation of their projects in line with the areas covered during the capacity building sessions. The team will also work towards completion of the end line analysis, based on the tabulation of the post evaluation assessment data. Support on practicum

component is aimed at strengthening CSOs, based on the areas of need highlighted in the assessment. Practicum support to approximately 44 CSOs, with respect to practicum assigned, concept note and roll out of their project and practicum.

Proposed Areas of Research Activity - Individual Staff Members

K. Theodore: Tobacco Taxation in the OECS and Trinidad and Tobago; National Health Accounts and Health Financing in the Caribbean; and Modernising the Health System – a Caribbean Challenge.

A. La Foucade: Tobacco Taxation in the OECS and Trinidad and Tobago; Costing of Health Services and Programmes in Selected Caribbean Countries; Risky Behaviour, HIV/AIDS and Utility Maximisation; Equity and Health: The Situation of People Living with HIV/AIDS; and Evaluation of Social Programmes.

R. McLean: Evaluation of Cost Effective Models for Prevention and Control of HIV and NCDs in the Caribbean: An Integrated Primary Health Care Based Approach; and Cervical Cancer Attitudes, Beliefs and Practices in Trinidad and Tobago: A Qualitative Assessment.

C. Laptiste: Estimating the Intangible Cost of Illness; Health Financing and the Costing of Health Care Services; and Tobacco Taxation in the OECS and Trinidad and Tobago.

K. Gittens-Baynes: Child Mapping and the Developing World: Implications for the Caribbean's Social Protection Framework: An Examination of the Health Resources Available for Tourist Activities in a Small Island Developing State with a Tourism Based Economy: The Island of Tobago; The Role of Household Decision-making in Health Outcomes: Caribbean Applications.

K. Gittens-Baynes: Equality of Opportunity in Health: Implications for the Caribbean; and Retrospective Surveys and Social Science Research in Developing Countries: A Viable Research Tool?

V. Beharry: The Decision to Engage in High Risk Sexual Behaviour: A Case of Irrationality? Cost Resistance, Risky Sexual Behaviour and HIV/AIDS.

C. Metivier: Child Abuse in Trinidad and Tobago: Implications for Social Policy; Response Programmes for Addressing Chronic Non-communicable Diseases; and Tobacco Taxation in the OECS and Trinidad and Tobago.

S. Lalta: Obesity and Chronic Diseases; National Health Accounts and Health Financing in the OECS.

P. Edwards-Wescott: Fiscal Deficits in the OECS: A Behavioural Approach.

Distinguished Visitors

Sir George Alleyne
Chancellor
The University of the West Indies

Dr Beverly Andrews
HIV Secretariat
Office of the Prime Minister of Trinidad and Tobago

Isele Robinson-Cooper
Programme Officer
Social Policy and Governance
United Nations Development Programme (UNDP)

Heather Cogswell
Associate Health Finance and Governance
Abt Associates
Bethesda, USA

Dr Michel DeGroulard
HIV, Health Policy Project (HPP)
Futures Group, International
Washington DC, USA

Dr Bernadette Theodore-Gandi
Caribbean Programme Director
The Pan American Health Organisation
St. Clair, Port of Spain,
Trinidad and Tobago

Lawrence Jaising
Director
Health Policy Research and Planning
Ministry of Health, Trinidad and Tobago

Dr Ayanna Sebro
Director
HIVAIDS Programme Unit
Ministry of Health, Trinidad and Tobago

Lisa Tarantino
Senior Associate Health Finance and Governance
Abt Associates
Bethesda, USA

Centre for Language Learning (CLL)

Executive Summary

The 2016/2017 academic year saw the first Quality Assurance review of the Centre for Language Learning (CLL) since December 2005. The review team, comprised of Team Leader/External Academic, **Dr Ana Maria Sousa Aguiar de Medeiros**, Director of the Language Centre at King's College, London; **Professor Kahiudi Claver Mabana**, Professor of Francophone, African and Caribbean Literature, The UWI Cave Hill Campus; and **Ingrid Kemchand**, Modern Languages Curriculum Co-ordinator, Ministry of Education Trinidad and Tobago gave high praise for both the quality and quantity of work carried on by the language centre. The review report concurred with Student Assessment of Courses and Lecturers (SECL) evaluations, to which between 84% and 97% of students rated their courses as good to excellent.

Other noteworthy events included the arrival of a Visiting Lecturer in Korean through a grant from the **Korea Foundation**, and additional grant funding from the **Japan Foundation/Sakura Network** to enhance the teaching of Japanese locally and regionally. A landmark publication, "Using YouTube and WeChat to promote communicative and intercultural competence in Japanese and Mandarin," the first ever on the CLL's East Asian languages appeared in an edited book entitled *Cases on Audio-Visual Media in Language Education*.

In its fifth year of operations, the IELTS Centre continued to meet and exceed its financial targets and break new ground with the rollout of the new UKVI (UK Visa and Immigration) IELTS. The CLL's profile as a language testing centre in English and Spanish was enhanced with the administration once again of the Instituto Cervantes' standardised DELE examinations, which test Spanish language proficiency.

The successes of the CLL were achieved, despite the challenges posed by vacant posts in Spanish and French, the retirement of key ATS staff and financial challenges due to budget cuts. The staff of the CLL (academic and ATS) nevertheless rallied to the cause and continued to provide excellent service in all the areas of operations so that the two thousand students and other stakeholders continued to look upon the CLL as a Centre of Excellence for Languages.

Enrolment

The CLL Foreign Languages programmes saw an enrolment of 1,757 students, while the ESL programme had an enrolment of 77 students.

Examinations

For the period under review, the IELTS programme examined 693 candidates, while the DELE programme examined 30 candidates.

Top Students in the academic year 2016-2017

Selina Korkmaz (Arabic)
Leah Elliot (Chinese)
Yu Yin Ye (Chinese)
Elizabeth Abigail Sampson (Chinese)
Muhammed Saajid Hosein (French)
Mary Jane Arneaud (French)
Karelma Frontera Acevedo (French)
Nalini Misir (Hindi)
Deosaran Persad (Hindi)
Dwithi Hariharan (Japanese)
Lesley-Ann Jurawan (Japanese)
Arlene Dolabaille (Spanish)
Anand Hanuman (Spanish)
Sarojani Torsteinson (Spanish)

Strategy Appraisal

The Centre for Language Learning had a number of significant achievements at the end of the period 2016/2017.

Finance

The Centre for Language Learning offered the Cambridge certification in Teaching English as a Second/Foreign Language (CELTA) for the second time. The IELTS Test Centre TT120 continued to see growth in the number of examination candidates, and had a new offering of the UKVI (UK Visa and Immigration) IELTS. The target value for EFL offerings in Semester 2 2016/2017 was realised.

Employee Engagement and Development

ATS staff members participated in training hosted by the HR Division in areas such as Minute Writing, Effective Secretary, E-recruit and Future Leaders. Two Japanese tutors participated in the “VIII Seminar of the Central America and Caribbean Japanese Language Education Network” in Costa Rica. The IELTS Administrator and Grade 8 Student Services Assistant attended and IELTS Administrators Training Meeting in Brazil.

Internal Operational Processes

The CLL successfully completed its Quality Assurance Review in March 2017. Planning workshops were held to prepare for the review. As part of the review preparation, the CLL reviewed and revised where appropriate all its internal operational processes. The Review Report cited the CLL’s Best Practice in this regard; “The level of documentation of its processes and history on the part of the CLL is exemplary. The Centre was able to provide a comprehensive body of documents to the Review team that was unprecedented.”

Transition to a fully online registration process (including an online payment facility) was completed.

Teaching, Learning and Student Development

A course outline writing workshop was held on August 25, 2016. Subsequently, new course outlines were produced for all languages for the 2016/2017 academic year. With the

formalisation of a MOU and Grant agreement between The UWI and the Korea Foundation, Korean was added to the CLL roster of foreign languages. Mandatory standardisation and re/certification of existing and new IELTS examiners and clerical markers were completed.

Enhancing the Student Experience and Development

A feedback/suggestion box was installed on the ground floor to encourage student feedback and engagement. The formalisation of the student withdrawal process facilitated more accurate tracking of attrition rates. In response to growing demands and with encouragement from the feedback of the Quality Assurance review, the Centre successfully lobbied for a facility for parking for external students.

Research Projects

“Languages for Life”

Beverly-Anne Carter

This project focuses on nationals who are active multilingual speakers in professional or personal contexts. It follows-up on the findings of the RDI funded *Languages and Competitiveness Project* and will be available in digital format on DVD.

The CLL received a Korea Foundation Grant for a Visiting Professor and a Japan Foundation Grant to promote the Sakura Network locally and regionally.

Outreach

The CLL engaged in a number of outreach activities which included the annual CLL Concert held in November 2016; participation in the 2017 Foreign Language Theatre Festival (Chinese, ESL and Japanese) and Confucius Institute Chinese Movie Nights April, May and June 2017.

The CLL also hosted a Confucius Institute “Study in China” seminar in April 2017.

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Projected Activities for the 2017/2018 Academic Year

Finance

The Centre has a number of plans for the 2017/2018 academic year with regards to finance. Plans include increasing testing frequency in the IELTS Test Centre; Foreign Language testing and preparation courses (DELE); ESL on- and off-site registrations as well as Foreign Language on- and off-site teaching. Plans also include the introduction of the Japanese Language Proficiency Test (JLPT).

Employee Engagement and Development

The Centre plans to continue the linkage of training needs/ requirements to the Staff Appraisal System and continue the process of encouraging ongoing feedback for staff throughout the academic year.

Internal Operational Processes

The CLL plans to continue its presence at the Faculties' Academic Advising to ensure familiarity with, and adherence to, CLL registration processes. Access to Banner will be provided to ensure that CLL credit students' registrations on the CLL's internal registration system.

Teaching, Learning and Student Development

In keeping with the recommendations of the Quality Assurance team, the testing rubrics for all languages will be implemented. With the kind sponsorship of the Embassy of Korea, the Self-Access Facility space will be re-purposed to include a rentable seminar/workshop space, computer bank and reading area. The CLL also plans to launch a new website. New German, Japanese and French textbooks will be introduced.

Outreach

Outreach at the Centre will include the installation of the Korean corner, Self-Access Facility and the introduction of a Languages for Life Competition.

Open Lectures are also planned for the new academic year. They include lectures presented by Professor B Kumaradivelu, Professor of Applied Linguistics/TESOL at San José State University (January 2018), and Professor Rosemary Feal, former Executive Director of the Modern Language Association (March 2018). Other activities for the new academic year include an Alma Jordan Library display chronicling the history of the CLL, a 20th anniversary Open House in March 2018, and Joie de Vivre: A Celebration of Fashion, Music and Fine Cuisine in April 2018.

Distinguished Visitors

Her Excellency Coromoto Godoy Calderón
Ambassador of the Bolivarian Republic of Venezuela

Professor Kahiudi Claver Mabana
Professor of Francophone African and Caribbean Literature
Department of Language, Linguistics and Literature
The University of the West Indies, Cave Hill Campus

Ms Ingrid Kemchand
Curriculum Coordinator,
Modern Languages Curriculum Development Division
Ministry of Education, Trinidad and Tobago

Dr Ana Maria Sousa Aguiar de Medeiros
Director
Modern Language Centre
King's College, London, UK

Institute for Gender and Development (IGDS)

Executive Summary

The period 2016/2017 was a transitional year for the IGDS, St. Augustine Campus Unit (SAU). Over the previous three years, three Heads led the Unit for one year each: **Professor Valerie Youssef** (2013/2014), **Professor Patricia Mohammed** (2014/2015), and **Professor Paula Morgan** (2015/2016). Thus, this was the first year in which a Head was appointed for a three-year term. Focus was therefore on operationalising the IGDS vision and mission, establishing a flow into and out of the teaching programmes, identifying how IGDS could increase its brand visibility and impact, team-building, and making generational mentorship an explicit part of IGDS' way of working.

In order to operationalize the IGDS' vision and mission, the core themes that would guide the next three years were defined. These include:

- Agro-Ecology, Conservation and the Environment
- Gender-based Violence
- Gender, Communication, Language and Social Media
- Gender and Health
- Gender, Politics and Leadership
- Gender, Sexualities, Ethnicity, Race, Class and Citizenship
- Gender and Visual Culture
- Masculinity and Men's Movement Building
- Making of Caribbean Feminisms
- Political Economy and Gender-sensitive Policy Making
- Women, Gender and Development

A flow through the Unit was envisioned and included a number of outreach activities that included programmes like IGDS Reach, IGDS Next, IGDS Ignite, IGDS CV+, IGDS Impact, IGDS Gold and IGDS Future Fund.

A collaboratively formed work plan was used to guide work throughout the year. This is a model that will be reproduced so that all staff and students know what the work plan for an academic year looks like before it begins. Funds were successfully sought from the Association of Commonwealth Universities for the workshop *Strengthening Cross-Faculty Collaboration to Advance Gender Equity*. This workshop covered four main themes; the history of the IGDS at The UWI, gender equity in The UWI, the research areas and projects the IGDS leads, and sharing knowledge about the best practices on raising gender consciousness in teaching, administration and outreach. Recommendations arising from the workshop will guide the SAU's mainstreaming and enrolment strategy over the upcoming academic year.

The major research award this year was granted to Principal Investigator, **Dr Angelique Nixon**, for the project, *"A Sexual Culture of Justice: Strengthening LGBTQI and GBV Partnerships, Capacity and Efficacy to Promote and Protect Rights in Trinidad and Tobago"*. The project brought in €166,000 from the European Commission, and is being implemented in partnership with six co-applicants representing LGBTI and feminist civil society organisations: (CAISO: Sex and Gender Justice, Friends for Life, I Am One Trinidad and Tobago, The Silver Lining Foundation, WOMANTRA, and Women's Caucus of Trinidad and Tobago). The project started in April 2017 and will end in March 2020.

IGDS was also a co-applicant in the award of another European Commission grant for CSO capacity-building. This project involves six Civil Society Organisations (**United Way Trinidad and Tobago (UWTT), Caribbean Natural Resources Institute (CANARI), Women's Institute for Alternative Development (WINAD), Veni Apwann (VA), Network of NGOs of Trinidad and Tobago for the Advancement of Women (Network) and Environment Tobago** as co-applicants. The objective is to encourage transformation to a more environmentally sustainable, socially just, inclusive, accountable and resilient model of development and governance through supporting the effective involvement of civil society organisations (CSOs)

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in implementation of the 2030 Sustainable Development Agenda in Trinidad and Tobago (T&T), and the project began in April 2017 and concludes in March 2020. The IGDS, SAU will be using this collaboration to support development and roll out of the IGDS Gender Justice Scorecard.

Substantial progress was made on the Research Development Impact (RDI) Fund project “*Work/Life Balance and Ageing in Trinidad: Studying the Productivity and Wellbeing of Working Men and Women*” including establishment of a Memorandum of Understanding between The UWI and the **Societe D’economie Mixte D’amangement De La Ville Du Lamentin/Company of Mixed Economy of Management (SEMAVIL)** and the establishment of corporate partnerships with Trinidad and Tobago Electricity Commission (T&TEC) and the National Insurance Board of Trinidad and Tobago (NIBTT).

The Institute has continued to seek opportunity for collaborative and funded research. In addition to sitting on the Research Steering Committee for a GBV national prevalence survey, the IGDS also undertook a qualitative study of IPV funded by **UN Women** and intended to complement the survey.

Two edited collections were published, which include chapters by all academic and senior professional staff of the SAU, *Negotiating Gender, Policy and Politics: Feminist Strategies, Masculinist Resistances and the Possibilities for Transformation in the Caribbean*, edited by **Gabrielle Jamela Hosein** and **Jane Parpart** (New York: Rowman and Littlefield) and *Indo-Caribbean Feminist Thought Genealogies, Theories, Enactments*, edited by **Gabrielle Jamela Hosein** and **Lisa Outar** (Palgrave Macmillian).

In terms of publications aimed at wider engagement, IGDS staff also published non-peer reviewed articles in *UWI Today*, *The Conversation – Global*, *teleSUR*, *Trinidad Guardian Newspaper*, *Stabroek News*, and the *UWI Alumni magazine*.

This year’s major conference was the *Indigenous Geographies and Caribbean Feminisms: Common Struggles Against Capitalism Symposium*. This initiative, which will lead to a co-edited collection by **Gabrielle Hosein** and **Levi Gahman**, from the Department of Geography in the Faculty of Food and Agriculture, brought together scholars and Indigenous women activists from Belize, Suriname, Guyana, Dominica, Trinidad and St. Vincent.

In addition, the IGDS played a key role in coordinating the Life in Leggings Solidarity march and rally held on March 11, 2017. Along with four days of gender-consciousness-raising statements run on 195.5 radio, and those statements being distributed on 500 flags in the march, staff of the IGDS presented at a number of fora for International Women’s Day 2017. Finally, as part of continuing the **Break the Silence: End Child Sexual Abuse Campaign**, 10 teachers from eight secondary schools were trained in CSA facilitation toward the creation of posters, and a teacher tool kit was produced.

The Institute has been consistent in its efforts to utilise graduate students as part-time tutors, research assistants and for administrative support in various projects, events and activities. IGDS SAU may well be unique in The UWI in terms of training graduate students who are also activists and are effectively representing the Institute in public and media fora. This year, four graduate students have worked with the SAU on the *Caribbean Review of Gender Studies*, **IGDS Ignite** and men’s movement building, and outreach.

The Institute has consolidated its archives, digitising material spanning 1993 to present, previously stored on audio tapes, floppy discs, CDs and DVDs. The entire collection of digital data is stored in a central Synology storage facility with back up. This digitising extends beyond the IGDS offices, to the **Alma Jordan Library** where the Institute now has its own very large Synology drive. This drive will host archived material for the purpose of research, and that will be made available through the

UWISpace online platform, and thus accessible across all three campuses, as well as online anywhere. The Institute continues to expand its documentation centre which offers valuable services to the IGDS staff, graduate students and others.

Quality Assurance Report and Action Plan

The Action Plan was developed based on programming history and challenges faced by the IGDS. The areas that we have focused on and were successful in achieving gains are the revision of the graduate programme, development of IGDS CV+ approach, and the preparation of students for proposing the impact of their research in a bi-annual publication: *IGDS Impact*. Additionally, increasing some of the undergraduate course offerings with revised and new courses that are appealing to a diverse cross-section of students, and increasing the graduate student cohort; developing workshops and courses for external partners based on past requests and successful delivery, as well as new areas that stimulate growth possibilities for partnerships with industry and society. Three short courses were offered in Semester 3 of this academic year.

The IGDS also tendered research proposals to gain experience on research proposal writing and successfully bid for new research areas that need gender intervention. IGDS, SAU was part of two collaborative bids for funds.

The IGDS increased the level and intensity of outreach activity in a range of formats, especially through its web-based platforms and social networking. This was accomplished using the **#sparkfeminism** Instagram/poster approach to raise gender-consciousness and brand visibility; and through organisation of the International Women's Day (IWD) march each year.

Also articulated in the Action Plan is the need to implement clearly articulated and aligned programming, the need to address the administrative and management structure and

develop a succession planning strategy; and the need to re-constitute the Gender Advisory Board, particularly to support the IGDS Gender Justice Scorecard.

Graduation

Fifteen undergraduate students graduated with a minor in Gender Studies/Gender and Development from the IGDS. Ten students graduated at the postgraduate level, three of whom earned the Postgraduate Diploma in Gender and Development, six were awarded an MSc in Gender and Development, and one received an MPhil in Interdisciplinary Gender Studies.

Postgraduate Diploma

Candice Arthur Frederick
Richie Anne Daly

MSc

Rachel Thomas (Distinction)
Nirmala Chatar
Tivia Collins
Shelley Ann Hart
Darrell Francis
Tricia Basdeo
Sarah Nabbie

Top/Outstanding Students

Tivia Collins: MSc Gender and Development Studies (Distinction) – Awarded the Louraine Emanuel prize.

Strategy Appraisal Core Values

The Institute's staff continues to be productive, both in their personal research agenda and in their unstinting efforts during the last academic year to enhance the collective research profile of the IGDS. Graduate student research is also being aligned with the research themes identified by staff and the IGDS for informed and strategic research supervision and output.

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Ongoing Initiatives

Everywoman Everywhere

- IGDS is now part of this global network on GBV

The Everywoman Everywhere Coalition is a global group of more than 1,000 organisations, women's rights activists, scholars, and concerned citizens, from more than 120 countries, rallied around a singular belief in the right to a life free from all forms of violence for every woman, everywhere and who have come together to advance a singular goal: an international treaty on violence against women and girls worldwide. IGDS has agreed to be a member of the Global Coalition.

The UWI Gender Policy

IGDS participated in a meeting held on January 13-15, 2017 in Jamaica for rewriting the policy. Ongoing support is required for the finalisation.

Caribbean Child Rights Observatory Network (CCRON)

- July 2015

The Caribbean Child Rights Observatory Network (CCRON) hosted by The UWI's Institute of International Relations was established in 2014 as a mechanism for constructive and proactive engagement with CARICOM member states in support of the implementation of the Convention on the Rights of the Child. CCRON's main functions are therefore research, data collection and analysis, advocacy, policy and programmatic advice, and evaluation and monitoring of the CRC compliance. IGDS has agreed to be on the Advisory Council of CCRON.

Break the Silence(BTS) Network and Campaign

In an attempt to push forward the BTS Campaign, and its main goal to strengthen gender-sensitive prevention and response approaches to CSA and implications for HIV risk among youth, in November 2016 the IGDS, SAU launched a new annual outreach initiative titled **The Break the Silence Student Art Contest: Raising Awareness about Gender, Child Sexual Abuse and Implications for HIV in Trinidad and Tobago**. This new initiative is spearheaded by the IGDS with support from the US Embassy, Port of Spain. The

annual IGDS outreach initiative includes implementation of a full-day teacher training workshop at The UWI St. Augustine Campus in January/February every year. Along with a teacher training workshop, the annual IGDS outreach initiative will support participating teachers to implement BTS student art contests in their classrooms/schools aimed at raising student and community awareness about the BTS Campaign and CSA, gender and implications for HIV. As part of this annual outreach initiative, the IGDS is currently organising a panel of judges that will select contest winners and finalists. All contest winners, finalists and participating teachers schools will be recognised at an award ceremony at The UWI. A media launch of all BTS media outputs took place in June 2017.

UNDP, UWI HARP, IGDS and the LINKAGES project,

May-July 2016

Collaboration on the Trinidad study, "Gender-based Violence, HIV and Key Populations in Latin America and the Caribbean: A Qualitative Assessment".

Data Collector Training Workshop, May 10-14, 2016

The study will collect data on the nature of violence experienced by key populations, including men who have sex with men, sex workers and transgender women. This data is crucial to improve HIV-related programmes and policies, in particular those related to addressing barriers to accessing HIV prevention, treatment, and support services as well as access to justice. The study will be rolled out in Barbados, Haiti, El Salvador and Trinidad. Sommer Hunte, IGDS Research Assistant, will serve as Local Researcher for the Trinidad study under the guidance of Dr Paula Morgan.

Teaching, Learning and Student Development

A proposed foundation course, "Gendering Caribbean Studies" designed by Dr Sue Ann Barratt, in collaboration with **Amilcar Sanatan** was submitted for review to **Dr Debbie Mc Collin**, Coordinator for Development of FHE's new certificate programme on September 30, 2016. Three new courses were approved in the academic year

2016/2017. These include Introduction to Global Feminist Organising and Women's Organising, Social Media and Gender and The Personal is Political: Personal Narratives of Women Leaders.

Research and Innovation

A Sexual Culture of Justice Project

– European Grant (April 2017 to March 2020)

The University of the West Indies and its partner organisations have been awarded a Human Rights Grant from the European Union to carry out a project entitled “A Sexual Culture of Justice: Strengthening LGBTQI and GBV Partnerships, Capacity and Efficacy to Promote and Protect Rights in Trinidad and Tobago.” The project will be led by the IGDS which brings a keen understanding from its long history of research and outreach on gender and social change, public education, policy research and activism. The formal partners of the project include six local civil society organisations (CAISO, Friends for Life, I Am One, The Silver Lining Foundation, WOMANTRA, The Women's Caucus of Trinidad and Tobago) known for their work in advancing LGBTQI, one non-formal group (Say Something Trinidad and Tobago) and technical partners (The UWI Faculty of Law, the Equal Opportunity Commission, the Caribbean Male Action Network and the Caribbean IRN resource network). Dr Angelique Nixon, IGDS, will serve as the Lead Researcher for this project.

CSOs for Good Governance

– European Grant (March 2017 to February 2020)

The IGDS is a co-applicant on this project, which consists of a consortium of seven Civil Society Organisations (United Way Trinidad and Tobago (UWTT), Caribbean Natural Resources Institute (CANARI), The University of the West Indies St. Augustine – Institute for Gender Development Studies (The UWI IGDS), Women's Institute for Alternative Development (WINAD), Veni Apwann (VA), Network of NGOs of Trinidad and Tobago for the Advancement of Women (Network) and Environment Tobago. The objective of this project is to catalyse transformation to a more environmentally sustainable, socially just, inclusive,

accountable and resilient model of development and governance through supporting the effective involvement of civil society organisations (CSOs) in implementation of the 2030 Sustainable Development Agenda in Trinidad and Tobago.

CEDAW for Change Network: The Convention on the Elimination of all Forms of Discrimination Against Women (CEDAW) Workshop (April 24-26 2017)

The workshop titled “CEDAW for Change” organised by the Trinidad and Tobago CEDAW Committee (CEDAW Champions TT) and the Women's Human Rights Institute brought together representatives from various Ministries and NGOs. Over the three days, in-depth training sessions were conducted on Human Rights, the CEDAW Convention (its principles and obligations in the context of the Human Rights system, and how the conventions should be read and applied). The Committee (CEDAW Champions TT) will continue to meet regularly to review the recommendations from the workshop with the aim of identifying solutions. IGDS lent support by providing rapporteur services (two research assistants and one graduate student) over the three days and a final report.

Work/Life Balance and Ageing Populations Research Project May 1, 2015

Data collection was carried out at homes and other facilities for the aged population, interviewing managers and owners of these facilities. Expert interviews were also conducted; workshops were conducted with the employees of the Trinidad and Tobago Electricity Commission (T&TEC) setting the foundation for future corporate engagements; journals were completed by working persons; and an online survey of The UWI community was administered.

On September 23, 2016 **Professor Patricia Mohammed** and **Dr Cheryl-Ann Boodram** presented at the Equal Opportunity Commission Seminar “*Equal Opportunity and Non-Discrimination in National Budgeting*” at the Hyatt Regency Hotel, Port of Spain, Trinidad.

CENTRES AND INSTITUTES

An invaluable partnership was garnered through a Memorandum of Understanding between The UWI and the Societe D'economie Mixte D'amenagement De La Ville Du Lamentin/Company of Mixed Economy of Management (SEMAVIL) effective on November 25, 2016 for 36 months. This collaboration has attracted significant counterpart funding and expands the reach of the current project regionally. Corporate partnerships with T&TEC and the National Insurance Board of Trinidad and Tobago (NIBTT) are currently being established, expanding the reach and visibility of the project.

The team has also established connections with numerous local and regional associations and organisations, including the Alzheimer's Association of Trinidad and Tobago (AATT); The Palliative Care Society of Trinidad and Tobago; and the Mona Ageing and Wellness Centre, Mona, Jamaica.

The team is currently involved in preparing for publication and end-of-project conference in 2018 in addition to outreach activities.

Outreach

IGDS Reach: This is an annual, one week, post-CAPE feminist camp for young activists intended to begin feminist consciousness, raise and increase awareness of gender prior to students enrolling at The UWI.

IGDS Next: This is a series of workshops done at the 5th and 6th forms, which builds on the popular actions completed in Introduction to Women's Studies and Men and Masculinities in the Caribbean. Again, this is intended to begin feminist consciousness, raise and increase awareness of gender prior to students enrolling at The UWI, but led by undergraduate students.

IGDS Ignite: This is an undergraduate mentorship programme, involving events, fieldtrips and other activities.

IGDS CV+: This is a graduate development strategy aimed at grounding SAU graduate students in women's leadership in regional revolutionary movements in Haiti, Cuba and Grenada, facilitating regional travel to one of these countries as part of this grounding (Venture), increasing public engagement and media skills (Voice), increasing training for consultancies (Capacity). In other words, the goal is to increase job skills while challenging a neo-liberal approach to doing so.

IGDS Impact: This is an explicit focus on identifying the impact of IGDS research and outreach, and that of graduate students, for example, by building in a summary of research, impact into graduate students' final output – this is to be published in a bi-annual booklet titled IGDS Impact. It also involves building brand visibility, particularly with the #sparkfeminism Instagram and poster outreach, T-shirts and workshops.

IGDS Gold: This refers to relationship building with IGDS alumni.

IGDS Future Fund: Fundraising for future needs along with IGDS alumni.

Symposium

Indigenous Geographies and Caribbean Feminisms: Common Struggles Against Global Capitalism

IGDS and The Department of Geography

This historic symposium brought 25 Indigenous women activists from eight countries together in Trinidad for the first time. These countries are Bolivia, Honduras, Belize, Dominica, St. Vincent and the Grenadines, Guyana, Suriname, and Trinidad and Tobago. Our goal is to support the documentation and development of a field of Indigenous women's rights writing from the Caribbean, as well as to develop regional solidarities around Indigenous women's struggles in relation to logging, mining, water privatisation, land repatriation, state violence, and violence against women.

Public Forums

Marriage Act: Too Young Too Wed (In collaboration with the Coalition to End Child Marriage)

IGDS, in collaboration with the Coalition to End Child Marriage, hosted a public forum on the Marriage Acts in Trinidad and Tobago in commemoration of the International Day of the Girl Child.

Chair: Gabrielle Hosein. Panelists: Brenda Gopeesingh, Hindu Women's Organisation; Donna Da Costa-Martinez, Family Planning Association of Trinidad and Tobago; Khadija Sinanan, WOMANTRA; Asiya Mohammed, Conflict Women.

GATE: The Future of Higher Education and Development (in collaboration with SALISES)

Chair: Dr Angelique Nixon. Panelists: Dr Roger Hosein; Prof Rhoda Reddock; Makesi Peters; Amilcar Sanatan.

Eliminating Violence Against Women (SALISES and IGDS)

Chair: Professor Patrick Watson; Panelists: Lynette Seebaran-Suite, Attorney-at-Law and Women's Rights Activist; Asiya Mohammed, Founder and CEO, Conflict Women Ltd.; Wendell de Léon, Behaviour Change Therapist; Dr Gabrielle Hosein, Head, The UW IGDS SAU.

Book Launch

Indo-Caribbean Feminist Thought: Genealogies, Theories, Enactments

The West Indian and Special Collections, the Alma Jordan Library and the IGDS hosted the launch of the book, edited by Dr Gabrielle Jamela Hosein and Dr Lisa Outar.

Lunchtime Seminars

Allyce Woodhouse: *"Leading Like A Girl: An Ethnography of Female Cadetting in Trinidad"*.

Dr Sarah Chin Yuen Kee: *"The Psychology of Trauma"* (Lunchtime Seminar in commemoration of Mental Health Month).

Dr Mala Jokhan: *"I will never do it; I will break the spell"*: Breaking the Barrel-children Cycle.

Ramona Boodoosingh: *"Plural Legal Systems in Samoa: The Impact on Access to Justice for Survivors of Domestic Violence"*.

Nikoli Attai: *"Bullerman Carnival: Tourism and the Praxis of Caribbean Sexuality in Trinidad and Tobago"*.

Dr Christine Descartes: *"Who's Homophobic? Demographic Predictors of Attitudes toward Homosexuality among Tertiary Level Students in Trinidad"*.

Rudolph Ottley: *"The Untold Story of Women in Calypso from Chanterelle to Calypsonian, 1834-2014"*.

Brendon Jamal Thornton: *"Victims of Illicit Desire: Pentecostal Men of God and the Specter of Sexual Temptation"*.

Workshops/ Presentations

Gender-based Violence Healing Workshop (in collaboration with Wholeness and Wellness Counselling)

This workshop used art and poetry to discuss issues of gender-based violence, (especially for people who have experienced GBV) with a focus on women and sexual minorities (LGBTQI and gender non-conforming). Using Black feminist poet Audre Lorde's visionary praxis on the need to transform silence into language and action, this workshop offers space to do just that – share, transform silence, and create change. Participants were given prompts to create their own responses through writing and/or art focusing on creating awareness, speaking out, healing, and building transformation.

Water Education Manual Review Workshop

This workshop was conceptualised to provide a clear plan of action for the dissemination of the Water Manual; to identify key partner organisations in the process; and to finalise the content of the Disaster Preparedness module.

CENTRES AND INSTITUTES

Break the Silence Teacher Training Workshop

Break the Silence Student Art Contest: Raising Awareness about Gender, Child Sexual Abuse and Implications for HIV in Trinidad and Tobago. The inaugural workshop was held on Campus and included 10 teachers from eight secondary schools throughout Trinidad. IGDS plans to engage teachers in Tobago in future years. The purpose of the teacher training workshop is to provide teachers with a comprehensive understanding about the intersection between gender, CSA and high risk behaviour that lead to HIV. Coming out of these discussions from the workshop, IGDS has compiled a teacher training toolkit to assist teachers in their classroom advocacy efforts related to gender, CSA and HIV.

Strengthening Cross-Faculty Collaboration to Advance Gender Equity: An Association of Commonwealth Universities (ACU) Sponsored Workshop

This was a Gender-mainstreaming workshop hosted by the IGDS SAU and sponsored by the Association of Commonwealth Universities (ACU). The presenters covered four main themes: the history of the IGDS at The UWI, gender equity in the University, the research areas and projects the IGDS leads, and sharing knowledge about the best practices on raising gender consciousness in teaching, administration and outreach. The format of the workshop was participatory and the contributions of the participants significantly informed the discussions. The purpose of this report is to summarise the main points made by presenters and workshop participants at Strengthening Cross-Faculty Collaboration to Advance Gender Equity.

Facilitated Presentations on Child Sexual Abuse (For UNFPA and Ministry of Education)

The UNFPA and Ministry of Education launched a Health and Family Life Education project, which gives specific focus to the development of the sex and sexuality component of the current curriculum. Through some evaluation of the HFLE curriculum, it has been found that teachers, even those who have been trained, still have difficulty relaying sexual content to students. One way of alleviating some

of their concerns is through sensitisation training, led by specialists in the field. IGDS collaborated on this project by providing facilitation services on the area of child sexual abuse with secondary school teachers across Trinidad and Tobago.

International Men's Day 2016 ("Red Card" Rape Culture Workshop)

IGDS presented men with statements to which they respond with a "red card" in disagreement, "green card" for approval and a "yellow card" for uncertainty or mixed feelings. The statements that the young men responded to were developed around the themes of gender beliefs; women blame; consent; revenge pornography and; the normalisation of sexual violence by males. This activity gave the men the opportunity to see the diversity of attitudes held by other men. Moreover, recording the scores offered the facilitators the opportunity to see how effective the dialogues were in measuring changing attitudes as the workshop progressed.

Collaborations: Significant Days/Activism

Trinidad and Tobago Film Festival (ttff)

September 23, 2016

IGDS collaborated with the TTF and the Faculty of Law to show two films at the Noor Hassanali Auditorium. The films shown are *Battledream Chronicle* and Maya Angelou's *And Still I Rise*.

International Women's Day (IWD) - March 11, 2017

In recognition of International Women's Day celebrated globally on March 8, Life in Leggings TT hosted a Solidarity March and Rally under the theme "**Women's Rights are Everyone's Issues. Bring Yuh Message and Come!**" This event was organised by a coalition of NGOs, CSOs, and other organisations in collaboration with the Office of the Prime Minister, Gender and Child Affairs Division and UN Women. The coalition includes the Amalgamated Workers Union, CAFRA T&T, CAISO: Sex and Gender Justice, Conflict Women Ltd, Cherrise's Peaces, Firecircle!, I Am ONE, Institute

for Gender and Development Studies The UWI St. Augustine Campus, the Network of NGOs for the Advancement of Women T&T, the Organisation 18 for Abused and Battered Individuals, Say Something T&T, Side by Side We Stand, 2 Cents Movement, WINAD, WOMANTRA, Women Everywhere and YANA TT.

The Life in Leggings: Caribbean Alliance Against Gender-based Violence movement seeks to raise awareness around violence and empower women and girls to share stories of survival, sexual assault and harassment in the Caribbean region and diaspora. The march is the local installment of a broader regional movement carded for the same time and same day in Barbados, Antigua and Barbuda, Trinidad and Tobago, Dominica, The Bahamas, Guyana and Jamaica.

Film Screening "50/50" and Discussion – May 10, 2017

Co-Chairs Renuka Anandjit and Yolanda Simon.

As encouraged by the Vice-Chancellor, The UWI and the University Director of the IGDS, the IGDS St. Augustine Unit screened the film *50/50: Rethinking the Past, Present, and Future of Women and Power* at Lunchtime on May 10, 2017m as part of the global events on 50/50 Day.

Haiti Drive – October 2016

In the year 2010, the IGDS, and Is There Not a Cause (ITNAC) partnered in conducting a drive for necessities to send to Haiti after their detrimental earthquake. In October 2016 the IGDS conducted a similar drive to deliver goods and basic necessities to Haiti once again following Hurricane Matthew. Goods that were collected and shipped included sanitary napkins, over the counter drugs, toothpaste and toothbrushes, bars of soap, packs of new underwear, adult diapers, wet wipes, assorted Band-Aids and other related items.

Financial

The Outreach and Research team develops proposals and requests for funding for research and training programmes in the Institute. During 2017 the following projects were successful in obtaining grant funding:

- Work/Life Balance and Ageing: TT\$18,000
- Sexual Culture of Justice: €166,000
- Qualitative Study on Gender-based Violence: US\$36,000
- Association of Commonwealth Universities: £1,000

Indigenous Geographies and Caribbean Feminisms

With the assistance of the Gender Advisory Board, fundraising included short courses, grant applications, consultancies, sponsorship from the private sector and employment of an OJT (On the Job Training) staff member supported by the government.

Projected Activities for Academic Year 2017/2018

ACCESS

Plans for the new academic year include the development of a Professional Master's degree in Gender and Development Studies, and two short courses – Data Collection and Research for Development Practice: Considering Gender and Making People Visible; and Anthropology of Energy.

Workshops and training for the new year include a Gender-based Violence Healing Workshop; a UNESCO-funded Gender Studies workshop through IGDS, **University of Guyana** and **Anton de Kom University** of Suriname and a follow up workshop in Suriname with University of Guyana and Anton de Kom University of Suriname. Training include collaboration with the 2 Cents Movement (Artiste), and Secondary School Guidance Counsellors for Gender-based Violence training, and with Civil Society Organisations (CSOs) for Gender Responsive Budgeting Training. Gender Responsive Budgeting/ Scorecard Training is also planned for IGDS staff and graduate students.

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Other plans for the future include the curriculum review of the undergraduate programme, a Caribbean Cyberfeminisms Conference – and production of video teaching materials from the Caribbean; a Work Life Balance/ Ageing RDI-funded Project Conference and a Break the Silence Network and Campaign, Art contest and awards ceremony.

ALIGNMENT

In the area of alignment, the IGDS plans to host a number of public fora. These include a Pre-Budget Public Forum: Making Cents of the Budget; 16 Days of Activism; Gender-based Violence (GBV) Campaign – IGDS, Canadian High Commissioner Office and 2 Cents Movement; Changes to the Domestic Violence Legislation – IGDS and Equal Opportunity Commission (EOC); and Sexual Harassment Forum – “Board Room Bullies”.

The IGDS, in collaboration with United Nations High Commissioner for Refugees (UNHCR), Living Water Community and the Commonwealth Foundation will host a film screening for Human Rights Day.

Other plans include a Sexual Culture of Justice Project, a Panel Discussion on Gender Justice and a March around the Savannah (IGDS and CSOs) for International Women’s Day; Work Life Balance Conference: ‘Connecting the Dots’ – writing of book collection and the reconstitution of Gender Advisory Board.

AGILITY

International Men’s Day will once again see another “Red Card” Rape Culture Workshop and the production of the “Red Card” Rape Culture manual.

Other plans for the new academic year include the IGDS Reach for Rights Youth Camp and the CARICOM Model of a Prevalence Survey on Gender-based Violence – T&T Qualitative Component (UN Project).

Institute of International Relations (IIR)

Executive Summary

The Institute of International Relations (IIR) began the 2016/2017 academic year with a new director, **Professor Jessica Byron-Reid**, who took up office on August 1, 2016. The Institute had been guided smoothly and efficiently since **Professor Andy Knight’s** departure in December 2015 by **Dr Mark Kirton**. The Institute is extremely grateful to Dr Kirton for the excellent job he did during this period, particularly in the organisation of an impressive programme to celebrate the IIR’s 50th anniversary milestone. The 2016/2017 year marked the beginning of the IIR’s second half century and the focus has been on succession planning and new academic and administrative staff recruitment, programme and curriculum review, expanding our regional and international outreach and increasing the intake of international students, strengthening and defining more sharply the IIR’s focus and output, consolidating the **Diplomatic Academy of the Caribbean** (DAOC) and putting the IIR/DAOC on a sound financial footing in a challenging economic climate in Trinidad and Tobago and indeed the wider Caribbean. The following report elaborates on these items, highlights the progress that has been made in various areas, signals significant developments and, of course indicates the challenges that are being addressed.

Of particular significance is the progress made by the DAOC in offering training modules that have attracted enthusiastic participation from a range of public and private sector clients drawn from Trinidad and Tobago and from the wider Caribbean. The DAOC’s modules on Corporate and Diplomatic Protocol have also benefited a number of UWI students as they prepare themselves for the professional workplace. In terms of student initiatives, the Institute’s participation in 2017, together with students from The

UWI Mona, as part of a One UWI team in the **Harvard National United Nations Model Assembly** was a new and exciting departure which should have broader curriculum development benefits for St. Augustine students. Likewise, in 2016/2017, the IIR invested much time and effort in expanding students' internship opportunities with various international organisations, diplomatic establishments and non-governmental organisations. **Dr Georgina Chami** is to be complimented for her contribution to the two latter initiatives.

The IIR would also wish to highlight several examples of staff research output during 2016/2017, notably a significant publication on the history and future prospects for the evolution of the African-Caribbean-Pacific Group, co-edited by **Dr Annita Montoute**, various scholarly articles on the governance of climate change by **Dr Michelle Scobie**, an EU-LAC technical analysis of the prospects for Caribbean engagement with the Community of Caribbean and Latin American states prepared under the direction of Dr Montoute and various scholarly articles published by other staff members.

The Norman Girvan Library

The Norman Girvan Library undertook numerous facilities and service upgrades at the start of the 2016/2017 academic year. This included the installation of a new circulations desk, reinforced security mechanisms, the provision of more user lockers, upgrades to the Library's website and Facebook page, employment of two student assistants. Continued information literacy sessions for academic staff and students, and continuous training to update the skills of the library staff were also added to the host of upgrades to the library. The Library extended support services to the Integrated Threat Assessment Centre of the **National Security Council Secretariat**, and to the **Ministry of Foreign and CARICOM Affairs** in the organisation of specific events. The Library continues to welcome members of The UWI Community, and also a number of non-campus users who have access via special arrangements.

Although the Library, like the rest of the IIR and The UWI, experienced a reduced budget in the 2016/2017 academic year, it remains one of the finest repositories of International Relations literature and documents in the Caribbean, and an asset to the entire UWI Library collection. The library staff continued to provide valuable support for the IIR and DAOC teaching, research and short term training activities. The Norman Girvan Library is under the overall supervision of the Alma Jordan Library and works closely with the staff of that institution in providing services to the university community and other authorised users, and in making decisions on library acquisitions.

Significant events organised by the Library during the 2016/2017 academic year included training sessions for staff and students on using the EndNote x7 programme, on the use of the *Chicago Manual of Style 16th ed.*, and on plagiarism and thesis formatting. The Library also contributed to the IIR's 50th anniversary celebrations with a journal article publication featuring the boutique library services it offers (C. Farrell, T. Brathwaite. *The Informed Librarian Online*, September 2016); various poster displays which included a Timeline of the Library and Documentation Centre in August 2016, research output of the IIR staff in October 2016, and a commemoration of the formal opening of the IIR in February 1967. The Library also hosted **Library Game Days** in October 2016 and distributed promotional items as prizes. The game days were well attended by the student population and were designed to increase their information literacy and library awareness.

It should be noted that **Miss Yola Alleyne**, the first IIR Librarian who established the current library, and ran it for over two decades until her retirement, passed away in January 2017. A proposal, made by the IIR Senior Collegiate Group, to establish and name a student scholarship in her honour is under consideration.

CENTRES AND INSTITUTES

Diplomatic Academy of the Caribbean (DAOC)

As of January 2017, the DAOC was staffed by **Dr Khellon Roach**, Manager, **Zara Weekes-Rhyzer** Project Assistant and **Josef Walker**, OJT, the latter until the end of May 2017. By March 2017 under the energetic leadership of Dr Roach, the DAOC held several productive activities and initiated creative measures to increase the level of participation in its training sessions.

Students

Student enrolment at the IIR remained generally stable in 2016/2017. Three PhD candidates defended their dissertations in 2016/2017. Seven of the IIR students who have been awarded degrees or have defended their dissertations are from other Caribbean territories: The Bahamas, Barbados, Jamaica and Suriname. The Institute continues to emphasise its goal of increasing its regional and international student registration.

The IIR academic staff is engaged in a process of curriculum review which has multiple objectives and expected outcomes. It aims to create a smoother transition from the Diploma to the MSc programme, expand the number of specialisations offered within the MSc programme, introduce new course offerings and more professional workshops into the programmes, and utilise blended modes of course delivery so as to accommodate more students in a partial distance framework. It is hoped that the Diploma/MSc curriculum review will be completed during the 2017/2018 academic year.

As a precursor to future skills training workshop components of the programme, the IIR organised an all-day Academic Writing and Research Workshop for the MSc and Diploma students on October 28, 2016 to strengthen their writing skills. This will be an annual feature.

This year in the MPhil/PhD programme, the IIR focused on updating and strengthening the supervisory committees to ensure that students received optimal support and guidance in their research journey.

Staff/Student Liaison Committee and Student Development, Academic Enhancement Programmes

The Student Liaison Committee is seen as a major tool for communication between the staff and the student community, for getting feedback about student concerns and proposals for further improvements of their programme and overall experience while at the IIR. There were seven members of the Staff/Student Liaison Committee for 2016/2017 comprising library and teaching staff, full-time and part-time student representatives of all the teaching programmes. Two meetings were held in November 2016, and in March 2017. Matters discussed included security of the building and its environs, student amenities, the library, the curriculum, the assignments, student engagement, internships and career guidance. All matters received consistent attention from the administration. Priority was given in 2016/2017 to strengthening the security mechanisms at the IIR and to improving the student facilities by upgrading the Postgraduate Diploma/MSc and the MPhil/PhD lounges and study areas, acquiring new computers for the Computer Laboratory and completing renovations in the Library.

Harvard National Model United Nations (HNMUN) 2017

As part of the Vice-Chancellor's One UWI initiative, The UWI was represented from February 16-19, 2017 by a delegation of 16 students at the Harvard National Model United Nations (HNMUN). The team consisted of students from the IIR St. Augustine and from the Mona Campus. The IIR students were supported in their preparation by the dedicated efforts of **Dr Georgina Chami**, and by **Miss Ekana Mc Alister** who accompanied them to Boston and assisted The UWI Mona staff member, Dr Omar Hawthorne. The IIR and its students greatly appreciated the support and encouragement received from The UWI Vice-Chancellor and The UWI St. Augustine Campus Principal.

Four graduate students from the IIR represented Poland and participated in the work of the Disarmament and International Security Committee (GA-DISEC) and the Special Political and Decolonisation Committee (GA-SPECPOL). Students analysed and framed resolutions for two main topic areas. HNMUN is a replication of the United Nations General Assembly. It brings together over 3,000 students and faculty members for colleges and universities globally and allows participants to experience and tackle challenges associated with international negotiations and diplomacy. The students from IIR St. Augustine considered their participation in the 63rd HNMUN to be extremely enriching. Working in unison with The UWI Mona students reinforced their camaraderie, unity and commitment to regionalism. The IIR students hope to promote Model UN General Assemblies to a wider cross-section of the St. Augustine community and involve students from different disciplines through the formation of a Campus UN Club.

Internship Programme

Under the direction of **Dr Georgina Chami**, assisted by OJT, **Miss Fayrial Mohipath**, the IIR renewed its efforts to develop partnerships with external stakeholders and find suitable internship opportunities for its students. Participation in an internship programme offers personal development, professional training and networking benefits for graduate students. Internship programmes are also useful for the sponsoring/hosting organisations. The IIR received favourable responses from eight embassies, international organisations and NGOs, and placed some successful applicants for internships during the Summer 2017 period. The internship programme is envisaged as an annual Summer programme (June-August) although there may be some modification in exceptional cases. Most of these internships are tenable in Trinidad and Tobago and most are unpaid. Discussions are ongoing with some other public and private sector actors as the Institute seeks to expand the internship opportunities further.

Study Tour 2016 – Cuba and Panama

The IIR's study tours have been championed in recent years by **Dr Mark Kirton** who has worked tirelessly to arrange the itineraries and encourage the students in their fundraising efforts for the tours. From August 14-21, 2016, 26 IIR students accompanied by Drs Kirton and Laguardia and Miss Ekana Mc Alister travelled to Cuba and Panama on a study tour. In Cuba they visited the University of Havana's Centre for Caribbean Studies and benefited from presentations on Cuba's internal transformations and international relations. They were received at the Trinidad and Tobago Embassy, visited Mariel Port and the Industrial Development Zone and several places that are of cultural and historical interest. In Panama, the students visited the Panama Canal Zone and Museum, as well as other tourist sites. There was very appreciative feedback from the participants on this trip.

Unfortunately, due to the economic situation the study tour scheduled for the July 2017 to Guyana and Suriname did not take place. The Institute considers that there are major teaching and learning benefits in such travel opportunities and that they increase our competitiveness as a university institution. Therefore, it continues to explore ways and means of continuing the study tour programme in a period of budgetary austerity, also diversifying the travel abroad with other types of field trip activities.

Support Afforded to MPhil/Phd Students

During 2016/2017, support was granted to three MPhil/PhD students by The UWI Research and Development Fund to conduct fieldwork overseas or to attend conferences related to their thesis research. The IIR wishes to express its gratitude to the Office of Graduate Studies and Research for the support provided for these students. Additionally, the IIR has used its in-house Student Development Fund to support conference participation of some other MSc and MPhil students during the academic year.

CENTRES AND INSTITUTES

Outreach/Projects

The IIR's current research agenda is composed of the individual research agendas of its faculty members. These focus on commercial and financial developments in the international economy and their impact on Caribbean economies, the foreign policies and diplomacy of small states in the global political economy, their engagement of Caribbean states with their regional and international environments, their capacity to influence global governance structures and processes, their responses to international and human security challenges, and various themes in international human rights law and in environmental law and governance. The research projects of the Institute's PhD students are linked to many of these themes. The IIR is in the process of reviewing and rationalising its research agenda. Germane to this process are its academic recruitment processes and its research partnerships within The UWI and further afield.

CCRON

In 2014 the IIR concluded a MOU with UNICEF to establish a regional observatory as a mechanism for engagement with CARICOM member states to, among other things, monitor and support the compliance of CARICOM countries with the provisions of the **United Nations Convention on Children's Rights**. The MOU on which CCRON was based expired in 2016. **Roberta Clarke** from UN Women is currently Visiting Research Fellow at the IIR and she has assisted with revamping the CCRON project. An Advisory Committee has been constituted, consisting of the IIR, Caribbean Centre for the Development of Children, the Institute of Gender Studies Regional Headquarters and IGDS St. Augustine, URAP from The UWI Faculties of Law, SALISES Mona and UNICEF and the membership is being expanded to include various other regional universities and policy observatories. CCRON will now function as a network with the IIR as its secretariat. Principles to underpin and structure the cooperation among the partners have been agreed on. Currently its work includes a regional review of Caribbean reports to the CRC Committee, which is being done by Ms Clarke. SALISES Mona and CCRON are collaborating on the

preparation of a special issue of the CJIRD on Children's Rights for publication by the end of 2017.

The IIR is also collaborating with SALISES on the hosting of the **2018 Caribbean Child Research Conference** in Trinidad and on other research related to the protection of children in a project which is coordinated by **Dr Godfrey St Bernard**, Senior Research Fellow at SALISES and Adjunct Lecturer at the IIR. Finally, collaborative work is starting on the design of a cross-faculty course on Children's Rights. The IIR records its appreciation for the painstaking work of Ms Clarke to reignite and relaunch the CCRON and looks forward to working with her for the coming academic year.

EU-LAC Projects

In December 2015, the IIR won a grant of €21,000 for an EU-LAC Foundation project to conduct research on the Caribbean in the EU-CELAC strategic partnership. The lead researcher and coordinator for this project was **Dr Annita Montoute** with the other members being **Professor Andy Knight, Dr Jacqueline Laguardia, Dr Dave Seerattan** and **Dr Debbie Mohammed**. The research attempted to answer the broad question of how the Caribbean's participation in CELAC could be strengthened to boost both CELAC and the EU-CELAC relationship. The final report was submitted to the EU-LAC Foundation in February 2016 and is now available on the EU-LAC Foundation's website. The team leader was invited by the CARIFORUM Directorate, in consultation with the EU-LAC Foundation, to make a presentation of the report's findings at the CARIFORUM Retreat and Consultation in Jamaica in March 2017.

The IIR contributes to another EU-LAC foundation project entitled the EU-LAC Focus Project which involves a consortium of 19 European and LAC universities and centres examining EU-LAC cooperation across various sectors. The UWI's participation in Work Programme Five on the Social Dimension of EU-LAC Cooperation is led by **Professor Jessica Byron** working in collaboration with SALISES Mona colleagues **Professor Aldrie Henry-Lee, Dr Terri-Ann Gilbert-Roberts** and research assistants. This project runs

from 2016 to 2018 and the grant allocated to their part of EU-LAC Focus Work Package Five is approximately €17,000.

Project: “Changing Cuba-US Relations: What Implications for CARICOM States?”

This study is supported largely by The UWI Research and Development Fund and the in-house resources of the IIR and the researchers, **Drs Mohammed, Laguardia, Chami and Montoute**. The coordinating role previously exercised by Dr Debbie Mohammed was taken over by Dr Jacqueline Laguardia in the second semester of 2017/2018. This research examines the responses of the US, Cuba and the CARICOM to the new dynamic of US-Cuba relations and explores the potential areas for enhancing relations between CARICOM and Cuba. The project is ongoing.

IIR Workshops and Conferences

The IIR hosted two significant workshops this academic year. The first was the facilitation of a Future Threat Assessment workshop for the Integrated Threat Assessment Centre of the National Security Unit in the Office of the Prime Minister, February 6-7, 2017. The workshop had approximately 30 participants and was deemed to be highly successful by its organisers.

The second workshop was a joint effort by the IIR and colleagues from the University of Havana’s Centre for Caribbean Studies, held on March 13, 2017. The theme was “Cuba-US Relations in the New Environment: Possible Implications for the Caribbean”. Approximately 30 persons participated, including three colleagues from the University of Havana, **Ambassador Carlos Alzugaray, Milagros Martinez and Dr Ricardo Torres**, officials from the Ministry of Foreign and CARICOM Affairs, the Ministry of Trade, the private sector, trade unionists and civil society representatives, members of the university community from The UWI St Augustine, Mona and Cave Hill campuses, the OECS and CARICOM Secretariats.

Other Events

MOUs

On November 2, 2016, the Principal of The UWI St. Augustine and **H.E. Ambassador Socorro Flores Liera**, Secretary of Foreign Affairs of Mexico signed a five-year MOU between the IIR and the **Instituto Matias Romero, Diplomatic Academy** of the Ministry of Foreign Affairs of Mexico. The two institutes have already embarked on concretising their cooperation. In May 2017, a MOU was concluded between the IIR and the Organisation of Eastern Caribbean States which should lead to greater collaboration in future. The IIR has a number of other MOUs and is working to expand its cooperation agenda with the correspondent institutions in China, Cuba and Argentina among others.

Concluding the 50th anniversary Celebrations

The IIR’s 50th anniversary celebration concluded in fine style with three events. In Havana Cuba in December 2016, at the annual conference of the University of Havana’s Caribbean Studies Centre, the IIR received a special citation from the University of Havana’s Catedra del Caribe. The IIR also presented a panel at the conference on the history and contribution of the Institute, one which featured a video of various alumni speaking about the IIR’s impact on their professional and intellectual development. On February 15, 2017, authors **Mark Kirton and Khellon Roach** launched the commemorative history book of the IIR that they had compiled. The launch was well attended and many copies of the book have already been purchased, as well as distributed to the IIR’s large circle of friends and well-wishers. Finally, on May 12, 2017, the IIR held a retirement luncheon in honour of **Marilyn Ramon-Fortune and Dr Kirton**. A significant feature of this event was the presentation of long service awards to ten staff members.

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Diplomatic Academy of the Caribbean (DAOC)

The DAOC held a number of activities during the period under review.

- DAOC/IIR Diplomatic Dialogue: *"Cuba's Economy and Foreign Policy after the Re-establishment of Diplomatic Relations"*. Presentations were made by retired Cuban Ambassador Dr Carlos Alzugaray Treto and Dr Ricardo Torres Perez, Associate Professor at the University of Havana.
- Training Modules: *"Protocol and Diplomacy: A Guide for the Modern Professional"*. Facilitated by retired Trinidadian diplomats Miss Gail Guy and Ambassador Dennis Francis; and *"The Art of Corporate and Diplomatic Communication"*. Facilitated by Sharon Welsh, US based Communications Consultant and Adjunct Professor, Georgetown University.
- Intensive short course: *"Brazilian foreign policy in the 21st century"*. Facilitated by Professor Paulo Gustavo Pellegrino Correia, Professor of International Relations and Pro-Rector for Cooperation and International Relations, Federal University of Amapa, Brazil.
- Guest Lecture: *"CARICOM countries experiences of South-South Cooperation in the 21st Century: exchanges with Cuba and Venezuela"* to the students of the Cuban Instituto Superior de Relaciones Internacionales (ISRI) by IIR Director.
- Summer Executive Programme for Young Professionals: Two sessions on *"Protocol, Diplomacy and Business Etiquette 101"*, aimed at youth groups and students.

Publication of a new quarterly newsletter begun in 2017. This newsletter aims to raise visibility and the profile of the DOAC, and enhance its outreach with its wide cross-section of stakeholders nationally, regionally and internationally. The DAOC also launched its new website in August 2017 and continues to hold discussions with a number of partners concerning the scheduling of new Diplomatic Dialogues, and is deepening its engagement with partner institutions on other types of diplomatic and technical training.

Projected Activities for 2017/2018

Projected activities for the new academic year for the IIR include curriculum review of the Postgraduate Diploma and MSc programmes; various training modules in Protocol, Diplomacy and Business Etiquette to be carried out by the Diplomatic Academy of the Caribbean, as well as the commemoration of the 50th anniversary of Spain's diplomatic relations with the Republic of Trinidad and Tobago, in collaboration with the Embassy of Spain.

The IIR also plans to host workshops and forums on Climate Change and Role of Religion (in collaboration with the American University and the Woodrow Wilson Centre for Scholars); the Venezuelan Crisis (to be aired on UWI tv) and on the creative industries in the Caribbean (in collaboration with the University of Havana).

Distinguished Visitors

Maria-Elena Alcaraz

Head of Chancellery Embassy of the Republic of Mexico, Port of Spain, Trinidad and Tobago

His Excellency Yules Bish

Ambassador
Embassy of the Kingdom of the Netherlands

Carmen Castillo, MSc

Member of the Chair of Caribbean Studies 'Norman Girvan' The University of Havana, Havana, Cuba

Professor Iuri Cavlak

Professor of History
The Federal University of Amapa, Macapa, Brazil

Professor Paulo Correa

Professor of International Relations and Pro-Rector for Cooperation and International Relations Federal University of Amapa, Macapa, Brazil

Reinigen Deele

Director of the Cabinet of the Governor of St. Maarten
The Cabinet of the Governor of St. Maarten,
Philipsburg, St. Maarten

Dr Natalie Dietrich-Jones

Special Instructor and Research Fellow
The University of the West Indies, Mona, Jamaica

Antonio Herrada

Lecturer at the Faculty of Geography at The University of Havana and Member of the Chair of Caribbean Studies 'Norman Girvan' The University of Havana, Havana, Cuba

Marie Louise Holiday

Spouse of the Governor of St. Maarten
Philipsburg, St. Maarten

Eugene Holiday

Governor General of St. Maarten
The Cabinet of the Governor of St. Maarten,
Philipsburg, St. Maarten

Michele Lowe

Senior Coordinator, Hemispheric and Bilateral Negotiations
CARICOM Secretariat Office of Trade Negotiations and
The University of the West Indies, Mona, Jamaica

Professor Milagros Martinez

Secretary of the Chair of Caribbean Studies 'Norman Girvan'
The University of Havana, Havana, Cuba

Dr Ricardo Torres Pérez

Associate Professor at the Centre for the Study of the
Cuban Economy
The University of Havana, Havana, Cuba

Curtis J. Raynold

Graduate of the Class of 1980
Senior Advisor
The Hay Institute: Human Security in Practice,
Washington DC, USA

Professor Antonio Romero,

President of the Chair of Caribbean Studies 'Norman Girvan'
The University of Havana, Havana, Cuba

His Excellency Ambassador Fernando Schmidt

Ambassador of the Republic of Chile to the Republic of
Trinidad and Tobago
Embassy of Chile, Port of Spain, Trinidad and Tobago

Professor Timothy Shaw

Former Professor and Director,
Institute of International Relations
The University of the West Indies, St. Augustine,
Trinidad and Tobago

His Excellency Chandradath Singh

Former High Commissioner of Trinidad and Tobago
to China and India
Embassy of Trinidad and Tobago, Beijing, China and
Embassy of Trinidad, New Delhi, India

His Excellency Ambassador Nikolay Smirnov

Non-Resident Ambassador of Russia to Trinidad and Tobago
Embassy of Russia, Georgetown, Guyana

Professor Mike Smith

Former UN Assistant Secretary-General,
Adjunct Professor in the Department of Policing,
Intelligence and Counter-Terrorism
Macquarie University, Sydney, Australia

His Excellency Ambassador Paulo Traballi Bozzi

Ambassador of Brazil to Trinidad and Tobago
Embassy of Brazil, Port of Spain, Trinidad and Tobago

Dr Teruyuki Tsuji

Former Visiting fellow
Institute for the Advancement of Higher Education,
Hokkaido University, Sapporo, Japan

His Excellency Ambassador Guillermo Vázquez Moreno

Ambassador of the Republic of Cuba to the
Republic of Trinidad and Tobago
Embassy of Cuba, Port of Spain, Trinidad

Matthew Yngson

Executive Director
The Eastern Caribbean–South
East Asia Economic and Cultural Chamber,
Commonwealth of Dominica and Philippines

Seismic Research Centre (SRC)

Executive Summary

The UWI Seismic Research Centre (SRC) is the regional institution responsible for surveillance of, and fundamental research into, volcanoes and earthquakes for the English-speaking islands of the Eastern Caribbean. The SRC provides the governments of nine contributing territories with accurate and up-to-date information about earthquake, volcanic and other geologic activity, including 19 live volcanoes, in the Eastern Caribbean.

The research undertaken by the SRC is focused on developing a better understanding of the geologic processes at work in the region so as to reduce risk and promote sustainable development. To this end, the SRC plays an active role in promoting geologic hazard awareness and collaborates with local, regional and international agencies on research and outreach projects. The Centre operates the largest geophysical monitoring network in the Caribbean region. It provides a national seismological service for all of its contributing territories and a national volcanological service for five of them. Its mission spans the wide areas of monitoring, research, warnings and outreach and postgraduate teaching.

During the past year, the region maintained a high level of seismicity. The seismograph network recorded at least 7,982 earthquakes occurring in our area of responsibility, which represents an approximate 60% increase over the last reporting period. Locations for those of magnitude greater than 2.0 were determined for 2,357 of those recorded. At least 41 of these events were felt and there were six events of magnitude 5.0 and larger. The elevated state of earthquake activity noted in the region in recent reports appears to be intensifying with a general increase in activity along the arc, especially in the Antigua-Barbuda area.

The strongest earthquake for the period occurred, near the south-west of Tobago. It was strongly felt throughout Tobago, across Trinidad, and as far north as St. Lucia. There were more than 500 associated aftershocks up to the end of December. The area north of Dominica that generated a magnitude 6.0 earthquake in 2004 reactivated in recent years and continued to manifest a significant level of low magnitude earthquakes.

Aside from the aftershock zone of the December 6, 2016 magnitude 6.1 event, the densest concentration of epicentres for the year was seen in the Antigua/Barbuda area. The Paria Peninsula area is also maintaining its dense pattern of seismicity.

The **Kick-'em-Jenny** volcano erupted on April 29, 2017. The eruption was preceded by low level, low magnitude earthquakes, which began on April 8 and was followed by a short period of relatively high-level seismicity. The eruption was felt in northern Grenada and Martinique as an extended period of shaking. There was no surface evidence of the occurrence of the eruption.

Activity at the **Soufrière Hills Volcano** in Montserrat, which is now at a low level, continues to be closely monitored by the **Montserrat Volcano Observatory**, a facility managed by the SRC under contract with the **Government of Montserrat**. Other volcanoes in the region exhibited background levels of activity except for the **Boiling Lake** in Dominica, which experienced another episode of rapid reduction and refilling of the lake.

Our region has not seen its largest earthquake for well over 150 years and background seismicity in the region appears to be intensifying. It is for this reason that we seek to foster collaborations that allow us to enhance our monitoring and seismic hazard and risk capability, take an active role in promoting the development and legislation of building codes and our education and outreach thrust is maintained at a high level. To this end, several workshops were held at secondary and tertiary level institutions that focused on earthquake science and safety. There were week-long outreach campaigns in St. Lucia, Barbados, St. Vincent and the Grenadines.

Staff

Recruitment and Retention

Funding was provided for 24 members of staff through the recurrent budget of the SRC that is contributed to by the nine countries and approved by the Finance and General Purposes Committee. Due to budgetary restrictions only 19 of the budgeted posts funded by our recurrent budget have been filled. However, an additional 22 persons are employed on short-term contracts, specifically to assist with various grant and consultancy funded projects. One of the objectives of the SRCs' active search for extra-budgetary funding is to enable recruitment of staff on short-term contracts in order to fulfil the requirements of our full operations. Retention rates at SRC are generally high with >90% of all staff recruited opting to remain employed at the Centre.

Awards and Honours

Research student, **Michal Camejo**, who is also employed as a Research Assistant at the Centre, obtained a Commonwealth Split-site (PhD) Scholarship and spent one year attached to the University of Bristol from September 2016/2017.

Students

Deborah Robertson: (PhD in Volcanology) is working on 'Dynamics of Geothermal Systems in the Eastern Caribbean – modelling of the geophysical conditions of the Boiling Lake, Dominica'.

Michal Camejo: (PhD in Volcanology) is working on 'Deciphering the genesis of Soufriere magmas, St. Vincent'.

Omari Graham: (MPhil in Volcanology) is working on 'Assessment of the communication protocols used in Volcanic Emergency Management in the Eastern Caribbean'.

Racine Basant: (MPhil in Volcanology) is working on 'Improved well-targeting for Caribbean geothermal exploitation: An improved seismic velocity geothermometer', under the supervision of Dr Graham Ryan.

Graduation

Viveka Jackson successfully completed his MPhil (Volcanology) during the period under review.

Strategy Appraisal Stakeholders and Partners

The SRC main stakeholders are vulnerable island communities, including disaster management and other government officials, civil society and the private sector. Its operational focus is stakeholder-centred and during the period in review the SRC engaged in a range of activities, including the provision of scientific advisories and reports, educational lectures, student and public outreach, and workshops designed to disseminate scientific information derived from its monitoring and research.

Teaching, Learning and Student Development

The primary objective of SRC's postgraduate programme is to build a cadre of regional experts in volcanology and seismology who can have practical and direct bearing on sustainable Caribbean development. To this end, all students enrolled in programmes at the SRC are provided with in-house training on all monitoring techniques and assist routinely with at least one aspect of SRC's core operations, (including brief attachments to the Montserrat Volcano Observatory). They are therefore provided with practical and ongoing job experience in the fields in which their research is being undertaken and may be applied. Students are also encouraged and assisted to attend regional and international scientific conferences to present their research finding and interact with their peers.

Research and Innovation

The SRC's research agenda is dictated by its broad responsibility for monitoring, warnings and outreach to vulnerable island communities in the Eastern Caribbean. Its research is largely applied, but the SRC strives to maintain an appropriate balance and exchange between applied and basic research into the processes influencing the occurrence of earthquakes, tsunamis and volcanic unrest. In addition to the core disciplines of volcanology, seismology and tsunami

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science, the SRC has a strong public education and outreach programme, with the objective of building knowledgeable stakeholders, at all levels of society. It is constantly seeking and developing new ways to achieve its objective of building knowledgeable stakeholders, at all levels of society.

Completed

*STREVA: Strengthening Resilience
in Volcanic Areas*

Professor Richard Robertson, Stacey Edwards, Dr Joan Latchman, Dr Patrick Smith and Roderick Stewart

This project is a collaborative project with UK colleagues at the Universities of Bristol, Oxford and East Anglia, along with the British Geological Survey and the Overseas Development Institute. It is an innovative interdisciplinary project that aims to work collaboratively across different disciplines to develop and apply a risk assessment framework. It involves looking at ways in which communities respond to volcanic emergencies, and developing protocols for response. It brings together diverse researchers from universities and research institutes from within the UK and from those areas affected directly by volcanic activity.

Funding: Natural Environment Research Council, UK

Research in Progress

Management of the Montserrat Volcano Observatory

**Professor Richard Robertson, Roderick Stewart,
Dr Erouscilla Joseph, Dr Graham Ryan,
Dr Thomas Christopher, Dr Adam Stinton,
Dr Patrick Smith, Dr Karen Pascal**

Negotiations for a new management contract to run the Montserrat Volcano Observatory was significantly completed in 2016 with a new contract being signed to cover the period October 1, 2016 to September 30, 2021. Unlike the previous contract which was done jointly with the Institut de Physique du Globe de Paris of France, the new contract will be solely executed by the SRC. It enables the Centre to continue to be involved in monitoring and research on the ongoing eruption of the Soufriere Hills Volcano.

Funding: Government of Montserrat contract for a fixed sum of EC\$17.9.

*Seismic Microzonation Studies
in Trinidad and Tobago*

**Dr Ilias Papadoupoulos, Dr Joan Latchman,
Kafele Reddock, Lloyd Lynch, Stacey Edwards,
Professor Richard Robertson, Clewon Ash**

This is a project funded by the Ministry of Planning and Sustainable Development (MoPD), Government of Trinidad and Tobago to pursue the microzonation of ten cities and major population centres in Trinidad and Tobago over the next 10 years. The data collected will be used by planners and engineers to guide future building construction in Trinidad and Tobago. In 2017 the TTMP continued its fieldwork operations in four fields: Port of Spain, San Fernando, Southern Tobago and Diego Martin.

The acquisition team gathered more than 800 single-site recordings in these four areas. Processing of the data collected continues and thematic maps, with regards to the resonance frequency of the sediments are being produced. Furthermore, Microtremor Array Measurements have been acquired in all fields to assist in the determination of the shear wave velocity of the sediments. These data are also being processed to produce velocity profiles in these areas. In addition to the experimental methods mentioned above, simulation of each basin has been performed in an effort to produce synthetic seismograms and determine the transfer function of sediments in these areas.

The team has a new addition, **Celeste Sobion**, MSc Geophysicist who is working on the strong motion network currently being installed in Port of Spain. Technical reports for the first three areas are in preparation for submission to the MoPD in the first months of 2018. Additional monthly and quarterly reports have been submitted to MoPD all through 2017.

Funding: Grant from the Ministry of Planning and Sustainable Development; a total of TT\$1.2 million will be received in grant funding during the course of this project which ends in 2020.

Disaster Risk Management in the Caribbean, Support for the Seismic Research Centre, The University of the West Indies [2015-2018]

Dr Graham Ryan, Dr Erouscilla Joseph, Stacey Edwards, Roderick Stewart, Professor Richard Robertson

This is a project funded by the Government of New Zealand through its Ministry of Foreign Affairs and Trade that involves GNS Science of New Zealand providing assistance to the SRC in building capacity in continuous monitoring of volcano-hydrothermal systems using remote techniques, ground deformation monitoring using remotes sensing and improved alerting systems for volcanic emergencies.

Funding: Ministry of Foreign Affairs and Trade, New Zealand, NZ\$730,000.

Monitoring Volcano-Deformation in the Eastern Caribbean Combining the Existing GPS Network with ALOS/ALOS-2 Data [2016-2018]

Dr Graham Ryan, Dr Karen Pascal

This is a research project funded by the Japan Aerospace Exploration Agency that seeks to develop an effective means of monitoring volcanic ground deformation in the Lesser Antilles using satellite data.

Funding: Japan Aerospace Exploration Agency (JAXA), US\$270,000 [Value of the data].

Improved Well-targeting for Caribbean Geothermal Exploitation

Dr Graham Ryan, Racine Basant

This project uses geophysical and petrological data to among other things, determine drilling targets in Caribbean geothermal system.

Funding: Campus Research and Publication Fund, US\$11,261.

Investigation of Mineralogical and Chemical Reactions and Associated Metal Enrichments in the Sulphur Springs Geothermal System through Quantification of Chemical Alteration Associated with Acidic Hydrothermal Systems in Volcanic Rocks.

Dr Erouscilla Joseph

Chemical and mineralogical quantification of alteration reactions associated with hydrothermal systems, as well as the composition of the parental rocks can provide valuable information on both island-arc volcanism and subsequent geothermal systems that form within the volcanic sequence. High-temperature geothermal systems such as Sulphur Springs can be enriched in a variety of precious- and base-metals and other elements that are also enriched in certain hydrothermal gold-silver systems and in porphyry copper systems. Hence, chemical data on the extent and intensity of rock alteration, including precious metal distribution patterns, is of significant scientific and economic interest.

Funding: Campus Research and Publication Fund, TT\$57,524.

UKGCRF: "Harnessing 'Citizen Science' to Reinforce Resilience to Environmental Disasters: Creating an Evidence Base and Community of Practice."

Dr Erouscilla Joseph, Professor Richard Robertson

The broad aim of this project is to understand how citizen science is currently applied to Disaster Risk Reduction (DRR) objectives in the face of natural hazards, and how it might be more effectively applied in the future. One of the major outcomes of the workshop is the design of a project to be employed in St. Vincent, which utilises the concept of Citizen Science to help improve resilience to disasters.

Funding: NERC - Global Challenges Research Fund: £157,815.

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Outreach

Despite the fact that the SRC's core mandate has historically revolved around monitoring and research, these pursuits have never been perceived as an end in themselves. While monitoring and research feed into and support each other, their products are intended for educating stakeholders and informing development. In this regard, the Education and Outreach (E&O) programme of the SRC aims to bridge the gap between the science of the geological hazards monitored by the SRC and public understanding and knowledge of these phenomena in the region. The programme consists of student outreach, stakeholder sessions, special projects and collaborations throughout the islands with the aim of raising awareness to the geological hazards and helping to reduce the risk via preparedness and mitigation messages.

Student Outreach

With the move to a new building completed during the previous year, our focus shifted to developing a new tour route and an area for hosting tours. However, due to unforeseen circumstances, tours to the Centre were indefinitely postponed until the upcoming academic year. Instead, schools were visited and presentations given to various schools and camps in Trinidad and Tobago. The E&O team also participated with booths at certain school events.

Science and Safety Sessions

Science and safety presentations on earthquakes, volcanoes, tsunamis, or all three hazards are given to private firms, government offices and other entities in Trinidad and Tobago upon request. For the reporting period, fourteen sessions were conducted with staff or members of various agencies.

Collaborations/Special Events

Caribbean Science Youth Forum

The SRC was invited to participate in the National Institute of Higher Education, Research, Science and Technology (NIHERST) annual Youth Forum. The Caribbean Youth Science Forum (CYSF) is a regional event that brings together Sixth Form Science students from all over the Caribbean for a full week of educational, social and cultural activities. The students participate in lectures and discussions, workshops, field trips, projects, sports and social activities and interact with scientists. The SRC hosted a session with the students with a focus on generating interest in various geoscience careers.

Visit by the new Pro Vice-Chancellor (PVC) for Graduate Studies

In October 2016, the SRC hosted the new Pro Vice-Chancellor for Graduate Studies, Professor Dale Webber for a short visit. The PVC met with staff and had discussions with the Director and Research Fellows regarding the research undertaken at the SRC.

World Tsunami Day

On November 5, 2016, the SRC's staff joined the international Disaster Risk Reduction community in commemorating World Tsunami Day with a photo and key safety messages. The photo was shared on the SRC's social media platforms and the international online campaign.

Earth Science Week, St. Lucia

The SRC ended 2016 with the annual commemoration of Earth Science Week. The theme for this year was, "Our Shared Geo heritage." As such, it was decided that the island of St. Lucia would be ideal to commemorate this theme as there are many geoheritage sites on the island. To this end, the Centre collaborated with the National Emergency Management Organisation (NEMO and the Soufriere Regional Development Foundation (SRDF) to plan and execute various activities throughout the island. The SRC's main objectives for Earth Science Week 2016 were to sensitise the public to St. Lucia's and the region's vulnerability to geological hazards and to increase awareness of the potential impact of these phenomena. The theme chosen for the week was "Let's preserve our geo heritage for future generations". The week of activities included primary school workshops, specific stakeholder training sessions, a community meeting, a media campaign and the launching of an art competition in the Soufriere region.

Launch of MVO 'Volcano Stories'

2017 began with the launch of 'Volcano Stories' in Montserrat. The Centre, in partnership with the Montserrat Volcano Observatory (MVO) published 26 winning entries from the 2013 MVO creative writing competition where, teenagers and children were invited to submit stories under the theme: 'A Volcano's Touch'. Various Caribbean authors illustrated these stories and the book was officially launched at the Governor's residence, with several of the young authors in attendance.

SHELL Sacoda Serv Limited STEM (Science, Technology, Engineering, Math) Fair

At the request of Sacoda Serv, SHELL Trinidad Marketing Partner, the Centre participated in the company's STEM fair and prize giving ceremony event. This project seeks to enhance the impact of local STEM education, through innovative techniques and experiential learning. Students from the participating schools were invited to the fair and visited the Centre's booth where they obtained information on the hazards monitored by the SRC and also participated in games.

SHELL Sacoda Serv Limited STEM (Science, Technology, Engineering, Math) School Sessions

Following on from the SHELL STEM Fair, the SRC was requested by SacodaServ to participate in school sessions with the aim of boosting STEM interest among secondary school students. A team participated in a workshop session at the Trinity School, Moka, Trinidad where students were given science and safety information, but also information on various careers in Earth Sciences.

Earthquake and Tsunami Smart Week Barbados

The Disaster Emergency Management (DEM), once again invited the SRC to conduct a week of outreach activities throughout the island. The theme was: 'Be aware, prepare, know what to do: Don't let earthquakes and tsunamis catch you unaware'. For the 2017 campaign, the DEM sought to connect with the disabled community, as March is also Disability Awareness Month. The SRC's primary objective for this week was to continue to raise the awareness of both the earthquake and tsunami hazard, with respect to Barbados, and provide the necessary safety messages via different methods for both the student and specific stakeholders. It is hoped that the outreach work conducted will motivate the younger generations to adopt the relevant safety measures and share the information learnt with fellow students, family members and relatives. As part of the awareness campaign, Barbados centric posts were designed and posted on SRC's social media pages. These posts sought to provide interesting information regarding these hazards and also engage the followers in a conversation on these hazards and the safety messages.

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Volcano Awareness Week, St Vincent and the Grenadines

This year, Volcano Awareness Week (VAW) was commemorated in April 2017 in partnership with the National Emergency Management Organisation (NEMO) and the Soufriere Monitoring Unit (SMU). VAW activities included the customary school workshops with a new activity based on role play during a volcanic eruption scenario introduced to sensitise persons to volcanic hazard management. Stakeholder sessions and media interview were also done and the week ended with an educational field tour of La Soufriere.

Prize giving Ceremony for Earth Science Week (ESW) St. Lucia Art Competition

In 2016, an art completion was launched during ESW in St. Lucia. The art competition sought to encourage primary school students in the town of Soufrière and environs to go on a journey to explore and better understand their natural surroundings through artistic expression. The competition theme “My Volcano, My Home” was selected to motivate students to capture the influence of their vibrant natural surroundings on their daily lives. Entries were required to focus on one of four designated categories; (Benefits of living with a volcano, Our Geo heritage, Volcanic Hazards, and Be Prepared) and to reflect an informed visual expression of the artists’ ideas. This competition formed part of the SRC’s ongoing drive to promote an improved understanding of geological hazards via the educational system within the Eastern Caribbean. Fourteen pieces were submitted and after being judged by a team from both SRC and St. Lucia, the winners were announced and prizes distributed at an event in Soufriere in April 2017. The SRC’s Director, Professor Richard Robertson and Thais Henry-Ramos represented the SRC at the event.

National Gas Company (NGC) Bocas Lit Fest

Following the launch of ‘Volcano Stories’, the SRC put forward the storybook for consideration at the Trinidad and Tobago NGC Bocas Lit Fest in April 2017. The proposal was accepted and Natalie Edgecombe from the MVO and the Education and Outreach team attended two events where stories from the book were read to students of various age groups. The exposure of the book to young minds and also the Caribbean literary circle helped raised the profile of the SRC and served as a new technique to deliver information about the hazards the SRC monitors.

Seismology in Schools (SIS) Student Internship

As part of an effort to invigorate the SIS programme in Trinidad and Tobago, a week-long internship at the SRC was offered as part of the winning prize for the competition held among the eight pilot schools. Students of the Couva East Secondary school joined the Centre for one week in April 2017. They got a chance to experience work in the different departments and also produce an earthquake safety video that would be used by the Centre in outreach events. At the end of the internship, the video was shown to staff and the interns were presented with certificates.

Creating Opportunity from Research Experience (C.O.R.E.)

There were no CORE interns at the SRC in 2016. The SRC offered its seventh, eight-week summer internship programme for tertiary level students interested in pursuing geoscience careers at the end of the 2017 academic year (June-August). Projects were available in the Education and Outreach, Geophysics and Electronics at the SRC in Trinidad and Seismology at the Montserrat Volcano Observatory in Montserrat. Four interns were selected and had an opportunity to work closely with a supervisor on a specific project, as well as gain experience within each department at the SRC. The aim was to provide a full understanding of how the SRC operates. At the culmination of the time period, the interns were required to make oral presentations on their project.

Partnerships and Collaborations

Inter and Intra-Faculty

The Centre established a number of Inter and Intra-Faculty collaborations and partnerships. These include partnerships with the Disaster Risk Reduction Centre, Mona Campus [Dr Barbara Carby]; Department of Geomatics Engineering and Land Management, St. Augustine Campus [Dr Keith Miller]; Institute of Sustainable Development [Dr David Smith]; Department of Chemistry, St. Augustine Campus [Dr Denise Beckles]; Department of Chemical Engineering, St. Augustine Campus [Dr Oshaine Blake] and the Department of Geography, St. Augustine Campus [Dr Matthew Wilson].

Academic Institutions

Collaborations and partnerships with academic institutions included the University of Southampton, UK [Dr Paul Cole]; University of Leeds, UK [Professor J. Neuberg]; University of Oxford, UK [Professor D. Pyle]; University of Bristol, Department of Earth Sciences, United Kingdom [Professor J. Blundy, Dr Elena Melekhova, Professor R.S.J. Sparks]; Université des Antilles, Département de géologie, Guadeloupe [Professor Jean-Frédéric Lebrun] and University of East Anglia, School of Environmental Sciences, United Kingdom [Professor Jenni Barclay, Professor Roger Few and Dr Peter Simmons]. Partnerships were also established with the Department of Oceanography, University of Rhodes Island, United States [Professor Steve Carey]; Incorporated Research Institutions for Seismology [Dr Bruce Presgrave]; British Geological Survey, United Kingdom [Drs Sue Louglin, Katy Mee, Melanie Duncan]; Grand Valley State University, USA [Dr John Weber] and the University College, London [Professor Steve Hailes, Dr Chris Kilburn].

Monitoring and Disaster Management

The SRC partnered with a number of institutions, both regionally and internationally in the area of monitoring and disaster management. These included the Instituto Nazionale di Geofisica e Vulcanologia, Italy; Institut de Physique du Globe de Paris, France; Instituto Geofísico de la Escuela Politécnica Nacional, Ecuador; Montserrat Volcano Observatory, Montserrat; Puerto Rico Seismic Network,

University of Puerto Rico and the Fundacion Venezolana de Investigaciones Sismologicas (FUNVISIS), Venezuela. Other institutions include the Coastal Zone Unit, Barbados; Earthquake Unit, The UWI Mona Campus, Jamaica; Caribbean Disaster Emergency Management Agency; National Disaster Coordinators in the Eastern Caribbean and GNS Science, New Zealand.

Research and Grant Funding

Linkages were made with institutions to collaborate on research, as well as to gain funding. Research and grant funding collaborations were made with the following agencies:

- World Bank
- Caribbean Development Bank
- Natural Environment Research Council, UK
- European Commission Seventh Framework Programme (FP7)
- US Agency for International Development
- National Science Foundation, USA
- Caribbean Catastrophic Insurance Facility
- Ocean Exploration Trust
- Ministry of Foreign Affairs, New Zealand

Financial

Contributions made by territories in the Eastern Caribbean, for which the Centre provides a service, improved significantly during the reporting period resulting in the significant reduction in the SRC's 2013-2014 budget being partly alleviated. The Centre continued to lobby vigorously for payment of outstanding debts at the same time that it raised additional income from external grants and contracts for projects. Staff members continue to provide 100% of any proceeds from individual consultancies into the SRC Departmental Consultancy Fund (DCF). Funding from the SRC Departmental Consultancy Fund, along with various grants from external sources, currently provides for 17-20 members of SRC staff being employed on short-term contracts. One of the objectives of the active search for extra-budgetary funding is to enable recruitment of staff on such short-term contracts to enable the fulfilment of

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SRC's complete mandate. Funding obtained from grants and consultancy for the reporting is estimated to have been about TT\$1.5 million/year.

Projected Activities for the 2017/2018

ACCESS

For the 2017/2018 academic year, the SRC plans to develop and improve existing facilities for post-graduate students including: new offices, improvements in library services, support and encouragement to attend on overseas conference per year, training in monitoring techniques, attachment to the Montserrat Volcano Observatory, and accessing funds for attachments to collaborating universities for specialised training.

ALIGNMENT

Within the area of alignment, the SRC plans to deploy the collaborative project, VIOLA (Volatile recycling at the Lesser Antilles). This is a collaborative project with several UK institutions (including Bristol, Durham and Imperial College). It involves deployment of Ocean Bottom Seismometers and the conduct of active source experiments to collect a series of seismic profiles across the plate boundary. The SRC also plans to move forward with the *Volcano-Ready Communities in St. Vincent project*. This is a project funded by a grant of US\$618,700 from the Community Disaster Risk Reduction Fund administered by the Caribbean Development Bank that is being done in St. Vincent, in collaboration with the National Emergency Management Organisation of St. Vincent and the Grenadines. It involves the provision of scientific information and its downscaling to support community level volcano contingency planning, community-led multi-hazard mapping and capacity building for disaster risk reduction.

The SRC also plans to focus on updating its website, as well as to make more effective use of social media and developing video products.

AGILITY

The SRC plans to explore options for developing and expanding work in terms of geothermal consultancy services. This will involve an investigation of the demand for, and requirements of providing professional services to geothermal production companies in the Eastern Caribbean. The outfitting and occupation of the entire new SRC building is also planned for the new academic year, as well as the re-location of computer servers to the new building, and expansion of the SRC IT infrastructure. This will be done to satisfy the demands of increased monitoring in response to the projects being currently pursued or coming on stream (TSUAREG, VSAT, strong motion - local and CRIFF, etc.).

Distinguished Visitors

Dr Salman Ashraff

Remote Sensing Scientist
GNS Science, New Zealand

Sir Arthur Lewis Institute of Social and Economic Studies (SALISES)

Executive Summary

The Sir Arthur Lewis Institute of Social and Economic Studies (SALISES) at St. Augustine (SA) enjoyed a very successful academic year. Once again, staff participated in the teaching programmes of the Institute, and of the wider Faculty, and continued supervision of Master's, MPhil and PhD students. The Institute continued its scholarly, professional and outreach activity, which resulted in the publication of journal articles and technical reports, the publication of Caribbean Dialogue, the provision of consulting and executive training programmes and the public discussion series, the SALISES Forum.

Enrolment

The SALISES (SA) continued its drive to recruit more students at the MSc and MPhil/PhD level. In the 2016/2017 academic year, there was an intake of 12 students in the MSc Development Statistics programme, and four in the various MPhil/PhD programmes.

Core Strategic Focus

Teaching at the SALISES is strictly at the graduate level, so all teaching and learning outcomes are related to graduate studies. Its MPhil and PhD students continued to make strides through their seminar presentations, attendance and presentation of papers at conferences. Graduates from the MSc Development Statistics programme continue to obtain jobs in critical domains where their acquired skills are appreciated. The programme is gaining popularity insofar as it is filling a void in spheres where skills, akin to development policy and applied quantitative skills, are needed.

Four students in the PhD programme, and nine students in the MSc Development Statistics programme graduated in the 2016/2017 academic year.

Antoinette Stewart successfully defended her PhD thesis and was awarded the degree with high commendation.

Research and Innovation

The SALISES research programme continued apace, resulting in the publication of articles in regional and international journals, book chapters and technical papers. These covered areas, all related to the Caribbean, such as poverty, natural disasters, crime and violence, human resource development, social cohesion and innovation.

The Institute continued work in the areas of Climate change and its impact on water security and coastal regions in the Caribbean; Poverty; Ageing; Sports and development; Vulnerability; the financial sector in the Caribbean; Caribbean growth and development; Injury Prevention and Safety Promotion; Population Dynamics in the Caribbean; and Competitiveness and innovation in the Caribbean.

Faculty Outreach

The Institute continued its very popular and informative SALISES Forum, a public education exercise which deals with topics of national, regional and international interest. Topics treated during the 2016/2017 academic year were GATE; the US Presidential Election 2016; Eliminating Violence Against Women; Post-Budget Forum; and International Women's Day.

SALISES Conference 2017

The SALISES (SA) was responsible for the hosting of the 18th Annual SALISES conference over the period April 26-28, 2017. The theme of the conference was *Small Nations, Dislocations, Transformations: Sustainable Development in SIDS*. The conference was very successful, attracting over 100 papers. Professor James A. Robinson, University Professor, University of Chicago's Harris School of Public Policy was the 2017 Sir Arthur Lewis Distinguished Lecturer at the Conference. **Anya Schnoor**, President of the Bankers' Association of Trinidad and Tobago, gave the feature address at the opening ceremony.

Projected Activities for 2017/2018

Teaching and Scholarship

Staff members will continue teaching and graduate supervision of students enrolled in the SALISES programmes. The Institute expects to admit a further five to ten students to the MPhil/PhD programme, and about 12 to the MSc Development Statistics programme. It expects at least three students to graduate with the PhD degree during the coming academic year. SALISES (SA) also expects that about 9 students shall graduate from the MSc Development Statistics programme. Staff members will also be teaching and supervising students enrolled in the SALISES MSc programmes on the Mona Campus, as well as in the programmes of the wider Faculty of Social Sciences.

Research

Staff members will continue advancing in research around the following themes:

- Social Accounting Matrices (and extensions) for the Caribbean, with applications to poverty, human capital formation and income distribution.
 - Computable General Equilibrium modelling of the Caribbean Economy, with applications to trade, poverty, income distribution and the environment.
 - Poverty, poverty reduction and inequality with special reference to the Caribbean.
 - Sport and development in the Caribbean.
 - Measurement of Social Phenomena in Caribbean Society.
 - Homicidal Patterns in Trinidad and Tobago.
 - Return Migration and Transnationalism.
 - Population Dynamics in the Caribbean.
 - Growth, Competitiveness and Development Issues in the Caribbean.
 - Coastal zone adaptation to Climate Change.
 - Climate Change Impacts on Water Resources in the Coastal Zones of Small Island Developing States.
- The Role of Education in Competitiveness: A Framework for Benchmarking the Education System in the Caribbean.
 - Sports Tourism in Jamaica: A Global Value Chain (GVC) Approach.
 - A Firm-based Framework for Assessing the Competitiveness of Regional Firm.
 - Barbados Case Study: Automotive Art – The Franchise Success Story a Value Chain study of the Hotel accommodation stock in Trinidad and Tobago.
 - A competitiveness study of potential energy service markets in Latin America.
 - An innovation index for Caribbean firms.
 - A Cluster Study of the Cocoa Industry in Trinidad and Tobago.
 - Governance challenges for Trinidad and Tobago and Cross-Border Migration from Venezuela to Trinidad and Tobago.

Research Grants

The SALISES will continue its aggressive pursuit of funding through research grants, especially from international donor agencies.

SALISES Forum Series

The SALISES Forum series will continue in the academic year 2017/2018, with the intention to have two sessions per semester.

Sir Arthur Lewis Day

In January 2018, SALISES (SA) will launch an annual event to be called the **Sir Arthur Lewis Day**, which will consist of a Sir Arthur Lewis Memorial Symposium, and a Sir Arthur Lewis Distinguished Lecture. This event will be held for the first time in 2018.

SALISES Research Days

In February 2018, SALISES (SA) will host its first-ever **Research Days**. This event is designed to showcase for the public, and for taxpayers, the research being done at SALISES; provide an opportunity for SALISES' academic staff to present aspects of their own research in a public forum; provide an opportunity for MPhil/PhD students to present their seminars for assessment; hold an exhibition of SALISES (SA) publications; and use the occasion as a recruitment tool for new research students.

Symposium on the Future of the Left in the Caribbean

In March 2018, SALISES (SA) will host a symposium on *The Future of the Left in the Caribbean*. This symposium will assess the legacies of Maurice Bishop, Forbes Burnham, Fidel Castro, Cheddi Jagan and Michael Manley.

Revenue Generating Activities

The Institute at St. Augustine will continue its **Executive and Professional Training programmes** and will be aggressively seeking after institutional consultancies, locally and internationally, in partnership with other UWI departments and divisions, like the **Office for Knowledge Transfer** and the **UWI Consulting Company**.

The SALISES (SA) intends to strengthen itself in a number of areas. These include conducting specialist training in specific subject-matter areas based on selected course offerings from the MSc Development Statistics; revising the method of admitting research students through the use of verbal presentations by applicants to specialised panels. This will be done in order to assess the research proposals of those applicants whose proposals are deemed worthy of further consideration by SALISES academic staff.

SALISES also plans to recruit more graduate students from the UWI-13 countries and promote greater research on these countries; as well as foster greater interdisciplinary research involving, if necessary, scholars from outside of the Institute and The UWI.

Distinguished Visitors

Amelia Appleby
Special Advisor
Falkland Islands

Professor Rose-Marie Belle Antoine
Dean
Faculty of Law,
The University of the West Indies, St. Augustine Campus

Shera Alexander Benjamin
O.A.B.I.: Organisation for Abused and Battered Individuals
Trinidad and Tobago

Victoria Collier
Special Advisor
Falkland Islands

Dr Daren Conrad
Department of Economics,
The University of the West Indies,
St. Augustine Campus

Marla Dukharan
Chief Economist
RBC Royal Bank
Trinidad and Tobago

Ansley Garrick
Assistant Commissioner of Police
Trinidad and Tobago

Carol Goddard
School of Education (Retiree)

The Honourable Ian Hansen
Member of the Legislative Assembly
Falkland Islands

Dr Gabrielle Hosein
Head
Institute of Gender and Development Studies
The University of the West Indies, St. Augustine Campus

Professor Gerard Hutchinson
Professor of Psychiatry,
Head of Clinical Medical Sciences,
Faculty of Medical Sciences,
The University of the West Indies St. Augustine Campus

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Dr Angelique V. Nixon

Lecturer
Institute of Gender and Development Studies
The University of the West Indies, St. Augustine Campus

Professor Rhoda Reddock

Deputy Principal
Office of the Deputy Principal
The University of the West Indies, St. Augustine Campus

Rhona Rogers

Office of the Member of Parliament for D'Abadie/O'Meara

Professor Dale Webber

Pro Vice-Chancellor
Graduate Studies and Research
The University of the West Indies

Mark Wilson

Journalist
Trinidad Guardian and The Economist

Sport and Physical Education Centre (SPEC)

Major Accomplishments Employee Engagement

In an effort to ensure SPEC provides the best possible service to its internal and external customers, **Nadia James** and **Danielle Hernandez** attended a workshop that introduced different ways employees can have a better relationship with their customers. **Dr Deirdre Charles** presented at the workshop. Nadia James also attended the Long Term Athlete Development workshop conducted by the **Trinidad and Tobago Olympic Committee**.

Outreach

The members of The UWI St. Augustine 2017 contingent participated in the Annual Nature Seekers beach cleanup in March 2017. This initiative also served as a bonding experience for the student-athletes. The UWI SPEC partnered with the University School to offer lawn tennis programmes to their students. Rhonda Mohammed (UWI SPEC staff) serves as the coach of the junior school's tennis team.

As part of SPEC social responsibility to its community, **Lucia's Private Primary School** was given permission to use SPEC's facilities for Tennis, Cricket and Football. SPEC also contributed to the national sports programme by hosting the practice sessions of the **Trinidad and Tobago National Women's Football Team**.

The UWI SPEC International Half Marathon

Richer Perez won the 14th edition of The UWI SPEC International Half Marathon, held on October 29, 2017. **Tonya Nero** produced a record-breaking performance to capture the 2017 UWI SPEC Half Marathon Female Champion title. Nero crossed the finish line in a time of 1:16:32, smashing the previous record of 1:17:30. The UWI SPEC was pleased to once again have the support of **First Citizens Bank** as a presenting sponsor. The race attracted thirteen hundred (1,300) local, regional and international participants. In an effort to keep the race fresh and innovative, official pacemakers were introduced to help runners manage their time and pace. The pacemakers were well received by the half marathon athletes. The **Cancer Society** was the charity of choice this year. In all, TT\$24,997.52 were donated to support the work of the organisation. The *Spectator* race magazine was published for the eighth straight year and sponsorship was secured to cover all prize categories.

The UWI-SPEC Sports

The 2016/2017 academic cycle was punctuated by several outstanding performances and achievements by athletes and sports teams of The University of the West Indies, St. Augustine Campus.

Basketball

The UWI St. Augustine Men's Basketball team placed second in the Tertiary Sport Association of the Trinidad and Tobago (TSATT) league.

Cricket

Vikash Mohan, an all-rounder on the St. Augustine cricket team, was selected for the 2017 Vice-Chancellor's Sportsman of the Year Award. Vikash produced a solid year, with bat and ball culminating in his selection to the Combined Campuses and Colleges (CCC) cricket Team.

Amir Jangoo, an exciting wicketkeeper/batsman, has been balancing a First Class cricket career, while trying to attain an undergraduate university degree. In 2017, he secured a contract with the Trinidad and Tobago Red Force Cricket team, after a string of successful performances in the 2016-2017 Regional Four Day Competition. Mr Jangoo made his First Class debut with Trinidad and Tobago against Barbados on April 7, 2017. Both Vikash and Amir were part of The UWI St. Augustine championship cricket team at The UWI Games 2017. The St. Augustine team played unbeaten on their way to the title.

Football

The men's football team won the TSATT football league.

Netball

The UWI St. Augustine team won the All Sectors Netball League and placed second in the TSATT Netball League.

Swimming

The ever-consistent UWI St. Augustine swim team performed exceptionally well in winning The UWI Games 2017 title; St. Augustine tallied 325 points, Mona 280, and Cave Hill Campus 239. St. Augustine secured the top three male swimmer positions in the competition:

Nicholas Washington – 24 points

Jeron O'Brien – 23 points

Sachin Sankar – 22 points

UWI St. Augustine athlete, **Theana Hay**, was the third among the female swimmers, with a score of 19 points.

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Table Tennis

Brittany Joseph is the 2017 National Senior and Junior Table Tennis Champion of Trinidad and Tobago. Brittany and her teammate, **Catherine Spicer**, captured six table tennis titles on the local circuit in 2017. Brittany and Catherine also led the charge as UWI St. Augustine overwhelmed all challengers at the 2017 UWI Games. Brittany Joseph was adjudged the most valuable female player in the tournament.

Track and Field

Nyoshia Cain, a Trinidad and Tobago athlete and St. Augustine student, placed third in the Long Jump at the 2017 World Para Athletics.

Projected Activities for 2017/2018

UWI SPEC intends to host several tournaments in the next academic cycle. These include tournaments in Indoor Hockey, Women's Football, Table Tennis and a Secondary Schools Volleyball tournament.

Faculty of Engineering

Journal Publications

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Gahman, L.

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Gahman, L

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Conference Presentations

T. Ali

Interrogating Romantic Love, Intimacy & Sexual Desire of the Caribbean Man

Doing Sex and Gender: Men and Masculinities Conference, Newcastle, UK, July 2017

M. Amaye

Many Women, Many Words: Narrating the self in post-conflict Kurdistan

The Arts in Society Conference, American University, Paris, June 2017

M. Amaye

Many Women, Many Words: transcription, translation, transformation

Writing for Liberty Conference, University of Western Cape, South Africa, March 2017

B. Braithwaite

Collaborative Research into Language in Visual and Tactile Modalities

3rd Biennial Department of Behavioural Sciences Postgraduate Research Conference, The University of the West Indies, St. Augustine, Trinidad and Tobago, 23rd March 2017

B. Braithwaite

Documenting Language in visual and tactile modalities: Sign Language in the bay Islands, Honduras

5th International Conference on Language Documentation and Conservation (ICLDC), University of Hawaii, 5th March 2017

B. Braithwaite

The Diversity of Caribbean Signed Languages and What It Means for Linguists and Linguistics Society Caribbean Linguistics 21st Biennial Conference,

UWI, Mona, Jamaica, 2nd – 6th August 2016

B. Braithwaite (with L. Kwok and R. Omardeen)

Sign Language in South Rupununi, Guyana
Society for Caribbean Linguistics 21st Biennial Conference,
UWI, Mona, Jamaica, 2nd – 6th August 2016

B. Braithwaite (with A. Lamb-Sterling, R. Gayle
and T. Forest-Harriott)

*The History of Sign Language and the Deaf Community in
Jamaica*
Society for Caribbean Linguistics 21st Biennial Conference,
UWI, Mona, Jamaica, 2nd – 6th August 2016

B. Braithwaite (with M. Hooker O'Neill and I. Dhanoolal)

*Multilingualism and Language Attitudes in the Deaf
Communities of San Andrés and Providencia*
Society for Caribbean Linguistics 21st Biennial Conference,
UWI, Mona, Jamaica, 2nd – 6th August 2016

S. Burke

*Neo-institutionalism in systems of governance in the
Carnival Sector of Trinidad and Tobago*
Power, Performance and Play: International Conference on
Caribbean Carnival Cultures,
Leeds Beckett University, Leeds, England,
18th – 20th May 2017

S. Burke

*Arresting Cultural Policy Stasis: Forging Pathways to
democratize the cultural development agenda in Trinidad and
Tobago*
Th?nk 3 Symposium, Department of Creative and Festival
Arts, The UWI, St. Augustine, Trinidad & Tobago,
27th April 2017

B. Carter

*Promoting societal multilingualism: Reflections on the
Language and Competitiveness Project*
AILA World Congress
Rio de Janeiro, Brazil, 23rd – 28th July 2017

B. Carter and D. Mideros Carmargo

*You're too old to pass that exam! Age, investment, agency and
autonomy in language learning*
AILA World Congress
Rio de Janeiro, Brazil, 23 – 28 July 2017

H. Cateau

The Eighteenth Century Corporate Atlantic
Centre for Political Economies of International Commerce
University of Kent and UWI Cave Hill, Barbados, June 2017

H. Cateau

Community Museums in the Caribbean
EU/LAC Workshop,
Portugal, October 2016

M.T. Costaguta

*Prática teatral em PLA como estratégia motivacional com
alunos em situação de não-imersão*
V Encontro Mundial sobre o Ensino de Português,
Berkeley, CA, USA, 19 – 20 August 2016

M.T. Costaguta

*Error analysis in the oral production of learners of Portuguese
as an additional language*
International Conference on Multilingualism and
Multilingual Education (ICMME17),
Braga, Portugal, 11 – 13 May 2017

S. Crawford-Shepherd

*'Crossin' de Stage: Intersecting Aesthetics of Peter Minshall's
Dying Swan*
Congress on Research in Dance Conference,
Pomona, California, November 2016

PUBLICATIONS AND CONFERENCES

M. Dallier

Les représentations et les stéréotypes associés à la langue française des étudiants de lettres modernes de l'Université des Indes Occidentales à la Trinité-et-Tobago et leur influence sur leur choix d'études universitaires

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Dominican Republic, March 2017

A. Díaz Fernández

Orishaismo: La Invaluable Presencia de Arcanos Literarios
The Caribbean, Melting pot of the Americas: From upheaval and "origins" to the historical future and its representations,
The UWI, St. Augustine, 13 – 15 October 2016

K. Drayton

Impoliteness and conflict in an online football fandom
The 15th Annual International Pragmatics Conference,
Belfast, Northern Ireland, 16 – 21 July 2017

S. Evans

"It's not a problem, we do it ourselves": Interpreting for the Police in Dominica and St. Lucia Society for Caribbean Linguistics 21st Biennial Conference,
UWI, Mona, Jamaica, 2 – 6 August 2016

S. Evans

Kwéyòl for Science? Exploring Medical Kwéyòl Lexicon
St. Lucia Country Conference,
Bay Gardens Hotel, St. Lucia, 26 – 28 October 2016

M. Forde

Improvement and Subjectivity in the Margins of a Caribbean City
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Minneapolis, 14 – 20 November 2016

M. Forde

Improvement and Subjectivity in the Margins of a Caribbean City
'Understanding Local Entanglements of Global Inequalities'
Justus-Liebig-Universität, Gießen, Germany,
26 - 28 April 2017

M. Forde

Narrating Civic Engagement: Representations of the Urban Poor in Trinidad and Tobago
Annual conference of the Society for Caribbean Studies,
University of Essex, 4 – 6 July 2017

G. Hezekiah

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Deakin University Burwood Campus, Melbourne, 7 – 9
December 2016

E. Jackson

'Latin America' and the Construction of Identity in V.S. Naipaul's A Way in the World.
PILAS (Postgraduates in Latin American Studies) conference
University of Leeds, June 2017

C. Meir

The Recent Rise of Integrated European Studios: Corporate Bodies and European Cinema NECS
Annual Conference,
Paris, France, 30 June 2017

C. Meir (with C. Cascajosa)

Bambú Producciones and Contemporary Spanish Television Drama
Researching Media Companies Producing Audiovisual Content Conference,
Inland University of Norway, Lillehammer, Norway,
21 April 2017

C. Meir

Conglomeration and Confederation in the European Film Industry: Contextualizing the Corporate Dimensions of EuropaCorp

EuropaCorp: A French Major? Symposium,
Universite Paris Diderot, Paris, FR. 13 January 2017

C. Meir

De Facto Co-Productions?: European Studios, Co-Production Studies and Policy

European Co-Production Symposium,
University of Copenhagen, Copenhagen, DK,
23 November 2016

C. Meir

Polygram and Studiocanal: Continuities and Discontinuities in European Studio Building ECREA annual conference,
Prague, CZ, 10 November 2016

C. Meir

Diversifying and Homogenizing European Screens: Studiocanal and Its British Producers
European Screens Conference, York, UK, 5 September 2016

D. Mideros Camargo

Phenomenologies of Autonomy and Agency in the South Caribbean: The case of Trinidad and Tobago
AILA Research Network on Learner Autonomy, 18th World Congress of Applied Linguistics,
Rio de Janeiro, Brazil, 23 – 28 July 2017

D. Mideros Camargo and B. Carter

You're too old to pass that exam! Age, investment, agency and autonomy in language learning
AILA Research Network on Learner Autonomy,
18th World Congress of Applied Linguistics,
Rio de Janeiro, Brazil, 23 – 28 July 2017

P. Palma Rojas

An unexplored side of the story: The teachers' perspective about teaching and learning Spanish in secondary schools in Trinidad

UWI Schools of education Biennial Conference:
Envisioning Future Education: Cross-Disciplinary Synergy, Imperatives and Perspectives,
Montego Bay, Jamaica, 20 – 23 June 2017

P. Palma Rojas and A. Clavijo Lozano

Propuesta didáctica para el desarrollo de la competencia intercultural a través del cuento en niveles iniciales de enseñanza de español como lengua extranjera
Primer Congreso Internacional Virtual El cuento hispánico: Nuevas miradas críticas y aplicaciones didácticas,
University of Valladolid, Valladolid, Spain,
2 – 4 November 2016

N. Roberts

Religion and Culture in Mayra Santos Febres' Fe en disfraz
The Caribbean, melting pot of the Americas:
From upheaval and "origins" to the historical future and its representations Conference,
The UWI, St. Augustine, 13 – 15 October 2016

K. Sanderson-Cole, E. Carrington-Blaides and N. Laptiste-Francis

An Approach to Making a Foundation Course (FOUN 1001) Accessible to Learners with Special Needs at the Tertiary Level
The UWI School of Education Inclusive Education Conference, St. Augustine, February 2017

S. Sealey

Tutors' needs assessment and TPACK: Planning professional development activities
Re-thinking Borders and Boundaries: Celebrating Modern Languages,
The UWI, St Augustine, May 2017

PUBLICATIONS AND CONFERENCES

G. Skeete

Frank Discussions in Verse: What Women Tell Each Other in Opal Palmer Adisa's 4-Headed Woman
16th International Conference on Caribbean Literature,
Saint Martin/Sint Maarten, 2 – 4 November 2016

G. Steele

Two can play and dance, but does the payer of the piper have to call the tune?
16th Annual Association for Caribbean Higher Education Administrators (ACHEA) Conference,
Bridgetown, Barbados, 13 – 16 July 2017

G. Steele

From tipping point to settling point: Trust and media coverage of an industrial conflict and wage negotiation in the energy sector
International Association for Conflict Management (IACM) Conference, Berlin, Germany, 9 – 12 July 2017

G. Steele

Zika awareness for prevention and control: A preliminary field study of CARPHA messages Caribbean Public Health Agency (CARPHA) 62nd Annual Health Research Conference, Georgetown, Guyana, 27 – 29 April 2017

S. Timcke

One Dimensionality of Econometric Data and the Secret of the Commodity
International Association of Media and Communication Research Conference Cartagena, Colombia,
16 – 20 July 2017

S. Timcke

The Quality of Prospects
3rd Biennial Department of Behavioural Sciences Postgraduate Research Conference,
The University of the West Indies, St. Augustine,
22 - 23 March 2017

J. Tull

Are we there yet? Framing Caribbean development on culture
Culture and Knowledge Economies: The Future of Caribbean Development?
42nd Annual Caribbean Studies Association Conference,
Nassau, The Bahamas, 5 – 9 July 2017

J. Tull

Community-based festivals as visitor pullers, local culture drivers: the case of Tobago's Blue Food Festival
Culture and Knowledge Economies: The Future of Caribbean Development?
42nd Annual Caribbean Studies Association Conference,
Nassau, The Bahamas, 5 – 9 July 2017

D. Watson

Re-Imagining Pacific Policing: A Case for Evaluating Academic Emphasis, Mediums and Boundaries to Maximize Developing Countries' Human Resource Capacity
Research for Development Impact (RDI) Network Conference. University of Sydney, Australia, June 2017

D. Watson

Crime, Criminality and North-to-South Criminological Complexities: Theoretical Implications for Policing 'Hotspot' Communities in 'Underdeveloped Countries
Crime and Justice in Asia and the Global South International Conference, Cairns, Australia, July 2017

Exhibitions

Keith Cadette, Small Works Surface Design Exhibition,
Portland, USA, July, 2017

Other Publications

Translations

Eric Maitrejean, Trans. *L'Évaluation des possibilités de meilleur intégration des membres associés de la Commission économique pour l'Amérique latine et les Caraïbes* (Dale Alexander and Carlyle Corbin, *Assessing Opportunities for Enhanced Integration of the Associate Members of the Economic Commission for Latin American and the Caribbean*) United Nations: CEPALC, 2017, 55 pages.

Savrina Chinien, "Apprivoiser les esprits vengeurs, inassouvis de l'Histoire." In *La Caraïbe, chaudron des Amériques*, Limoges: Presses Universitaires de Limoges (PULIM) and Agence Universitaire de la Francophonie (AUF), 2017, pp. 23-34 (Original article by Professor Paula Morgan).

Savrina Chinien, -Les vestiges d'une langue en voie de disparition: Le cas du créole à base lexicale française à Trinidad.- In *La Caraïbe, chaudron des Amériques*, Limoges: Presses Universitaires de Limoges (PULIM) and Agence Universitaire de la Francophonie (AUF), 2017, pp. 141-152. (Original article by Dr Jo-Anne Ferreira).

Savrina Chinien, -Construire une esthétique caribéenne dans une économie culturelle globale.- In *La Caraïbe, chaudron des Amériques*, Limoges: Presses Universitaires de Limoges (PULIM) and Agence Universitaire de la Francophonie (AUF), 2017, pp. 219-222 (Original article by Earl Lovelace).

Online Articles

T. Ali, "Standing on the Shoulders of Giants in Gender." *UWI Today*, August 2016. https://sta.uwi.edu/uwitoday/archive/august_2016/article10.asp

J. Ferreira, "Winer, the 21st century Webster", *UWI Today*, May 2017. https://sta.uwi.edu/uwitoday/archive/may_2017/article9.asp

J. Ferreira, "LusoFesta keeps growing", *UWI Today*, May 2017. http://sta.uwi.edu/uwitoday/archive/may_2017/article22.asp

Productions (Musical Arts)

J. Murray, Conducted the National Steel Symphony Orchestra of Trinidad and Tobago in the 2016 *Pan on a Higher Note* concert series. Conducted world premiere adaptations for steel orchestra of 'Overture to Die Fledermaus', 'Persian Market' and songs with guest soprano Turon Nicholls and the Presentation College Choir. National Academy for the Performing Arts (South). August, 2016

J. Murray, Orchestra Conductor/Accompanist/Consultant for Chandelier Productions Michael Hudlin in Concert – with members of the UWI Arts Chorale, and others. National Academy for the Performing Arts (South). October, 2016

J. Murray, Music Director/Conductor of Chandelier Productions *A Theatre Night Out* – scenes from Musical Theatre featuring Tianna Chandler, member of the UWI Arts Chorale, and others. National Academy for the Performing Arts (South). June, 2017

J. Remy, New compositions for steelpan (2016): For Sure, Leap of Faith, Missing You, Time for Pan, My Dog Has Fleas, Festival Piece for Pan and Percussion

J. Remy, New compositions for steelpan (2017): Feather in the Wind, Grand Anse, Flamenco for Pan, Playful March, and Festival Steel Overture for DCFA 30 Years Celebration

Productions: Plays (Theatre Arts)

L. Mc Williams, Co-directed the production "Yet Still We Rise". Malick Folk Performing Company. November 2016

L. Mc Williams, Directed the production "The Playground" by Dr Frank Mc Field. Harquail Theatre Studios. Cayman Islands. June 2017

Poetry

J. Dennis, 'Elegy for My Caucasoid Ancestry'. In *Interviewing the Caribbean*, Spring 2017, p. 158.

PUBLICATIONS AND CONFERENCES

J. Dennis, 'I Go Bawl'. In *Interviewing the Caribbean*, Spring 2017, pp. 159-161.

J. Horsford, 'Anointing'. In *New Caribbean, Cordite Poetry Review*, Issue 81, 2017. Available online at: <http://cordite.org.au/poetry/caribbean/anointing/>

Creative Short Fiction Works

O. B. Rodríguez, El Deseo de Arrancar una Flor. In *Revista Narrativas*, no. 43, 2016, pp. 116-119.

E. Walcott-Hackshaw, Time. In *Caribbean Intransit*, Special Edition, "Antithesis/Synthesis: Fine Arts and Cultural Heritage" Volume 4, Spring 2016.

Podcasts and Blogs

B. Braithwaite and **J. Ferreira**, Language Blag: A Web Blog on Language and Linguistics. <http://languageblag.wordpress.com/>

Faculty of Law

Journal Publications

Antoine, R. M. B. (2016) Labour in the economic social cultural rights regime of the Inter-American system on human rights'. *The Future Regulation of Work*, Brodie, Busby & Zahn (ed) Palgrave Macmillan, UK, 193 -218.

Antoine, R. M. B. (2016) Assessing 10 Years of the Caribbean Court of Justice in its Appellate Jurisdiction: Encouraging signs of a Mature, Relevant Jurisprudence. *Caribbean Journal of International Relations & Diplomacy* Vol 4, No 1 (2016) pp.69-91.

Antoine, R. M. B. (2016) Eds., SPECIAL ISSUE: Symposium on The Caribbean Court of Justice, Vol 4, No 1, Advancing the Case for Regionalism and Indigenous Jurisprudence. *Caribbean Journal of International Relations*, <http://libraries.sta.uwi.edu/journals/ojs/index.php/iir/issue/view/>

Antoine, R. M. B. (2016) Labour Law in the Caribbean to the WJP Rule of Law Index* 2016 report, *The World Justice Project* ABA, Washington, DC USA.

Antoine, R. M. B. (2016) Disclosure Initiatives for Tax Purposes in Offshore Regimes, *IFC Review*, London, May 2016.

Mohammed-Davidson, R. (2016) Monetising Constitutional Rights: The Award of Damages in Constitutional Claims. *International Journal of Human Rights and Constitutional Studies* Vol 4(3), p 256-275.

Conference Presentations

Amoah, J.

Integrating Gender and Vulnerability Dimensions into Trinidad and Tobago's National Innovation Policy, Joint Paper, National Innovation Policy Conference, Government of Trinidad and Tobago, St. Augustine Campus, UWI, June, 2017.

Antoine, R. M. B.

The Reach of the Civil Law – Follow the Money
34th Cambridge Symposium
Jesus College, Cambridge, UK, September 2016

Antoine, R. M. B.

Race & Religion in T&T and the OAS – A Human Rights Perspective
Transatlantic Roundtable on Race and Religion
USA, Aug. 3, 2016

Antoine, R. M. B.

Legal Issues surrounding the Situation of Persons of Haitian Descent in the Dominican Republic
CSA Conference,
Haiti, June 2016.

Antoine, R. M. B.

Issues surrounding the Decriminalisation of Marijuana in the Caribbean
The Latin America and Caribbean Drug Policy Conference
Dominican Republic, October 5, 2016.

Antoine, R. M. B.

Identifying Gender Dimensions of Economic, Social and Cultural Rights
'Engendering Justice Contemporary Caribbean Developments',
The Caribbean Academy for Law and Court Administration (CALCA)/CCJ 4th Annual Conference
St. Maarten, October 28, 2016.

Antoine, R. M. B.

Migration Rights in Trinidad and Tobago
Global Migration Film Festival,
International Organisation for Migration
UN, December 15, 2016.

Antoine, R. M. B.

Integrating Gender and Vulnerability Dimensions into Trinidad and Tobago's National Innovation Policy, Joint Paper,
National Innovation Policy Conference,
Government of Trinidad and Tobago, St. Augustine Campus, UWI, June, 2017.

Bulkan, Arif

Indigenous Rights
Special Conference on Indigenous Peoples
Impact Justice Project, Belize, April 2016.

Elias-Roberts, Alicia

Environmental Challenges of Offshore Energy Developments
2nd Bi-Annual Oil & Gas Conference, Hyatt, Trinidad,
June 8 - 9, 2017.

Elias-Roberts, Alicia

Common Grounds on Legal Culture between CARICOM and EU
Brunswick European Law School (BELS) Faculty of Law's Colloquium
Germany, 22nd – 24th May 2017.

Elias-Roberts, Alicia

The Fundamentals of Oil and Gas Law and The Main Legal Challenges in the Oil and Gas Sector
The Judiciary of Guyana Annual Judges Conference
Lake Mainstay, Guyana, June 30th to July 2nd 2017.

France, Afiya

Why our Laws and Policies fail to meet the Obligations under the Ground-breaking CRPD
RIGHTS and ACTIVISM and Trinidad and Tobago's Ratification of the UN Convention on the Rights of Persons with Disabilities
The Network and Outreach for Disability Education and Sensitisation (NODES)
St. Augustine, Trinidad, April 23, 2016.

PUBLICATIONS AND CONFERENCES

France, Afiya

The CRPD and Persons with Mental Disabilities in Jamaica and Trinidad and Tobago Law
2nd Annual Symposium
The University of the West Indies, Mona, June 3-5 2016.

Jeremie, John

The Risks and Responsibilities regarding Allegations of Money Laundering
34th Cambridge Symposium, Jesus College,
Cambridge, UK, September 8, 2016.

Knechtle, John

Perspectives on and Experiences with Issues such as Sanctions and Remedies, Management of Rights, Term of Protection, Formalities, Transitional Measures, Relationship with other International Agreements, National Treatment and Trans-Boundary Cooperation
WIPO Seminar on Intellectual Property and Traditional Knowledge
WIPO Headquarters, Geneva, November, 2016.

Speaking Engagements

Affonso, T.

The Maurice Tomlinson Case- What the CCJ really decided.
International Law Association Roundtable Discussion
The University of the West Indies, Cave Hill, Barbados,
October 2016

Amoah, J.

Analysis of the Whistleblowing Bill of Trinidad and Tobago
Training Workshop for Media Association of Trinidad and Tobago
Trinidad, October 2016

Antoine, R. M. B.

The Contract of Employment and CARICOM best practice in respect to Basic Terms and Conditions of Work Legislation
National Tripartite Stakeholder Consultation on the Basic Terms and Conditions of Work Code,
Ministry of Labour, Government of Trinidad and Tobago,
June 29, 2016.

Antoine, R. M. B.

New Legal Developments at the Industrial Court of Trinidad and Tobago
Annual General Meeting of the Chamber of Commerce,
Trinidad, 30 November, 2016.

Antoine, R. M. B.

The Rule of Law v Ruling by Laws
The 7th Distinguished Jurist Lecture
The Judicial Education Institute, Trinidad and Tobago
Judiciary,
Trinidad, March 15, 2017.

Antoine, R. M. B.

Planning for the Future for Sexual and Reproductive Rights for All Within an Intersectionality Framework in the Commonwealth Caribbean
Caribbean Family Planning Associations –
Annual General Meeting,
Saint Lucia, July, 2017.

Bulkan, Arif

The Mandatory Death Penalty in Trinidad and Tobago
Special Parliamentary Session on the Death Penalty
Trinidad, November, 2017.

Elias-Roberts, Alicia

Local Content in Petroleum Contracts; Environmental and Economic Challenges in Offshore Oil and Gas Projects; and Beneficial Ownership and Politically Exposed Persons
Guest Lecturer, Faculty of Law, Brunswick European Law School (BELS),
Germany, 22nd – 24th May 2017.

Elias-Roberts, Alicia

Development and Implementation of Local Content in the Energy Sector
The Guyana Oil and Gas Association (GOGA)
Pegasus Hotel, Guyana, June 16, 2017.

France, Afiya

A Legal Perspective on Domestic Violence in Trinidad and Tobago
National Women Action Committee (NWAC)
Trinidad, November 24, 2016.

Knechtle, John

An Analysis of the Cybercrime Bill of Trinidad and Tobago
Training Workshop for Media Association of Trinidad and Tobago
Trinidad, October 22, 2016.

Mohammed-Davidson, Ria

Analysis of the Data Protection Act and Data Protection (Amendment) Bill of Trinidad and Tobago
Training Workshop for Media Association of Trinidad and Tobago, October 22, 2016.

Faculty of Medical Sciences**Journal Publications***Department of Pre-Clinical Sciences*

Addae, J.I., P. Sahu, B. Sa. (2017) The relationship between the monitored performance of tutors and students at PBL tutorials and the marked hypotheses generated by students in a hybrid curriculum. *Med Educ Online*, 22(1), 1270626.

Addae, J.I., R. Pingal, K. Walkins, R. Cruickshank, **F.F. Youssef, B.S. Nayak**. (2017) Effects of Jasminum multiflorum leaf extract on rodent models of epilepsy, motor coordination and anxiety. *Epilepsy Res*, 131, 58-63.

Bhaktha, G., **B.S. Nayak**, M. Shantaram, S. Mayya. (2016). Clinical presentation of leptin levels in patients with history of parental obesity. *Innovare Journal of Medical Science* 4 (5): 1-4

Bhat, V.R., E.G.P. Udupa, U.A. Samreen, M. Sheik, **B.S. Nayak**. (2016) Evaluation of Protein Thiols and Liver Glycogen Content on Streptozotocin Induced Diabetic Rats Treated with Aqueous Extract of Bixa Orellana Leaves. *International Journal of Biochemistry Research & Review* 13(4): 1-7

Braithwaite, T., N.Q. Verlander, D. Bartholomew, P. Bridgemohan, K. McNally, A. Roach, S. Sharma, D. Singh, K. Pesudovs, S. Teelucksingh, **C. Carrington**, S. Ramsewak, R. Bourne. (2017) NESTT Study Group. The National Eye Survey of Trinidad and Tobago (NESTT): Rationale, Objectives and Methodology. *Ophthalmic Epidemiology* Apr; 24(2):116-129. doi: 10.1080/09286586.2016.1259639 [PMID: 28107088].

Cuthbert, C.E., **J.E. Foster**, D.D. Ramdath. (2017) A maternal high-fat, high-sucrose diet alters insulin sensitivity and expression of insulin signalling and lipid metabolism genes and proteins in male rat offspring: Effect of folic acid supplementation. *British Journal of Nutrition* 118(8), 580-588. doi:10.1017/S0007114517002501

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- Kurhade, G., **B.S. Nayak**, A. Kurhade, C. Unakal, K. Kurhade. (2017) Effect of martial arts training on IL-6 and other immunological parameters among Trinidadian subjects. *J Sports Med Phys Fitness* doi: 10.23736/S0022-4707.17.07666-6. [Epub ahead of print]
- Mohammed, S., **B.S Nayak**. (2017) Exploration of ovarian hormones, diet and lifestyles in women with polycystic ovarian syndrome. *International Journal of Current Advanced Research*. 6(1): 1671-1675.
- Mohammed, S.B., **B.S. Nayak**. (2017) Polycystic Ovarian Syndrome Trend in a Nutshell. *International Journal of Women's Health and Reproduction Sciences* 5 (3): 153–157.
- Nayak, B.S**, K. Sinanan, S. Sharma, V. Shripat, R. Sidat, S. Siddiqui, N. Sieunarine, S. Sieunarine (2017) Investigating the link between benign prostatic hypertrophy, BMI and type 2 diabetes mellitus. *Diabetes Metab Syndr*. S1871-4021(17)30094-2. doi: 10.1016/j.dsx.2017.04.016. [Epub ahead of print]
- Nayak, B.S.**, D. Sawh, B. Scott, V. Sears, K. Seebalack, M. Seenath, P. Seepaulsingh, S. Seepersad, V. Seetahal, K. Ramsaroop. (2017) Evaluation of the Efficacy of ST2 and NT-proBNP in the Diagnosis and Prediction of Short- Term Prognosis in Heart Failure with Reduced Ejection Fraction. *International Journal of Pharmaceutical and Clinical Research* 9(4): 309-312
- Nayak, B.S.**, G. Bhaktha. (2016) Inconsistent lipid profiles exhibited among the diabetic Asian Indians of India and Trinidad a comparative study. *International Journal of Pharmaceutical and Clinical Research* 8(12): 60-63.
- Nayak, B.S.**, S.B. Mohammed, A.S. Nayak. (2017) Controlling Lipids aids in the Prevention of Type 2 Diabetes, Hypertension, and Cardiovascular Diseases. *Int J Prev Med* 8: 39.
- Nayak, B.S.**, T.G. Ramnanansingh. (2016) Evaluation of vitamin D relationship with type 2 diabetes and systolic blood pressure. *BMJ Open Diabetes Research and Care* 4: 1-5 e000285 doi:10.1136/bmjdr-2016- 000285
- Nayak, B.S.**, Y. Raghunanan, C. Ragoonath, A. Rahman, V. Rahming, D. Rajh, S. Rambadan, N. Ramdass. (2016) Prevalence of Diabetes, Obesity and Dyslipidaemia in persons within high and low income groups living in North and South Trinidad. *Journal of Clinical and Diagnostic Research* 10(5); IC08-IC13.
- Rafeek, R., P.E. Akpaka, A. K. Bishop, T. Peters, C. Bando, S. Seunath, **J. Addae**. (2017) The Effects of Xylitol Gum on the Bacterial Composition of Saliva and Plaque. *Int J Dentistry Oral Sci* 4(6), 494-497.
- Rao, M.K.G., S.N. Somayaji, **R.B. Rao, V. Rodrigues, M. Sapna, L.S. Ashwini**. (2016) The Five Finger Method: A Novel Approach to Teach Selected Topics of Human Anatomy. *Res J Pharm Biol Chem Sci* 7(5): 2590-2597.
- Rodrigues, V.**, M.K.G. Rao, B.S. Nayak. (2016) Multiple Heads of Gastrocnemius with Bipennate Fiber Arrangement: A Clinically Significant Variation. *J Clin Diagn Res* 10(8):1-2 DOI: 10.7860/JCDR/2016/20094.8340
- Sahadeo, N.S.D., O. Allicock, P.M. De Salazar, A.J. Auguste, S. Widen, B. Olowokure, C. Gutierrez, A. M. Valadere, K. Polson-Edwards, S.C. Weaver, **C.V.F Carrington**. (2017) Understanding the evolution and spread of Chikungunya virus in the Americas using complete genome sequences. *Virus Evolution* 3 (1): vex010. Doi: <https://doi.org/10.1093/ve/vex010>. [PMID: 28480053 PMID: PMC5413804].
- Seetahal J.F.R., A. Vokaty, **C.V.F. Carrington**, A.A. Adesiyun, R. Mahabir, A.Q.J. Hinds, C.E. Rupprecht. (2017) The History of Rabies in Trinidad: Epidemiology and Control Measures. *Tropical Medicine and Infectious Disease* 2(3), 27; doi:10.3390/tropicalmed2030027

Sookhoo J.R.V., A Brown-Jordan, L. Blake, R.B. Holder, S.M. Brookes, S. Essen, **C.V.F. Carrington**, I.H. Brown, C. Oura. (2017) Seroprevalence of economically important viral pathogens in swine populations of Trinidad and Tobago, West Indies. *Tropical Animal Health and Production. Trop Anim Health Prod.* 49(6):1117-1124. Epub May 18. doi: 10.1007/s11250-017-1299-3. [PMID: 28523387].

Department of Para-Clinical Sciences

Akpaka, P.E., S. Kissoon, C. Wilson, P. Jayaratne, A. Smith, G.R. Golding. (2017) Molecular characterization of vancomycin-resistant *Enterococcus faecium* isolates from Bermuda. *PLoS ONE* 12(3):e0171317. Doi:10.1371/journal.pone.0171317.

Akpaka, P.E., S. Kissoon, P. Jayaratne, G.R. Golding. (2017) Vancomycin-resistant enterococci sequence types prevalent in hospitals in Trinidad and Tobago. *International Journal of Current Medical and Pharmaceutical Research.* 3(01): 1150 – 1155.

Akpaka, P.E., S. Kissoon, P. Jayaratne. (2016) Vancomycin-Resistant Enterococci Colonization among Hospitalized Patients and Associated Risk Factors in Trinidad and Tobago. *EC Microbiology* 4.3 (2016): 699-708.

Ashiboe-Mensah S., F. Dziva, **P.E. Akpaka**, C. Mlambo, A.A. Adesiyun (2016) Characterization of Multidrug Resistant *Escherichia coli* Isolates Recovered from Humans and Chickens, Trinidad and Tobago. *Advances in Infectious Diseases*, 6, 145-156. <http://dx.doi.org/10.4236/aid.2016.64018>.

Charles, K.S. (2017) Blood Transfusion in the Caribbean: A case study of Trinidad and Tobago *Transfusion Medicine* 27, 3-9.

Charles, K.S., A. Poon King, A. Ramai, K. Rajnath, D. Ramkissoon, S. Ramkissoon, C. Ramlal, K. Ramnarine, K. Rampersad, G. Legall, S. Pooransingh, A.D. Chantry. (2017) Blood donors' awareness and attitudes towards voluntary non-remunerated donation in Trinidad and Tobago, *Transfusion Medicine*, 27, 249-255.

Charles, K.S., K. Chisholm, K. Gabourel, K. Philip, S. Ramdath, H. Abdul-Hakeem, A. Vaillant, S. Pooransingh, G. Legall, A. Chantry. (2017) A follow-up survey of knowledge, attitudes and practices surrounding blood donation in Trinidad and Tobago. *Vox Sanguinis*, 12: 349–356. doi:10.1111/voxs.12358.

Cheddie, P., F. Dziva, **P.E. Akpaka**. (2017) Detection of a CTX-M group 2 beta-lactamase gene in a *Klebsiella pneumoniae* isolate from a tertiary care hospital, Trinidad and Tobago. *Ann Clin Microbiol Antimicrob* (2017) 16:33. DOI 10.1186/s12941-017-0209-x.

Clement, Y.N., V. Mahase, A. Jagroop, K. Kissoon, A. Maharaj, P. Mathura, C. Mc Quan, D. Ramadhin, C. Mohammed. (2016) Herbal remedies and functional foods used by cancer patients attending specialty oncology clinics in Trinidad. *BMC Complementary and Alternative Medicine* 16:399. DOI: 10.1186/s12906-016-1380-x.

Francis, M.D., F. Dziva, C. Mlambo, **P.E. Akpaka**. (2016) Shiga Toxin Producing *Escherichia coli* (STEC) in Food Producing Animals from Trinidad and Tobago. *American Journal of Experimental Agriculture* 14(1): 1-9, Article no. AJEA.28207, ISSN: 2231-0606. SCIENCEDOMAIN International. www.sciencedomain.org Sept 2016.

Hawkins, P.A., **P.E. Akpaka**, M. Nurse-Lucas, R. Gladstone, S.D. Bentley, R.F. Breiman, L. McGee, H. Swanston. (2017) Antimicrobial resistance determinants and susceptibility profiles of pneumococcal isolates recovered in Trinidad and Tobago. *Journal of Global Antimicrobial Resistance* DOI: 10.1016/j.jgar.2017.08.004.

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Jankie, S., J. Jenelle, R. Suepaul, L. Pinto-Pereira, **P.E. Akpaka**, A.S. Adebayo, G. Pillai. (2016) Determination of the Infective Dose of *Staphylococcus aureus* (ATCC 29213) and *Pseudomonas aeruginosa* (ATCC 27853) When Injected Intraperitoneally in Sprague Dawley Rats. *British Journal of Pharmaceutical Research* 14(1): 1-11, 2016; Article no.BJPR.29932ISSN: 2231-2919, NLM ID: 101631759. SCIEENCEDOMAIN international www.sciencedomain.org.

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Phillips, A.C., J. Coutou, S. Rajh, N. Stewart, A. Watson, A. Jehu, H. Asmath, F. Dziva, **C. Unakal**, R. Holder, R. R. Carthy. (2017) Temporospacial dynamics and public health significance of bacterial flora identified on a major leatherback turtle (*Dermochelys coriacea*) nesting beach in the Southern Caribbean. *Marine Ecology* 38: e12412. <https://doi.org/10.1111/maec.12412>.

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Seecheran, N., B. Seecheran, S. Seecheran, K. Balbosa, S. Baksh, S. Bethelmy, S. Balkaran, K. Bhagaloo, P. Bethel, R. Seecheran, M. Rodriguez, V. Seecheran, R. Ramlal, S. Persad, S. Motilal. (2017) Epidemiologic insight into Trinidad's awareness and prevention of heart disease. The EPITAPH study: A Trinidadian cardiovascular health literacy survey. *Int J Community Med Public Health* 4(4):903-9.

Shrikhande, B., M. Mishra, M.S. Qazi, A. Kurhade, C. Unakal, G. Kurhade, R. Surpam, V. J. Katkar. (2017) Sero-prevalence of Parvovirus B 19 infection among HIV positive patients attending Tertiary Care Hospital in Central India. *Arch Microbiology* 1 (4), 127-132.

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School of Veterinary Medicine

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Conference Presentations

School of Veterinary Medicine

C. Oura

A One Health Approach to Zoonotic Viral Diseases in the Caribbean.

Caribbean Veterinary Medical Association Biennial Conference
Georgetown, Guyana, November 2016

C. Oura

Identification of Priority Viruses Circulating in Poultry in Trinidad and Tobago.

Caribbean Veterinary Medical Association Biennial Conference
Georgetown, Guyana, November 2016

C. Oura

One Health, One Caribbean One Love

CaribVET Meeting
Montego Bay, Jamaica, June 2017

C. Oura

Global Update on Avian Influenza

CaribVET Meeting
Montego Bay, Jamaica, June 2017

K. Georges

Update on the Domotick Partnership

Caribvet meeting
Montego Bay, Jamaica, June 2017

K. Georges

Ticks and the Diseases They Transmit.

Caribbean Veterinary Medical Association Biennial Conference
Georgetown, Guyana, November 2016

A. Khan, **K. Georges**, S. Rahaman, W. Abdela, A.A. Adesiyun
Prevalence and characteristics of Salmonella spp. in chickens slaughtered at small retail processors ('pluck shops') in Trinidad and Tobago: Potential food safety risk to consumers.

6th International Conference on Food Safety and Regulatory Measures
Milan, Italy, June 2017

K. Georges, P. Sealy, L. Benjamin, A.A. Adesiyun

Assessing the quality of data available for inclusion in a national antimicrobial resistance surveillance system.

20th Biennial Conference of the Caribbean Academy of Sciences
Guadeloupe, November 2016

C. Sant and **K. Georges**

Molecular Characterization of Equine Piroplasmiasis.

Joint AITVM/STVM Conference
Berlin, Germany, September 2016

T. Noel, **R. Suepaul**, F. Dziva, A.A. Adesiyun

Determination of the efficacy of a local canine vaccine and production for use to prevent leptospirosis in dogs in Trinidad.

41th World Small Animal Veterinary Association Congress
Cartagena, Colombia, September 2016

Department of Pre-Clinical Sciences

T. Brown-Joseph, L.E. Harrup, V. Ramkissoo, R. Ramdeen,

C.V.F. Carrington, S. Carpenter, C.A.L. Oura

Identification and epidemiological implications for Culicoides biting midges in Trinidad, West Indies.

The 20th European Society of Vector Ecology (E-SOVE) Conference

Lisbon, Portugal, October 2016

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A. Ramjag, O. Allicock, F. Chattergoon, A. Mamchak, G. Cavet, N. Nguyen, K. Lu, **C.V.F. Carrington**, G. Simmons.
Characterization of B-cell responses to Zika virus
American Society for Virology Meeting
Madison, Wisconsin, June 2017

J.F.R. Seetahal, A. Vokaty, J. Pradel, **C.V.F. Carrington**, B. Louison, R. Portch, A. Van Sauers, C. James, M.F. Millien, C.E. Rupprecht.
The Dynamics of Rabies in the Caribbean
The 27th Annual Rabies in the Americas International Conference
Belém, Brazil, October 2016

D. Sawh, B. Scott, V. Sears, K. Seebalack, M. Seenath, P. Seepaulsingh, S. Seepersad, V. Seetahal, K. Ramsaroop, **B.S. Nayak**
Evaluation of the efficacy of ST2 and NT-proBNP in the diagnosis and prediction of short-term prognosis in heart failure with reduced ejection fraction
62nd Annual International CARPHA Health Research Conference.
Georgetown, Guyana, April 2017

J.F.R. Seetahal, O. Allicock, S.C. Sameroff, C. Oura, V. Ramkissoon, W.I. Lipkin, **C.V.F. Carrington**
Virome analysis of neotropical bats on the Caribbean island of Trinidad
2nd International Symposium on Infectious Diseases of Bats
Fort Collins, Colorado, June 2017

Department of Clinical Surgical Sciences

A. Arra, **Y. Singh**, K. Sookhoo, D. Hosein
Laparoscopic Fenestration of Congenital Splenic Cyst
Caribbean Society of Endoscopic Surgeons 5th Annual Scientific Meeting
Montego Bay, Jamaica, June 2017

A. Arra, **Y. Singh, D. Dan, P. Harnarayan**, K. Sookhoo, V. Bheem, J. Oba, S. Ramroop
A Review of Colorectal Cancer in Patients Under 50 Year at San Fernando General Hospital
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

S. Baijoo, **R. Maharaj**, S. Parbhu, W. Ramcharan, L. Pran
Challenges of Breast Cancer in Young Women
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

N. Bascombe
Laparoscopic Whipple's Pancreaticoduodenectomy
Caribbean Society of Endoscopic Surgeons 5th Annual Scientific Meeting
Montego Bay, Jamaica, June 2017

C. Calderon, F. Emmanuel, Z. Des Vignes, K.A. Bobb, **B. Rampersad**
Neonatal Surgical Outcome in North Trinidad
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

C. Calderon, O. Payne, K.A. Bobb, **D. Harnanan, N. Bascombe, D. Dan**
Retrospective Study of Mesh Infection in Laparoscopic Inguinal Hernia Repair
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

A. Cateau and **B. Rampersad**
Laparoscopy for Impalpable Undescended Testes in Trinidad
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

S.O. Cawich, L. Sampath, A. Thornton, Z. Ledesma, S. Sandy, V. Naraynsingh

Clinico-Pathologic Features of Pancreatic Frantz Neoplasms in Trinidad and Tobago

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

S.O. Cawich, J. Rattan, A. Sinanan, N.W. Pearce, V. Naraynsingh

Association of Liver Anomalies and Chilaiditi's Syndrome
Caribbean Society of Endoscopic Surgeons 5th Annual Scientific Meeting

Montego Bay, Jamaica, June 2017

D. Dan

Laparoscopic Cholecystectomy: Technical Tips

Caribbean Society of Endoscopic Surgeons 5th Annual Scientific Meeting

Montego Bay, Jamaica, June 2017

K. Fung, L. Pran, V. Naraynsingh, R. Maharaj, N. Bascombe, K. Sieunarine

Blunt Abdominal Aortic Injury: A Case Series

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

P. Harnarayan

The Changing Face of Abdominal Aortic Aneurysm

Presentation in South Trinidad

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

D. Harnanan, L. Pran, V. Naraynsingh, R. Maharaj, N. Bascombe, K. Sieunarine

A Third World Experience of TEVAR in Trauma

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

P. Harnarayan

Hand Replantation Using Loupe Magnification and A Multidisciplinary Team Approach

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

S. Islam, O. Payne, V. Bheem, P. Harnarayan, D. Dan, V. Naraynsingh

Laparoscopy for Complicated Small Bowel Obstruction

Caribbean Society of Endoscopic Surgeons 5th Annual Scientific Meeting

Montego Bay, Jamaica, June 2017

M. Mencia, A. Beharry

Bone Malignancies at the Port of Spain General Hospital in Trinidad

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

M. Mudden, M. Mencia, S.O. Cawich, J. Bronte-Tinkew
Staphylococcus Caprae-Infected Total Hip Arthroplasty

15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

S. Mohammed, Y. Singh, D. Dan, K. Sookhoo, V. Bheem, S. Islam, A. Arra, P. Seetahal –Maraj

A Retrospective Review of Colorectal Cancer at

San Fernando General Hospital

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S. Mohammed, Y. Singh, T. Kuruvilla, S.O. Cawich

Mature Cystic Teratoma in the Retroperitoneum of the Adult

15th Annual Caribbean College of Surgeons Conference
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V. Naraynsingh, S. Goli, **S.O. Cawich**, S. Islam, **Y. Singh**,
R. Maharaj

CT Guided Appendectomy Incision: A Prospective Study
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

V. Naraynsingh, **S.O. Cawich**, D. Hassranah, **R. Maharaj**,
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*Retrograde Thyroidectomy: New Technique for Preservation of
the External Branch of the Superior Laryngeal Nerve*
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

V. Pandohie, N. Bobb, **R. Maharaj**

Retroperitoneal Sarcoma: Case Report
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

S. Parbhu, **D. Harnanan**, **N. Bascombe**, **V. Naraynsingh**,
K. Sieunarine

Tibial Revascularization Experience in Trinidad and Tobago
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

M.J. Ramdass, **P. Harnarayan**, R. Spence, D. Milne D
The Superficial Femoral Vein and be Safely Ligated in Trauma
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

M.J. Ramdass, **P. Harnarayan**, R. Spence, D. Milne D
*Outcomes Related to Popliteal Artery Trauma in
Trinidad and Tobago*
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

M.J. Ramdass, R. Spence, D. Milne, A. Oladiran
*Experience with Aortic Aneurysm and Type B Dissection
Repair at the General Hospital, Port of Spain*
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

I. Sammy, F. Lecky, A. O’Cathain

*Older people are not all the same: lessons from a major
trauma database.*
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Conference
Bournemouth, UK, September 2016

I. Sammy

Older Trauma Patients – Different People, Different Approach?
Cheshire and Mersey Major Trauma Network Conference,
Trauma: We Care 3
Liverpool, UK, September 2016

Y. Singh, A. Arra

*Minimally Invasive Techniques in the Management of
Gastrointestinal Stromal Tumours*
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

Y. Singh

Laparoscopic Distal Pancreatectomy
Caribbean Society of Endoscopic Surgeons 5th Annual
Scientific Meeting
Montego Bay, Jamaica, June 2017

D. Sirjuesingh, S. Chackan, P. Ramraj, **Y. Singh**, J. Oba,
V. Bheem, K. Sookhoo, S. Islam, **D. Dan**

*Histology of Breast Neoplasms at the San Fernando
General Hospital*
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

D. Sirjuesingh, **P. Harnarayan**, S. Islam, V. Bheem, O. Payne,
D. Dan

*Traumatic Arteriovenous Fistulas and Pseudoaneurysms
of the Femoral Vessels*
15th Annual Caribbean College of Surgeons Conference
Montego Bay, Jamaica, June 2017

C. Skeete, L. Pran, S. Parbhu, **D. Harnanan, N. Bascombe, D. Dan**

Laparoscopic Management of a Duplication Cyst of the Gallbladder

Caribbean Society of Endoscopic Surgeons 5th Annual Scientific Meeting

Montego Bay, Jamaica, June 2017

A.S. Tinnie, S. Islam, V. Bheem, **P. Harnarayan, D. Dan**

A Review of Common Bile Duct Stones at the San Fernando General Hospital

15th Annual Caribbean College of Surgeons Conference

Montego Bay, Jamaica, June 2017

C.J. Williams, **S.O. Cawich**, T. Bernard, K. Mitchel, O. Fraser
Gallbladder and Extra Hepatic Bile Duct Cancer in Trinidad and Tobago

15th Annual Caribbean College of Surgeons Conference

Montego Bay, Jamaica, June 2017

School of Nursing

E. S. Daniel

Community Health Nursing Practice – Organization, Rights, Roles and Responsibilities.

5th National Conference, SOCHNI

Chennai, India, February 2017

E.S. Daniel, T. Nelson and G. Ramdeen-Mootoo

Knowledge, Attitude and Intention to Obtain HPV Vaccination among Undergraduate College Students in St. Lucia.

28th International Research Congress,

STTI Honor Society of Nursing

Dublin, Ireland, July 2017

E.S. Daniel, R. Duemonte and G. Ramdeen-Mootoo

Efficacy of Child to Child Programme on Knowledge of Obesity and its Prevention among Secondary School Children, Trinidad and Tobago.

International Network for Doctoral Education in Nursing

(INDEN) Biennial Conference

Dublin, Ireland, July, 2017

G. Ramdeen-Mootoo, A. Dick and **E.S. Daniel**

Knowledge, Attitude and Practice of Men towards Colorectal Cancer (CRC) and its Prevention in Tobago.

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STTI Honor Society of Nursing

Dublin, Ireland, July, 2017

P. Siewdass

Simulation in Nursing education in Trinidad and Tobago:

An Evaluation of Students' Self Confidence in Administering Chemotherapy.

Nursing and Midwifery Conference

Mona, Jamaica, May 2017

School of Pharmacy

R. Extavour

Pharmacy students' perceptions and usage of an adaptive learning technology (SmartBook) in anatomy and physiology in a Caribbean School of Pharmacy.

10th International Conference on E-Learning and Innovative Pedagogies

Toronto, Canada, May 2017

R. Extavour

Factors influencing the quality of antidepressant prescribing for older, community-dwelling adults and the risk of emergency outcomes.

32nd Annual Conference on Therapeutic Risk Management

Dublin, Ireland, August 2016

M. M. Gupta

Troubleshooting the flow problem of poorly flowable drug powder by using spherical crystallization technique and making suitable for direct compression

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Faculty of Science & Technology

Journal Publications

Department of Chemistry

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Kurbah, S. D.; **Kumar, A.**; Asthana, M.; Shangpung, S.; Koch, A.; Lal, R. A. (2016) Water Soluble Heterobimetallic Complex [CuZn (bz)₃(bpy)₂]BF₄a Catalyzed Selective Oxidation of Alcohols to Aldehydes Mediated by Hydrogen Peroxide in Aqueous Medium in the Absence of a Base and Co- Catalyst. *Current Organocatalysis*, 3(1), 45-51. DOI: 10.2174/2213337202666150716170921.

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Kurbah, S. D.; **Kumar, A.**; Shangpung, S.; Asthana, M.; Syiemlieh, I.; Lal, R. A. (2017) Oxidation of Alcohols by Hydrogen Peroxide Catalyzed by Trinuclear Copper(II) Complex [Cu₃(slmh)(μ-Cl)₂(CH₃OH)₃].0.5CH₃OH derived from Disalicylaldehyde Malonoyldihydrazone. *Current Organocatalysis*, 4(1), 62-68. DOI: 10.2174/2213337203666151216223822.

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Banda, Karina, et al. (2016) Plant diversity patterns in neotropical dry forests and their conservation implications. *Science* 353.6306: 1383-1387.

Behlau, F., Gochez, A.M., Lugo, A.J., Elibox, W., Minsavage, G.V., Potnis, N., White, F.F., Ebrahim, M., Jones, J.B. and **Ramsubhag, A.** (2016) Characterization of a unique copper resistance gene cluster in *Xanthomonas campestris* pv. *campestris* isolated in Trinidad, West Indies. *European Journal of Plant Pathology*, pp.1-11. ISI Impact Factor, 2017= 1.5

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Briggs, G. and Blair, E., (2016). Everyday personal laptop usage in secondary schools in Trinidad and Tobago. *Education and Information Technologies*, 21(3), pp.545-558.

Briggs, G., Cummings, M. and **Elibox, W.**, (2017). First Report of Orange Rust of Sugarcane Caused by *Puccinia kuehnii* in Guyana. *Plant Disease*, (ja).

Cazabon-Mannette, M., Browne, D., **Austin, N., Hailey, A.** and Horrocks, J., (2016). Genetic structure of the hawksbill turtle rookery and foraging aggregation in Tobago, West Indies. *Journal of Experimental Marine Biology and Ecology*, 485, pp.94-101.

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- Chadee, D.D.**, Martinez, R. and Sutherland, J.M., (2017). *Aedes aegypti* (L.) mosquitoes in Trinidad, West Indies: longevity case studies. *Journal of Vector Ecology*, 42(1), pp.130-135.
- Deacon, A. E.** and Magurran, A. E. (2016) How behaviour affects the invasive success of introduced Poeciliid fishes. *Behaviour and Invasions*. Eds: Sol, D and Weis, J.
- Deacon, A. E., Mahabir, R., Ramnarine, I. W. and** Magurran, A. E. (2017) Evaluating detectability of freshwater fish assemblages in tropical streams: Is hand-seining sufficient? *Environmental Biology of Fishes* 100 (7): 839-849
- Delvare, G., Heimpel, G.E., Baur, H., **Chadee, D.D.**, Martinez, R. and Knutie, S.A., (2017). Description of *Brachymeria philornisae* sp. n. (Hymenoptera: Chalcididae), a parasitoid of the bird parasite *Philornis trinitensis* (Diptera: Muscidae) in Tobago, with a review of the sibling species. *Zootaxa*, 4242(1), p.34.
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Department of Mathematics and Statistics

D. Bhagwandin, **V. Tripathi** and P. Hosein
Association Rule Mining of Household Electrical Energy Usage, DMCIT 25-27
Phuket, 83150 Thailand May, 2017

S. R. Gunakala, S. Balkisson

The Determination of the Areal Precipitation of Northern Trinidad using a Triangulated Grid
Faculty Research Symposium,
UWI, St. Augustine Campus. Trinidad, April 6-7, 2017.

S. R. Gunakala, V. Job

Unsteady MHD Free Convection in a Wavy Trapezoidal Enclosure filled with Nanofluids
61st congress of Indian Society of Theoretical and Applied Mechanics (ISTAM)
VIT University, Vellore during December 11 - 14, 2016.

S. R. Gunakala, V. Job

Effects of Heat Generating Component Size and Porous Layer on MHD Mixed Convection Flow of Ag-Water Nanofluid through an L-Shaped Channel
ICFAD, December 19-21, IIT-ISM Dhanbad, India in association with the University of Botswana, Botswana, 2016.

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Mahindra-École Centrale (MEC),
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S. R. Gunakala, V. Job

MHD Mixed Convective Flows of Nanofluids through Grooved Channels with Internal Heat-Generating Cylinders
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S. R. Gunakala, D. Comission, R. Kumar

The Effects of Wall Permeability on Blood Flow through a Stenosis in the presence of a Magnetic Field
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S. R. Gunakala, A. Sankar, D. Comission

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E. Ramsahai, K. Walkins, V. Tripathi and M. John

The Use of Gene Interaction Networks to improve the identification of cancer driver genes.
Faculty Research Day
April 6-7, at Faculty of Science and Technology, The
University of the West Indies, St. Augustine. 2017

Conference Papers/Proceedings

Department of Chemistry

N. Jalsa

The use of ceric ammonium nitrate as an acetylation catalyst for free and partially protected carbohydrate derivatives.
Canadian Glycomics Symposium, Banff, Canada. May 8th -
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Department of Computing and Information Technology

K. Bahadoor and **P. Hosein**

Application for the Detection of Dangerous Driving and an Associated Gamification Framework
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Vienna, Austria, Aug, 2016

D. Bhagwandin, V. Tripathy and **P. Hosein**

Association Rule Mining of Household Electrical Energy Usage
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Efficient Sentiment Classification of Twitter Feeds
IEEE International Conference on Knowledge Engineering and Applications, Singapore, Sept, 2016

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Enabling Integrated Data Mining Analysis in Moodle with FlexEDM,
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Advanced Systems (ICIAS 2016),
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Social Networks Analysis and Mining,
San Francisco, USA, Aug, 2016

I. Rahaman and **P. Hosein**
*Using MapReduce for Impression Allocation in Online Social
Networks*
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Graphs, San Francisco, Aug, 2016

Exhibitions

Department of Chemistry

Taylor, R. A., Optoelectronic Materials Chemistry at UWI-
STA: Ternary Chalcogenide Colloidal Quantum Dots and
Thin Films for Photovoltaics, Hampton University, Virginia,
USA, July, 26, 2016. (Invited Talk)

Taylor, R. A., S. Wilson, New Bis[5-(4-methoxyphenyl)-
Nⁿ-alkyl-salicylaldiminato] Copper(II) Metallomesogens:
Synthesis, Structures and Low Temperature Liquid Crystal
Phases, 26th International Liquid Crystal Conference, Kent
State University, OH, USA, July 31 - August 5, 2016. (Poster)

Wilson, S., **R. A. Taylor**, Novel Biphenyl Schiff's Base
Copper(II) Complexes: Synthesis, Structures and Low
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Crystal Conference, Kent State University,
OH, USA, July 31 - August 5, 2016. (Talk)

Patents

Department of Computing and Information Technology
Ramneek, **P. Hosein**, C. Wonjun, S. Woojin
*Cost Production Apparatus and Method Considering Data
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Department of Chemistry

Opinions & Commentary

Winnette C., **G. Bent (2017)**. Should you wash your fruits with soap? *UWI Today* June 2017, p11.

Department of Computing and Information Technology

Speaking Engagements

Hosein P.

Wireless Communications

Korea Institute of Science and Technology, South Korea, Sept, 2016.

Hosein P.

Wireless Communications

University of Science and Technology, South Korea, Sept, 2016.

Hosein P.

Represented the IEEE Trinidad Section at the IEEE Regional Meeting on Communications Systems, Medellin Colombia, Nov 2016

Hosein P.

Invited Speaker for the workshop "SIDS: Death, Disaster and the Internet" at the 2016 Internet Governance Forum, Guadalajara, Mexico, Dec, 2016

Hosein P.

Invited Panellist at the 2017 TT Internet Governance Forum, Port of Spain, Trinidad, January 2017.

Hosein P.

Navigating a Path to Growth: A Risk Management and Competitive Intelligence Conference, UWI Cave Hill Business School Conference, Hilton Hotel, Barbados. July 2017.

Faculty of Social Sciences

Journal Publications

Department of Behavioural Sciences

Andrea P. M., **E. J. Johnson** (2017) Social Work Intervention in Adolescent to Parent Abuse. *Journal of Human Behaviour and Social Environment*, Taylor & Francis Group, USA. Published online DOI: 10.1080/10911359.2016.1270868.

Boodram, C.A.S., E. J. Johnson. (2016) Environmental Health Hazards on Industrial Disasters: A study on how to achieve Community level social support. *Natural Hazards*, 84:1, 109–120, Springer Publication, New York Published online doi:10.1007/s11069-016-2410-1

Gomes, S. (2017) Meseret's Story: Women, Work and Betterment in an Ethiopia-Saudi Arabia Return Labour Migration. *African and Black Diaspora: An International Journal, Special Issue Ethiopian Female Domestic Workers in the Middle East and Gulf States*. Doi: 10.1080/17528631.2017.1342981. Published by Routledge.

Huggins, C. L. (2017) Book Review Clarke, L.H. (2011). Facing Age: Women growing older -in Anti-aging culture. *Journal of Women & Aging*, Routledge: Taylor and Francis. 30:1, 87–88

Huggins, C.L., G. Hinkson. (2017) Burial Rituals of Christian Caribbean people of African descent from three Caribbean islands. *OMEGA Journal of Death and Dying*. 1-14. doi:10.1177/00302281773248

Johnson E.J. (2017) An exploratory study on the impact of Domestic Violence on the Families in Trinidad and Tobago, the West Indies: *Journal of Evidence Informed Social Work* 14:1, 19-34. Taylor & Francis Group, London, UK Published online doi: 10.1080/23761407.2016.1269709.

Johnson E.J., C. Descartes. (2017) Parental Influence on Academic Achievement among Primary School Children in Trinidad. *Early Child Development and Care Journal*, 187:7, 1221–1227, Taylor & Francis Group, London, UK, doi: 10.1080/03004430.2016.1163549

Johnson E.J., C. J. P. Worme-Charles. (2016) Case Analysis of Child Abuse and Neglect in Trinidad. *Clinical Social Work and Health Intervention* 6:1,92-99. Published by the International Scientific Group of Applied Preventive Medicine I-GAP Vienna, Austria

Johnson E.J., C.A.S. Boodram. (2017) Health, Well-Being and Quality of Life of Community Members Displaced after an Industrial Disaster in Trinidad. *Journal of Public Health* 25:1, 69–74. Springer Publication, USA DOI: 10.1007/s10389-016-0759

Johnson E.J., V. Rodrigues. (2016) Primary Health Care: Expectations and Tasks for Public Health in Trinidad and Tobago: *Journal of Community Health* 41:3, 645-649 Springer Publication, New York, USA Published online on doi: 10.1007/s10900-015-0140-z

Johnson, E. J., S. Hariharan. (2017) Public Health Awareness: knowledge, attitudes and behaviour of general public concerning Health Risks during a H1N1 Influenza Pandemic. *Journal of Public Health*, Springer Publication, USA, Published online DOI: /10.1080/23761407.2016.1269709.

Kerrigan, D. (2016) Languaculture and grassroots football: “Small Goal” in Trinidad. *International Review for the Sociology of Sport* 51 (6), 735-761.

Kerrigan, D. (2016) Who ent dead badly wounded: The everyday life of pretty and grotesque bodies in urban Trinidad. *International Journal of Cultural Studies* - <http://journals.sagepub.com/doi/full/10.1177/1367877916674740>

Messiah, A. P., **E.J. Johnson** (2017) Social Work Intervention in Adolescent to Parent Abuse. *Journal of Human Behaviour and Social Environment* 27:3, 187-197, Taylor & Francis Group, London, UK. Published online doi: 10.1080/10911359.2016.1270868

Mukiba, S.A.L., **E.J. Johnson.** (2017) How Mothers Perceive their own Domestic Violence Victimization Impacts their Children. *Journal of Child Custody*, 14:1, 34-48. Taylor & Francis Group, London, UK Published online doi: 10.1080/15379418.2017.1314206

Reid, S.D., **J. Gentius.** (2017) Type and Context of Alcohol-Related Injury among Patients Presenting to Emergency Departments in a Caribbean Country. *International Journal of Environmental Research and Public Health*. 14, 877, doi:10.3390/ijerph14080877

Sogren, M. and **Nathaniel, K.** (2017) The Global Agenda: Perspectives from the Caribbean. *International Social Work* 60:2, 271-282.

Department of Economics

Alghalith, M. (2016) A note on a new approach to both price and volatility jumps: An application to the portfolio model. *The ANZIAM Journal*. DOI: 10.1017/S1446181116000171

Alghalith, M. (2016) A note on a new approach to both price and volatility jumps: An application to the portfolio model. *The ANZIAM Journal (Cambridge)* 58, 182-186.

Alghalith, M. (2016) A note on the theory of the firm under multiple uncertainties. *European Journal of Operational Research* 251, 341-343.

Alghalith, M. (2016) Estimating the Stock/Portfolio Volatility and the Volatility of Volatility: A New Simple Method. *Econometric Reviews* 35, 257-262.

PUBLICATIONS AND CONFERENCES

Alghalith, M. (2016) Novel and simple non-parametric methods of estimating the joint and marginal densities. *Physica A: Statistical Mechanics and its Applications* 454, 94-98.

Alghalith, M. (2017) A new parametric method of estimating the joint probability density. *Physica A: Statistical Mechanics and its Applications* 471, 799-803.

Alghalith, M. (2017) A note on the stochastic portfolio optimization, *Economics Bulletin* 37:2, 1265-1266.

Alghalith, M. (2017) Stochastic optimization without Ito's lemma: applications to the portfolio model. *Economics Bulletin* 37:4, 2533-2536.

Alghalith, M. et al. (2017) Input Demand under Joint Energy and Output Prices Uncertainties. *Asia-Pacific Journal of Operational Research* 34, 12 pages.

Alghalith, M. et al. (2017) The impact of joint energy and output prices uncertainties in a mean-variance framework. *Theoretical Economics Letters* 7, 1108 -1120.

Conrad, D. A., M. C. Webb. (2017) Public Expenditure on Chronic Non-Communicable Diseases in the Caribbean: Does it Matter? *Journal of Emerging Trends in Economics and Management Sciences* 8:1, 28-36.

Deonanan, R. and K. Williams. (2016) The effect of remittances on democratic institutions. *Applied Economics*, doi: 10.1080/00036846.2016.1200180.

Deonanan, R., K. Williams. (2017) The effect of remittances on democratic institutions, *Applied Economics* 49:5, 403-416 (Taylor & Francis).

Henry, L., M. Salandy. (2017) The Impact of Capital Flight from Beautiful Places: The Case of the Small Open Economy of Trinidad and Tobago. *Journal of Economics and International Finance*.9:6, 54-61.

Hosein, R., A. Mohammed, R. Gookool. (2017) Foreign Impulses from Traditional and Non-Traditional Trade Partners to CARIFORUM Economies: An Assessment of the Impact of Growth Spillovers on the Region. *Social and Economic Studies Journal* 66:1&2.

Hosein, R., B. Tewarie, D. Conrad (2017) Cost sharing in higher education financing: A model for the Caribbean. *Caribbean Journal of Education* 39:1&2.

Hosein, R., D. Charles, M. Franklin. (2017) Investigating the Reverse Rybczynski Effect of the Shale Revolution Upon a small Oil and Gas Exporting Economy. *Palgo Journal of Business Management* 4:2.

Hosein, R., D. Sinanan, M. Franklin. (2017) Measuring the Evolution of Revealed Comparative Advantage in a Small Hydrocarbon-based Economy Using the Harmonic Mass Index. *Social and Economic Studies* 66:1 & 2, 203-235.

Hosein, R., J. Jagessar, I. Dialsingh. (2017) Procyclical Tendencies in a Small Oil Exporter. *Economia Internazionale/International Economics* 70:3, 319-331.

Saridakis, G., Y. Lai, T. Munoz, I. Rebeca, **A.**

Mohammed. (2017) Actual and Intended Growth in Family Firms and Non-Family Owned Firms: Are They Different? *ERC Research Paper* 60. Enterprise Research Centre, U.K. (pages 1-33).

Theodore K., A. La Foucade, A. Cumberbatch, S. Lalta, E. Scott, C. Metivier, S. Gabriel. (2017) The Consumption and Revenue Effects of Increased Taxation on Cigarettes: A Case Study of Grenada. *West Indian Medical Journal* 66:1. Caribbean Public Health Agency. ISSN: 0043-3144.

Department of Management Studies

Balwant, P. T. (2016) Socio-demographic predictors of secondary school teacher absenteeism in Trinidad. *International Journal of Employment Studies*, 24(1): 6–24. Available online <http://search.informit.com.au/documentSummary;dn=244667989817021;res=IES>

Balwant, P. T. (2016). Transformational instructor-leadership in higher education teaching: A meta-analytic review and research agenda. *Journal of Leadership Studies*, 9:4, 20–42. <https://doi.org/10.1002/jls.21423>

Balwant, P. T. (2017) The meaning of student engagement and disengagement in the classroom context: lessons from organisational behaviour. *Journal of Further and Higher Education*, 1–13. <https://doi.org/10.1080/0309877X.2017.1281887>

Bhatnagar C., M. Salina (2016) Cross-Listing and the nature of Stock Returns: A Study of Caribbean Market History. *University Journal of Management and Commerce* 1:2, 1-16, ISSN: 2455-961X

Bhatnagar C., V. Arjoon (2017) Dynamic herding analysis in a frontier market. *Research in International Business and Finance* DOI: <http://dx.doi.org/10.1016/j.ribaf.2017.01.006>

Brito, P.Q., **M. Rambocas.** (2016) Assessing the impact of mystery client traits on service evaluation. *Journal of Services Marketing*, 30(4): 411 – 426.

Kerr, V. L. (2016) Jamaica's Response to Public Bodies' Corporate Governance Challenges: From Innovation to Implementation, *CAPAM Innovation Review (CIR)*, 22, (3), 32-50. <https://www.capam.org/files/CIRdecember2016.pdf>

Kerr, V. L. (2017) Toward a Model Code of Corporate Governance for Public Bodies: A Case for the Caribbean. *Journal of International Law and Trade Policy* 18:2, 78-101.

Laing, C., **A. Lewis-Cameron.** (2017) Exploring Clustering as a Destination Development Strategy for Rural Communities: The Case of La Brea, Trinidad. *Journal of Destination Marketing and Management* 6 (3): 184-195.

Nathai-Balkissoon, M. (2016) Occupational Safety and Health Management System Implementation Metrics: Results of a Survey of Manufacturing Companies in a Small Island Developing State. *Journal of the Association of Professional Engineers of Trinidad and Tobago* 44:2, 24-34.

Nathai-Balkissoon, M., K. F. Pun. (2016) Factor analysis of elements influencing occupational safety and health management system development in Trinidad and Tobago. *West Indian Journal of Engineering* 38:2, 13-23.

Nathai-Balkissoon, M., K. F. Pun. (2016). OSH at Trinidad and Tobago's fingertips: Learning from first-world OSH website approaches. *International Journal of Public Administration in the Digital Age* 3:3, 57-72.

Permell-Hutton, C., **B.G. Pacheco** (2017) Assessing the Impact of Service Employees' Non Verbal Sexual Signals on Consumer Attitudes: A Caribbean Perspective. *Journal of Global Marketing* 30:1, 31-41.

Rambocas, M., M. K. S. Sastry. (2017) Teaching Business Management to Engineers: The Impact of Interactive Lectures. *IEEE Transactions on Education*, No. 99 (published in rapid post) DOI 10.1109/TE.2016.2637327. <http://ieeexplore.ieee.org/document/7811278/>

Shah, K. U., **S. Arjoon, M. Rambocas.** (2016) Aligning Corporate Social Responsibility with Green Economy Development Pathways in Developing Countries. *Sustainable Development*, 24:4, 237–253.

PUBLICATIONS AND CONFERENCES

Singh, R, Cabralis, S., Nathai-Balkissoon, M. (2017) The Use of Blended Learning Formats: A Critical Look at the Pilot Implementation within the University of West Indies, St. Augustine Campus - Student and Teacher Perspectives. *Caribbean Teaching Scholar*. Education Research for Best Practice, Best Policy

Singh, R. (2016) Predicting organisational embeddedness through employee personality and their community embeddedness. *International Journal of Human Resource Development and Management* 16: (3/4), 176-195.

Singh, R. (2016) Predicting the use of Formal HRM Practices in SMEs: Owner and Firm Characteristics. *Journal of Business Leadership* 24:1, 10-31. ISSN 2164-4454 (online), 2164-4462 (print).

Singh, R., S. Cabralis, M. Nathai-Balkissoon. (2017) Blended learning: A critical look at the pilot implementation within the University of the West Indies, St. Augustine – Student and teacher perspectives. *Caribbean Teaching Scholar* 7:1, 3-25.

Syed A., **B.G. Pacheco** (2016) Location and Pull of Proximate Markets: Internationalization Decisions of Firms in a Small Economy. *Journal for International Business and Entrepreneurship Development* 10:2, 156-172.

Department of Political Science

Ghany H. (2016) Book Review of Critical Interventions in Caribbean Politics and Theory by Brian Meeks (University Press of Mississippi, Jackson, 2014). *New West Indian Guide*, 90 (3-4), 341-342.

Tudoroiu, T. (2016) Unfreezing Failed Frozen Conflicts: a post-Soviet Case Study, *Journal of Contemporary European Studies*, Routledge, 24(3), 375-396.

Books & Book Chapters

Department of Behavioural Sciences

Bristol, L., L. Brown, **T. Esnard.** (2017) Communicating Research: A Challenge of Context. **In** *Educational Leadership: Interrogating the Culturally Specific Sites of Leading Practices*. Ed. Jane Wilkinson and Laurette Bristol, London: Routledge.

Cobb-Roberts, D., **T. Esnard, A.** Uterreiner, V. Agosto, Z. Karanxha, K. (2017) Race, Gender and Mentoring in Higher Education. **In** *The Sage Handbook of Mentoring*. Ed. David Ashley Clutterbuck, Frances Kochan, Laura Lunsford, Nora Dominguez and Julie Haddock-Millar, CA: Sage.

Geoff, B., M. Sedra, B. Headley, C. Hernandez-Ramdwar, R.

Seepersad, S. Wortley. (2016) *Deportation, Circular Migration and Organized Crime: Jamaica Case Study. Public Safety*. Canada. ISBN: 978-0-660-05184-0

Johnson, E. J. (2017) *Public Policy, and Governance Contribution: Social Work and Governance*. Global Encyclopedia of Public Administration, Springer Publications, USA, doi: 10.1007/978-3-319-31816-5_2833-1.

Kerrigan, D. (2016) Who's Afraid of Human Rights? The Judge's Dilemma: An Anthropologist's Contribution. **In** *Distinguished Jurist Lecture: Who's Afraid of Human Rights? A Judge's Dilemma - The Fifth Annual Distinguished Jurist Lecture* by Dame Linda Dobbs DBE. Trinidad: Judicial Education Institute of Trinidad and Tobago.

Kerrigan, D. (2016) *Woodbrook on the Path to Independence in Trinidad and Tobago at 50: A Model Nation?* Ed Patrick Watson. Jamaica: Ian Randle Press.

Seepersad, R. (2017) Crime, Violence, and Security in the Caribbean. **In** *Crime, Violence, and Security in the Caribbean*. Ed. Raymond Izarali, Routledge: New York. ISBN: 978-1-138-69596-2.

Seepersad, R., S. Wortley. (2017) Ethnicity and Crime Victimization in Trinidad and Tobago. **In** *Caribbean Crime and Criminal Justice: impacts of post-colonialism and gender*. Ed. K. Joosen, and C. Bailey. Routledge. New York. ISBN-13: 978-1138223776, ISBN-10: 1138223778.

Department of Economics

Hosein, R., A. Mohammed, J. Jagessar. (2017) Foreign Direct Investment and Economic Development in the Caribbean. **In** *Enhancing Productivity and Growth in the Caribbean*. Caribbean Development Bank, ISBN 978-976-95931-6-9 (pbk), pages 19-41.

Hosein, R., J. Jagessar, A. Mohammed. (2017) Foreign Direct Investment and Economic Development in the Caribbean. **In** *Enhancing Productivity and Growth in the Caribbean*, Caribbean Development Bank (CDB), pp 19-41.

Hosein, R., J. Khadan, R. Seecharan (2016) The Dynamics of Regional Integration in the 21st Century, UWI Press.

Hosein, R., R. Gookool, A. Ali. (2016) The Imperative of a Local Economic Development Approach in the Context of the Dutch Disease. **In** *Developmental Local Governance - a critical discourse in 'alternative development'*. Ed. Eris Schoburgh, John Martin and Sonia Gatchair. pp 147-177.

Theodore K., S. Lalta, A. La Foucade, A. Cumberbatch, C. Laptiste. (2016) Responding to NCDs Under Severe Economic Constraints: The Links with Universal Health Care in the Caribbean. **In** *Economic Dimensions of Non-Communicable Disease in Latin America and the Caribbean, Disease Control Priorities*. 3. ed. Companion Volume. Ed. Branka Legetic, Andre Medici, Mauricio Hernandez-Avila, George Alleyne, Anselm Hennis. Washington, DC: PAHO. pages 133-139.

Theodore, K., S. Lalta, A. La Foucade, E. Scott, A. Cumberbatch, C. Laptiste, C. Metivier. (2016) *Financing Health Care of the Elderly in Small Societies: The Case of the Caribbean*. Springer. Ageing International; doi:10.1007/s12126-016-9258-2.

Department of Management Studies

Arjoon, S. (2016) Islamic Republic of Iran. **In** *Corporate Governance in Developing and Emerging Markets*, Ed. Onyeka Osuji and Frank Stephen, Routledge.

Arjoon, S. (2017) Corporate Governance under Islam: Islamic Republic of Iran. **In** *Corporate Governance in Developing and Emerging Markets* (Franklin Ngwu, Onyeka Osuji and Frank Stephen, eds). Routledge (Taylor & Francis), London and New York.

Cabralis, S. (2016) Trinidad & Tobago Women Premier (Soccer) League. Case Studies in Sport Marketing, 2nd Edition, FiT Publishing – Editor: Brenda G Pitts
<https://libraries.sta.uwi.edu/eresources/book/1>

Kerr V. (2017) Corruption in the Caribbean: A Cause for Action. **In** *Snapshots in Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan.

Kerr V. (2017) The Many Faces of Whistleblowing. **In** *Snapshots on Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan. pp. 129-151. pp. 152-175 <https://libraries.sta.uwi.edu/eresources/book/1>

Stephenson, J.H. (2017). Leader member exchange and age diversity. **In** *Leading Diversity in the 21st Century*. Ed. T. Scandura and E. Mouriño. pp. 161-189. North Carolina, USA: Information Age Publishing.

Department of Political Science

Bissessar A. and Ryan S. (2017) Snapshots in Governance: The Caribbean Experience. Available online at: <https://libraries.sta.uwi.edu/eresources/book/1>. ISBN978-976-620-295-8.

Bissessar, A. (2017) Attaining Power in a Patriarchal Society. **In** *Snapshots in Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan. ISBN 978-976-620-295-8.

Bissessar, A. (2017) Merging: The Changing Nature of Political Parties in Two Fractured Societies. **In** *Snapshots in Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan. ISBN 978-976-620-295-8.

PUBLICATIONS AND CONFERENCES

La Guerre, J. G. (2017). *The Dilemmas of Ethnic Policy: A Global Perspective*. Lexington

Ragoonath, B. (2016) Local Governance in the Caribbean. In *Global Encyclopedia of Public Administration, Public Policy, and Governance*. Ed. Ali Farazmand and Ann Marie Bissessar.

Ragoonath, B. (2017) Campaign Finance and Politics in Trinidad and Tobago. In *Snapshots in Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan. ISBN 978-976-620-295-8.

Ragoonath, B. (2017) Challenges for Local Government in the Caribbean. In *Snapshots in Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan. ISBN 978-976-620-295-8.

Ragoonath, B. (2017) Equitable Access to Campaign Financing. In *Snapshots in Governance: The Caribbean Experience*. Ed. Ann Marie Bissessar and Selwyn Ryan. ISBN 978-976-620-295-8.

Conference Presentations

Department of Behavioural Sciences

C.A.S. Boodram

Forced Migration and its Impact on Communities. U, We and Refugees

Interdisciplinary Panel Discussion and Film Screening:
"Warehoused" in commemoration of World Refugee Day.
June 2017

C.A.S. Boodram

Voices from the Margins: Exploring the Experiences of Deported Men in Trinidad and Tobago

International Federation of Social Workers, European Conference
Reykjavik, Iceland, June 2017

C.A.S. Boodram and P. Mohammed

Ageing and its Discontents

Forum on Non-Discriminatory Budgeting for Vulnerable Groups
Equal Opportunities Commission
Trinidad and Tobago, September 2016

C. Descartes

An exploration of Post-Traumatic Stress Models for Intervention in the aftermath of Natural Disasters in the Caribbean: A case for our Children

Caribbean Regional Conference of Psychology 2016. Promoting Caribbean Health with Multiculturalism and Multilingualism: Challenges and Opportunities
Port au Prince, Haïti, November 7-11, 2016

C. Descartes

The Multiple Faces of Child Abuse and Neglect: A case for the Utility of a Public Health Model within the context of Trinidad
21st ISPCAN International Congress on Child Abuse and Neglect
Calgary, Canada, August 2016

C. Descartes and P. Maharaj

The Multiple Faces of Child Abuse and Neglect: A Case for the Utility of a Public Health Model within the Trinidadian Context
XX1st IPSCAN International Congress on Child Abuse and Neglect.
Calgary, Canada, August 2016

T. Esnard

Entrepreneurial Intentions in the Caribbean: Levels, Determinants and Variations
Sir Arthur Lewis Institute of Social and Economic Studies
Hyatt Hotel, Trinidad and Tobago, April 2017

T. Esnard

Black Women in Academe: A cross-contextual Collaborative Auto-ethnographic Account
American Educational Research Association
San Antonio, Texas, April-May 2017

T. Esnard

Gendered Positionalities and Entrepreneurial Engagement: A Jamaica-Trinidad and Tobago Comparison

Mona School of Business, UWI, Annual Conference on Business and Management Kingston, Jamaica, November 2016

T. Esnard

Rejection Sensitivity, Social Support and Depression among Prospective Teachers

Caribbean Regional Conference of Psychology Port-au-Prince, Haiti. November 2016

T. Esnard and C. Descartes

Cultural Responsiveness and Teacher Education in St. Lucia: A Language Issue

Beyond Talk: Crossing Language Boundaries
Annual St. Lucia Cross-Country Conference
Bay Gardens Hotel, Rodney Bay, St. Lucia, October 2016

F. Frederick-Davis and J. Gentius

Caribbean Medical Providers Practicing Abroad

4th Annual Medical Conference and Community Outreach, June 2017

S. Gomes

Global Networks: The Jamaica Safar in Ethiopia

42nd Annual Conference of Caribbean Studies Association
Nassau, The Bahamas, June 2017

S. Gomes

Global Networks and Socio-Cultural Change: The Making of the Jamaica Safar in Shashamane, Ethiopia

Inter-disciplinary Workshop 'Understanding Local Entanglement of Global Inequalities: Socio-Cultural Transformation and Decolonial Thought.'
Justus Liebig University, Giessen, Germany, April 2017

C. L. Huggins

Trends and Development in work with selected populations Inclusion/Introduction of Marriage and Family Therapy to Couple work in the Caribbean

Association of Caribbean Social Work Educators Bi-annual Conference
Kingston, Jamaica, June 2017

E.J. Johnson and S. Mendoza

Caregiving Coping Strategies of Mothers of Chronically ill Children in Trinidad

3rd Biennial Department of Behavioural Sciences
Postgraduate Research Conference: The importance of interdisciplinary social science research in the Caribbean: Alleviating inequalities/integrating approaches.
The University of the West Indies, St Augustine, Trinidad, March 2017

E.J. Johnson and S. Mendoza

Community Reflections of Adolescent Suicide in Essequibo Guyana

3rd Biennial Department of Behavioural Sciences
Postgraduate Research Conference: The importance of interdisciplinary social science research in the Caribbean: Alleviating inequalities/integrating approaches.
The University of the West Indies, St Augustine, Trinidad, March 2017

E.J. Johnson

A Study on the impact of child abuse in the growth and living conditions of children in Trinidad

Joint World Conference on Social Work, Education and Social Development
Seoul, South Korea, 2016

K.A. Nathaniel-DeCaires

Reviewing the Global Standards for Social Work Education and Training

Canadian Association of Social Work Education Conference
Toronto, Canada, May 2017

PUBLICATIONS AND CONFERENCES

R. Seepersad

Ethnicity and Crime Victimization in Trinidad and Tobago
3rd Biennial Department of Behavioural Sciences
Postgraduate Conference
UWI, St. Augustine, March 2017

Department of Economics

D. Conrad, R. Hosein, and T. Singh

*CSR as a strategy to mitigate the impact of the resource curse:
Evidence from Trinidad and Suriname for Guyana*
Caribbean Urban Forum 2017, Belize City and Belize
Association of Planners, Belize, May 2017

D. Conrad, and R. Hosein

*Population Trends in the Caribbean and Implications for
Funding Tertiary Level Education*
SALISES Conference, Population Planning for Development
in Jamaica, Jamaica Conference Centre, Kingston, Jamaica,
January 2017

D. Conrad, R. Hosein and B. Tewarie

*Elements of the Design of an Income Contingent Loan System
for a Small Petroleum Exporting but Resource Depleting
Economy as a Superior way to Fund Tertiary Level Education*
SALISES Forum, The University of the West Indies,
St. Augustine, Trinidad and Tobago, November 2016

D. Conrad

*Recession Proof, Staying Demand, Strategies for Expanding
and Established Businesses in a Recession*
Odem Business, Centre of Excellence, Macoya, Trinidad and
Tobago, October 2016

R. Deonanan

*Energy consumption and economic development in Caribbean
SIDS: Are there causal links? 'Remittances and economic
development: Evidence from the Caribbean'*
SALISES Conference, Trinidad, April 2017

L. Henry

*The Main Determinants of Commercial Bank Profitability in
Trinidad and Tobago* Breakfast Business Forum, UWI Cave
Hill Campus in collaboration with CIBC First Caribbean
International Bank, November 2016

L. Henry and W. Cupidore

*The Determinants of Commercial Banks Profitability in the
Caribbean*
Presented at the Annual Centre for Money and Finance
Conference, Nassau, Bahamas, November 2016

Department of Management Studies

V. Kerr

*Jamaica's Response to Public Bodies' Corporate Governance
Challenges: From Innovation to Implementation*
CAPAM Biennial Conference
Putrajaya, Malaysia, August 2016

C. Sahadeo

*Financial Structures and Financial Regulation in Small Island
Developing States*
The Sir Arthur Lewis Institute of Social and Economic
Studies 18th Annual Conference: Small Nations,
Dislocations, Transformations, Sustainable Development in
SIDS,
Port of Spain, Trinidad and Tobago, April 2017

Department of Political Science

M. Basdeo

*An examination of committee systems in parliaments of small
states: a study of Trinidad and Tobago and Dominica*
Thirteenth Workshop of Parliamentary Scholars and
Parliamentarians organized by the Centre for Legislative
Studies, The University of Hull, UK
Wroxton College, Oxfordshire, UK, July, 2017

H. Ghany

The Barbados Independence Negotiations: A Declassified View
Barbados 50th Anniversary of Independence Two-Day
Conference

Faculty of Social Sciences, The University of the West Indies,
Cave Hill Campus, Barbados, October-November, 2016

H. Ghany

Suspending MPs: Controversies from Trinidad and Tobago

Thirteenth Workshop of Parliamentary Scholars and
Parliamentarians organized by the Centre for Legislative
Studies, The University of Hull, UK

Wroxton College, Oxfordshire, UK, July, 2017

B. Ragoonath

Critical Concerns for Local Government and Governance

The Caribbean Urban Forum Conference, Mayor's Forum
Belize City, Belize, May 2017

B. Ragoonath

The Caribbean Urban Forum Conference, Central American
Association of Municipal Authorities Business Meeting
Belize City, Belize, May 2017

Other Publications

Department of Political Science

Encyclopaedia Entries

Basdeo, M., 2017. "Executive Accountability Strengthening
in Trinidad and Tobago." in *Global Encyclopedia of Public
Administration, Public Policy, and Governance*, edited by Ali
Farazmand. Springer. 2017.

Basdeo, M., 2017. "Financial Accountability in Budgeting."
in *Global Encyclopedia of Public Administration, Public Policy,
and Governance*, edited by Ali Farazmand. Springer. 2017.

Bissessar, A., 2017. "Colonial Administration in the English-
speaking Caribbean." in *Global Encyclopedia of Public
Administration, Public Policy, and Governance*, edited by Ali
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Bissessar, A., 2017. "Development Administration in the
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Tudoroiu, T. 2017. "China in the Caribbean." in *Global Encyclopedia of Public Administration, Public Policy, and Governance*, edited by Ali Farazmand. Springer. 2017.

Whittier, S. 2017. "Leadership in the Public Sector of Trinidad and Tobago." in *Global Encyclopedia of Public Administration, Public Policy, and Governance*, edited by Ali Farazmand. Springer. 2017.

Technical Papers

Henry, L., D. Noel, D. Seerattan (2016) *A Strategic Analysis of the CARICOM Financial Services Sector*, prepared for CARICOM Secretariat.

Centres & Units

ANSA McAI Psychological Research Centre Journal Publications

Chadee, D., Ali, S., Burke, A., and Young, J. (2017). Fear of crime and community concerns: Mediating effect of risk and pragmatic fear. *Journal of Community & Applied Social Psychology*, 27(4) DOI:10.1002/casp.2326

Books & Book Chapters

Chadee, D. (Ed.). (2016). *Psychology of fear, crime and the media: International perspectives*. New York, NY: Routledge.

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Centre for Health Economics (HEU)

Conference Presentations

S. Lalta

Optimising and Sustaining Benefits of Universal Coverage and National Health Insurance' and 'Human Rights and Health'
Department of Health, St Maarten's Week of Activities on Universal Health Coverage, January 2017

S. Lalta

National Health Insurance Proposals for Jamaica
PAHO-Ministry of Health National Forum on Health Financing Towards Universal Health in Jamaica, December 2016.

S. Lalta

How the Socio-economic and Health Environment Influence HIV-AIDS Policies
HEU-PANCAP LCI First Training and Capacity Building Workshop for CSOs in The Bahamas. November 2016.

S. Lalta

Social Expenditure: Estimation of Social Security and National Health Accounts in the Caribbean
CEPAL's Seminar on National Accounts for Latin America and the Caribbean, Chile, November 2016.

S. Lalta

How the Socio-economic and Health Environment Influence HIV-AIDS Policies
HEU-PANCAP LCI First Training and Capacity Building Workshop for NGOs. Suriname, September 2016.

S. Lalta

Introduction to Priority Setting in Health at Seminar on Priority Setting in Health.
HEU, Centre for Health Economics-August 2016.

R. McLean

HIV Stigma Measurements in Health Care Settings- The Case of Barbados

UWI/Barbados Association of Medical Practitioners (BAMP) Continuing Medical Education Conference- LLOYDE Erskine Sandiford Conference Centre Barbados- November 2016.

R. McLean

How to Pay for it All- Sustainably Financing the GHSA Roadmap
The Global Health Security Agenda (GHSA) Caribbean Roadmap Workshop, Hosted by CARICOM, CARPHA, and USAID- November 2016.

R. McLean

Expert Consultation on Stigma and Discrimination
U.S. President's Emergency Plan for AIDS Relief (PEPFAR) Stigma and Discrimination Task Force, amFAR and Palladium- Washington D.C- November 2016.

K. Theodore

The Effectiveness of Taxation on Alcohol, Tobacco and Sugar Sweetened Beverages in the Caribbean
PAHO/WHO Subregional Workshop on Alcohol, Tobacco and Sugar Sweetened Beverages- Accra Beach Hotel, Bridgetown Barbados – 16-17 May, 2017

K. Theodore

The Consumption and Revenue Effects of Increased Taxation on Cigarettes: A Case Study of Grenada.
CARPHA 62nd Annual Health Research Conference on Climate Change, the Environment and Human Health - April 27-29, 2017.

K. Theodore

The Role of Health in the Future of Social Security in the Region
Regional Seminar on, The Future of Social Security in the Caribbean- St. Vincent and the Grenadines- January 2017.

K. Theodore

Spending Wisely—The Case for Investing in Public Health
11th Caribbean Conference on National Health Financing Initiatives. Bonaire. October 25-27, 2016.

Institute for Gender & Development (IGDS)

Journal Abstracts

Barratt S. (2016) I am not a girlie girl: Young Women's Negotiation of Feminine Powerlessness. *Caribbean Review of Gender Studies*. Issue 10, pp. 11-42

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Barratt. S. (2016) What's in a Name? Nicki Minaj, Indian In/visibility and the Paradox of Dougla Feminism *In Indo-Caribbean Feminist Thought: Genealogies, Theories, Enactments*. Eds. Gabrielle Hosein and Lisa Outar. Palgrave MacMillan.

Hosein. G. (2016) A Will to Power: The Anglophone Caribbean Struggle to Advance Women's Political Leadership *In Negotiating Gender, Policy and Politics: Feminist Strategies, Masculinist Resistances and Transformational Possibilities in the Caribbean*. Eds. Gabrielle Hosein and Jane Parpart. Rowland and Littlefield.

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Hosein. G. (2016) *Indo-Caribbean Feminist Thought Genealogies, Theories, Enactments*. ed(s) Hosein G, Outar L. Palgrave Macmillan. 2016.

Hosein.G. (2016) *Negotiating Gender, Policy and Politics: Feminist Strategies, Masculinist Resistances and Transformational Possibilities in the Caribbean*. (eds.) Jane Parpart Rowland and Littlefield, 2016.

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Conference Presentations

S. Barratt

I'm an Authentic Dougl: Dougl'a Constructions of Ethnic Subjectivity.

41st Annual Conference of the Caribbean Studies Association (CSA), Marriott, Port au Prince, Haiti. June 5th – 11th, 2016.

S. Barratt

Reinforcing Sexism and Misogyny: Social Media, Symbolic Violence and the Construction of Femininity-as-Fail.

Colombo, Sri Lanka. May 4-6, 2017.

S. Barratt

Tief a Wine: Masculine Entitlement and Rape Culture in the Trinidad and Tobago Masquerade.

The UWI St. Augustine Campus. March 2017.

S. Barratt

Rethinking Mixedness through the Caribbean Dougl'a Body: Interpretations Beyond the Black/White Binary.

Justus-Liebig University, Giessen, Germany and The UWI St. Augustine Campus. May 2017.

G. Hosein

Decolonising Caribbean Feminist Thought.

International Conference on Understanding Local Entanglement of Global Inequalities: Socio-Cultural Transformation and Decolonial Thought. Geissen, Germany. April 27, 2017

A. Nixon

Caribbean Feminist Visioning and Decolonial Praxis.

3rd World Conference on Women's Studies 2017.

"Building Resilience: Building Dialogue, Collaboration and Partnerships Across our Differences."

Colombo, Sri Lanka. 4-6 May 2017.

A. Nixon

Take Back De Wine: Women's Sexual Agency and Erotic Subjectivity in Carnival Space.

One Day Symposium - Memory, Politics and Performance in the Trinidad Carnival Complex. Department of Literary, Cultural and Communication Studies.

The UWI St, Augustine, Trinidad and Tobago, 3 March 2017.

A. Nixon

Caribbean LGBTQI Being and Living – Moving Beyond Unliveable Narratives.

Roundtable. Beyond Homophobia: Centring LGBT Experiences in the Caribbean. Regional Conference, The University of the West Indies, Mona, Jamaica.

26-27 January 2017.

A. Nixon

Feminism, Pan-Africanism and Identity in the Caribbean and Diaspora.

AWID International Forum (Association for Women's Rights in Development). Feminist Futures. Bahia, Brazil.

9 September 2016.

A. Nixon

Bahamas Junkanoo and the Bahamian Tourist Economy.

Brooklyn College, USA. 7 March 2017

(Joined via video conference)

P. Mohammed

Other People's Lives: Exploiting Difference.

Keynote Address at The 3rd World Conference on Women's Studies: Building Resilience: Dialogue, Collaboration and Partnerships across Our Differences.

Colombo, Sri Lanka. May 2017.

P. Mohammed

Space and Cartography in Imaging the Caribbean: Culture and Visual Translation.

"Bodies, Boundaries & Borders: Conversations of Crossing" with Shani Mootoo. Rutgers University, New Jersey.

March 23, 2017

PUBLICATIONS AND CONFERENCES

P. Mohammed

Male Underachievement: Fact or Fiction.

St. Kitts and Nevis. Lecture Series- Gender Affairs
Permanent Secretary and Men's Movement.
November 15-16, 2016

P. Mohammed

The Making of Caribbean Feminisms Project 1998-2015.

Caribbean Global Movements: People, Ideas, Culture,
Arts and Economic Sustainability.
Caribbean Studies Association Conference, Haiti
June 5-11 2016.

R. Reddock

Feminisms, Sociology and the Global South: Back to the Future,

Invited Commons Session, International Sociological
Association Forum, Vienna.
10-14, July, 2016.

Institute of International Relations (IIR)

Journal Publications

Byron J. (2017) Martinique's Accession to the Organisation
of Eastern Caribbean States: A New Chapter in Caribbean
Regionalism? *The Round Table* Vol. 106 (3) pp. 279 – 302.

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posibilidades para el Caribe de la CARICOM. *Revista de
Estudios e Pesquisas sobre as Américas*, Vol. 10, Issue 2.
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view/21894](http://periodicos.unb.br/index.php/repam/article/view/21894)

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Participation in Trade Policy: The Case of the CARIFORUM–
EU EPA. *VOLUNTAS: International Journal of Voluntary and
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Science & Policy* 58: 16–28.

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Regionalism in the Commonwealth Caribbean. *Caribbean
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governance and Caribbean SIDS. *Environment, Development
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Scobie, M. (2017). Accountability in Tourism Governance.
*Global Encyclopaedia of Public Administration, Public Policy,
and Governance*, Springer International Publishing: 1-19

Scobie, M. (2017). Fossil fuel reform in developing states: The
case of Trinidad and Tobago, a petroleum producing Small
Island developing State. *Energy Policy* 104: 265-273.

Books & Book Chapters

Anatol, M., R. M. Kirton. (2016) Weak States and Security
Challenges: The Case of Guyana in Fragile States in Americas.
In Fragile States in the Americas. Ed. Jonathan D. Rosen and
Hanna S. Kassab. The Rowman and Littlefield Publishing
Group, Inc.: Lexington Books. ISBN 978-1-4985-4356-9

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Byron, J. (2016) Summitry in the Caribbean Community: A Fundamental Feature of Regional Governance. *In Summits and Regional Governance: The Americas in Comparative Perspective*. Ed. Gordon Mace, Jean-Philippe Therien, Diana Tussie, Olivier Dabène. New York: Routledge. Pp. 88 - 105 ISBN 978-1-3175-6654-0

Girvan, N. and A. Montoute. (2017) The EU and the Caribbean. *In The African, Caribbean, and Pacific (ACP) Group and the European Union (EU) Development Partnership: Beyond the North South Debate*. Ed. A. Montoute and K. Virk. Cham: Palgrave Mcmillan.

Montoute, A. and K. Virk. (2017) Ed. *The African, Caribbean, and Pacific (ACP) Group and the European Union (EU) Development Partnership: Beyond the North South Debate*. Cham: Palgrave Mcmillan.

Scobie, M. (2016). Regional Climate Governance. *In Global Encyclopedia of Public Administration, Public Policy, and Governance*. Ed. A. Farazmand. Springer International Publishing. ISBN 978-3-319-20927-2.

Conference Presentations

J. Byron

South-South Cooperation in a Turbulent Development Decade: Lessons from Caribbean Experiences 2005-2015
Inaugural Professorial Lecture
Social Sciences Lecture Theatre, UWI Mona, Jamaica,
September 29 2016

J. Byron

The SDG 2030 Agenda for Small States in the Caribbean Region: Implications for Foreign Policy priorities and for new and traditional partnerships
Anton De Kom University/UNDP Regional Seminar on Opportunities and Challenges for Small States in Achieving the Sustainable Development Goals
Hotel Torarica, Paramaribo, Suriname, November 16 - 17 2016

J. Byron

Possible Implications for CARICOM Countries of Trump Victory in the US Presidential Elections of November 2016
Tenth International Conference on Caribbean Studies of the Catedra del Caribe
University of Havana, Cuba, Estados Unidos y el Caribe a dos anos del 17-D, December 5- 8 2016

J. Byron

South-South Cooperation: Lessons from Caribbean Experiences of Engagement with Cuba and Venezuela
Guest lecture delivered to students at the Instituto Superior de Relaciones Internacionales MinRex, Havana, Cuba, December 7 2016.

J. Byron

The Impact of 2016: Caribbean Diplomatic Repositioning
Journé d'Etudes sur la Cooperation Regionale Centre d'Analyse Geostrategique et Internationale
Universite Antilles, Campus Fouillole, Pointe-a-Pitre, Guadeloupe, January 13 2017

J. Byron and M. Kirton

Trinidad and Tobago: Background Paper on Geopolitics
Future Security Threat Assessment Workshop
ITAC, National Security Council Secretariat of the Government of Trinidad and Tobago, IIR UWI St. Augustine, February 6 - 7 2017

PUBLICATIONS AND CONFERENCES

J. Byron

Possibilities for the evolution of contemporary globalization, implications for Latin America and the Caribbean
CRIES International Seminar «La Agenda de America Latina y el Nuevo Orden Mundial: Primer Encuentro de Analisis y Reflexion
Hilton Hotel, Panama City, Panama, March 7 - 8 2017

J. Byron

Guest lecture on CARICOM delivered by virtual means to young diplomats class
Instituto Matias Romero
Ministry of Foreign Affairs, Mexico City, Mexico,
April 25 2017

J. Byron

The Implications of BREXIT for the British Non-Self Governing Territories in the Caribbean and North Atlantic
UN Special Committee on Decolonization, SubCttee C-24, Caribbean Regional Seminar on The Future for Decolonization in the Non-Self-Governing Territories: What are the Prospects? National Insurance Services Headquarters, Kingstown, St. Vincent and the Grenadines,
May 16 - 18 2017

J. Byron

BREXIT and its Possibilities: what role for the EU-CELAC Partnership?
Round Table 2 on The Caribbean facing Changes in the International Landscape Conference Institut des Ameriques EU-LAC 2017, Palais du Luxembourg, Paris France,
June 1 2017

J. Byron

Workshop Facilitator, EULAC Foundation Reflection Forum on Productivity and Growth in Latin America, the Caribbean and the European Union, Casa de las Americas, Madrid, Spain, July 10 – 11, 2017

G. Chami

Round Table on CARICOM's Relations with the United States and with Cuba (Moderator)
Cuba-US Relations and Implications for CARICOM Countries Workshop organized by the Institute of International Relations (IIR), UWI, St. Augustine and the Cátedra de Estudios del Caribe -Norman Girvan- of the University of Havana
Lecture Room 1, IIR, March 13 2017

G. Chami

The Importance of Interdisciplinary Social Science research in the Caribbean: Alleviating Inequalities/Integrating Approaches
Diplomacy in Small Island Developing States,
Third Biennial Department of Behavioural Sciences Postgraduate
Learning Resource Centre (LRC), UWI, St. Augustine Campus,
March 22 - 23 2017

G. Chami

Peacebuilding and Development
Caribbean Studies Association 2017,
Culture and Knowledge Economies
Nassau, Bahamas, 5th – 9th June, 2017

G. Chami

Peace and Non-violence in Secondary Schools
4th Annual Youth Assembly Plenary Sitting (Via Skype)
Tobago House of Assembly, November 30, 2016

R.M. Kirton

Geopolitical and Geostrategic Considerations for Caribbean-Latin American Relations
Inter-American Defense College Workshop
Port of Spain, Trinidad and Tobago, 2016

R.M. Kirton

Small Island States' Diplomacy in the Asian Century: A Caribbean Perspective
International Forum on Diplomatic Training-Australian National University
Canberra, Australia, 2016

R.M. Kirton

Social and Economic Impact Assessment/Study at the Weg Naar Zee Ressorst
Suriname (UNDP), 2016

R.M. Kirton

A Geopolitical Update of Latin America and The Caribbean: A Caribbean Perspective
LACIGS Winter Course
Curacao, 2016

R.M. Kirton

An Inclusive Commonwealth: Trinidad and Tobago's role in the Commonwealth, Commonwealth Day Symposium
Port of Spain, Trinidad, 2016

R.M. Kirton

Bridging the Divide: CARICOM – Latin American relations in the Changing Global Environment
ISRI Conference
Havana, Cuba, 2016

R.M. Kirton

International Relations in the Caribbean: A history of the Institute of International Relations at UWI
10th Conference on Cuba – Caribbean Relations
Havana, Cuba, 2016

R.M. Kirton

Mediation and International Diplomacy: the role of second track diplomacy
Mediation Board of Trinidad and Tobago Seminar
Tobago, 2016

R.M. Kirton

CARICOM's current Hemispheric Relations and their Geo-strategic implications
Inter -American Defence College Symposium
Port of Spain, Trinidad, 2016

J. Laguardia Martinez

Las relaciones de Cuba con el Caribe tras el 17D
XXXV LASA Congress
Lima, April 29 – May 1 2017

J. Laguardia Martinez

La crisis económica y sus impactos en las mujeres caribeñas
XXXV LASA Congress
Lima, April 29 – May 1, 2017

J. Laguardia Martinez

Cuba-US Relations and Implications for CARICOM Countries
Workshop
Institute of International Relations,
UWI, St. Augustine campus, March 13, 2017

J. Laguardia Martinez

La actualización del modelo económico y social, y la política exterior de Cuba en un entorno global cambiante: Análisis de escenarios prospectivos
2nd Regional Workshop organized by the Coordinadora Regional de Investigaciones Económicas y Sociales (CRIES)
Panama, March 9-10, 2017

J. Laguardia Martinez

Visiones desde el Gran Caribe sobre las relaciones Cuba-Estados Unidos: el caso del Caribe de la CARICOM
X International Conference of Caribbean Studies: *Cuba, Estados Unidos y el Caribe a dos años del 17-D*, organized by the Cátedra de Estudios del Caribe -Norman Girvan-
University of Havana, Havana, December 6-9, 2016

J. Laguardia Martinez

Mujeres Cubanas Vinculadas a Temas Caribeños
Workshop for Cuban Women working on Caribbean Issues, organized by the Cátedra de Estudios del Caribe -Norman Girvan-
University of Havana, Havana, Cuba, December 5, 2016

PUBLICATIONS AND CONFERENCES

J. Laguardia Martinez

Caribbean SIDS and SDGs: a Cuban perspective

Regional Seminar Academic discourse on opportunities and challenges for Small States in achieving the Sustainable Development Goals (SDGs),” organized by the Institute of International Relations and the Faculty of Social Science of the Anton de Kom University and United Nations Development Programme
Paramaribo, Suriname, November 16-17, 2016

J. Laguardia Martinez

Development and Environmental Challenges in Caribbean SIDS;

Conference in the Institute of Developing Economies at the Japan External Trade Organization (IDE-JETRO),
Tokio, October 4, 2016

J. Laguardia Martinez

SIDS Caribeños y Principales Desafíos al Desarrollo. El Caso de Trinidad y Tobago

Lecture at the Unidad de Estudios de Políticas Económicas y Sociales del Caribe (UEPESC) of the Ministry of Economy, Planning and Development of the Dominican Republic
Santo Domingo, Dominican Republic, September 2016

J. Laguardia Martinez

IGDS and You

Workshop organized by the Institute for Gender and Development Studies (IDGS)
UWI Campus, St. Augustine, April 21 2017

J. Laguardia Martinez

Panel discussion on film “Ciudad en Rojo”

Latin American and Caribbean Literary Film Festival CineLit,
NGC Bocas Lit Fest,
Trinidad and Tobago, April 20 2017

A. Montoute

CARIFORUM Ministerial Retreat: Consultation on the Caribbean within the EU/CELAC Partnership
Kingston, Jamaica, 29 March 2017

D. Seerattan, J. Jhinkoo and G. Ganga

Measuring Financial Development in the Caribbean Economies and its Effect on Economic Growth

48th Annual Monetary Studies Conference
Colonial Hilton, Nassau, The Bahamas, November 9-11, 2016

D. Seerattan

The Caribbean Economic Performance Report November 2016

Meeting of the Committee of Central Bank Governors,
hosted by the Bank of Jamaica,
Jamaica, November 24-25, 2016

D. Seerattan

XLV Meeting of the Network of Central Banks and Finance Ministries
IADB Headquarters, Washington DC, USA, April 19-20, 2017

Other Publications

Monographs

Kirton, R.M., Roach K. (2017) A History of the Institute of International Relations: 50 Years and Beyond. Ed. Khellon Roach and Mark R. Kirton. Ian Randle Publisher.

Newspaper & Magazine Articles

Laguardia Martinez, J. (2016) US-Cuba Reviewed Relationship: What future is there for the rest of the Caribbean? *The Pelican*, Issue 14: 48-53.

Technical Reports

Kirton, R.M.

An Inclusive Commonwealth: Trinidad and Tobago's Role in the Commonwealth. Port of Spain, Trinidad and Tobago, 2016.

Laguardia Martinez J.

Non-Communicable Diseases and Climate Change Synergies in Caribbean Small Island Developing States. Technical report prepared for the Healthy Caribbean Coalition (HCC), May 2016, 50 pages.

Seerattan, D.

Caribbean Regional Financial Stability Report 2015, March 2016. Contributed to and managed this publication on behalf of the Regional Financial Stability Coordinating Council (RFSCC) (83 pages).

Seerattan, D.

Liquidity Dynamics and Central Bank Policy Intervention in Select Caribbean Foreign Exchange Markets by Dave Seerattan and Nicola Spagnolo. Financial Deepening and Post-Crisis Development in Emerging Markets: Current Perils and Future Dawns, Edited by Aleksandr V. Gevorkyan and Otaviano Canuto, June 2016 (Pages 149-167).

Seerattan, D.

A Strategic Analysis of the Financial Services Sector in the CARICOM Community. Prepared for the CARICOM Secretariat jointly with Lester Henry and Dorian Noel, March 2017 (71 pages).

Seerattan, D.

The Caribbean in the European Union-Community of Latin American and Caribbean States Partnership. Report funded by the EU-LAC Foundation, April 2017 (162 pages).

Seerattan, D.

Recent International Economic Developments and Economic Prospects for the Caribbean in 2017. CCMF Newsletter, Volume 9 No. 10, October, 2016, pp. 1-3.

Seerattan, D.

Financial Infrastructure and Financial Stability in the Caribbean. CCMF Newsletter, Volume 9 No. 8, August 2016, pp. 1-2.

Seerattan, D.

Brexit: International Context, Global Impact and Implications for the Caribbean. CCMF Newsletter, Volume 9 No. 6, June 2016, pp. 1-4.

Seerattan, D.

Trinidad and Tobago's Mid-Term Budget Review: The Strategy for Economic Adjustment in a Difficult Global Economic Environment. CCMF Newsletter, Volume 9 No. 4, April 2016, pp. 1-2.

Seismic Research Centre (SRC)**Journal Publications**

Anna Hicks, Teresa Armijos, Jenni Barclay, Jonathan Stone, **Richard Robertson**, Gloria Patricia Cortes (2017). Risk communication films: Process, product and potential for improving preparedness and behaviour change. *International Journal of Disaster Risk Reduction*, 23, 138-151, ISSN 2212-4209, <https://doi.org/10.1016/j.ijdr.2017.04.015>.

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