

NEWSLETTER

INHA GLOBAL MESSENGER
A NEWSLETTER OF INTERNATIONAL GRADUATE STUDENTS



GRADUATE SCHOOL

INHA UNIVERSITY

INCHEON, SOUTH KOREA

LAB STORY

EXPERIENCES

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Country Discovery

Kyrgyzstan, Pakistan

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INHA GLOBAL MESSENGER

6TH

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Cambodian Student Community

INHA University offered a lot of scholarship chances for many international students. There were 20 Cambodian students including master and bachelor degree. Even though we have different scholarships, we still have strong relationship and always keep in touch with each other as a family.

When new students came to INHA University, we picked up them from airport. At the first day of the new comers, we gave them warm welcome from our community and had lunch together. We also helped to settle in the new environment by helping them in all aspects of necessity. If they met problem like taking exam or going to other places, seniors always helped them to handle it.

Last year we had Khmer new year festival, which is the Cambodian New Year. We continually kept in touch and cooperated with other student community to organize the festival. Some groups prepared for Cambodia traditional meals, and other groups practiced traditional dance and games. At that time, we had fun performing traditional dance and enjoyed our delicious foods.



At weekends, we usually spent our time together to cook the Cambodia foods at junior's house. We also had a great time to play basketball, football and Cambodia traditional games.



INHA harmony culture festival, it was organized by graduate school and student ambassadors. It was the best chance for us to show and share about our beautiful culture and tradition. We prepared traditional dance and booth exhibition. Prior to the event, we had fun preparing traditional snack and performing our traditional dance. Our Cambodian group also joined Korean singing contest with other countries. Even though we are not good at Korean song, but we still had fun and a great memory for our performing.



When Cambodian students were graduated, We bought gifts for them like flower also took funny photo together for there sweet memory. We also celebrated farewell party for our community by having a great dinner together. At the last day, We accompanied them to the airport and waited until they went into the gate.



LABORATORY STORY



A New Chapter Of My Life

I still remember the first time I started graduate school. It was last year in 2014, at the end of August when the breeze was still cool, the sky was blue and the clouds were clear as crystal. Even though I finished my Bachelor's degree at Inha University, the first day of graduate school was giving me a new series of worries as I thought of a new environment and all the strangers I would spend time with every day.

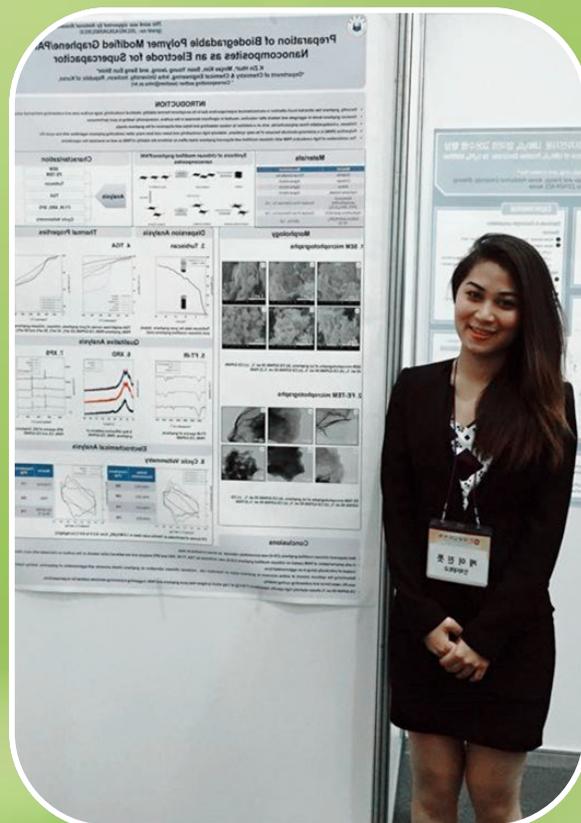
As I walked into the room, there were approximately ten cubicles set up. A senior, Kyung Hee, who picked me up at the airport (and soon became my favorite senior in a few months,) toured me around the lab. She explained that we have two properties; the office where the cubicles are and the experiment lab. I settled myself in the corner right beside the window and far away from the door, so that I could stay away from the clattering sound coming from outside and concentrate on my work.

Kyun Hee continued explaining the field of experiments we were doing in the lab. Since our lab is the 'Polymer Nanomaterial Laboratory,' the work in the lab can be divided into 3 main categories as : Polymer Nanocomposites for Electronic and Energy Materials , Functional Polymer Colloids and Specialty Rubber Nanocomposites

The experiment lab is a humongous jungle with shelves of chemicals, machines to shake, beakers, and also numerous pieces of unfamiliar equipment laying on every inch of the table. An electrospinning machine used for synthesizing Carbon Nano Tube Material (CNT) which is mostly used in super capacitors, a giant high viscosity kneader tester and a rolling machine for compounding polymers, sophisticated three-neck-round-bottom-flasks in N₂ environment connecting with a condenser for polymerization experiments.

I was half nervous and half exuberant from the fact that I am actually in a graduate school laboratory and spending another two years with those extremely difficult looking equipment.

Jeong Gong, a senior from the lab, explained to me how to do basic polymerization such as emulsion polymerization and dispersion polymerization. He also explained that every new-comer has to do the basic polymerization experiment for a month and after that they can choose the field they want to be in. Jong Gong did the polymerization was trying to make an expansion capsule that can be used in car bumpers, tires etc. I was wondering if I could choose polymerization as a main experiment as it seemed quite simple and straightforward.



A New Chapter of My Life

On the other hand, Yong Song, a Ph.D. candidate explained that he was using graphene and silica to prepare a very high conductivity and highly stable material which has insulator properties but allows heat to pass through. I was thinking this area might be very challenging yet interesting. The experiment turned out to be a very useful idea for companies, and a company called WAPS purchased the patent with a gargantuan amount of money at the time I was writing this article.

However, while I was vacillating to choose an experiment subject, Kyung Min, a senior specializing in Polymer Nanocomposites for Electronic and Energy Materials, allowed me to watch his experiment. His experiment included fabricating an electrode material by electrospinning nylon material as a core and coating it with aniline monomer on top of that. By the time the aniline monomer is polymerized on nylon material, the liquid turns blue from a transparent color and I thought it was very fascinating.



After over a year in a graduate school, I have seen all the goals demonstrated in the lab and have become familiar with my experiment, and I'm starting to fit in with the graduate school procedures of Korea. I can finally see myself being able to work long hours, find enthusiasm from standing for hours beside the experiment poster and waiting for somebody's question at the conferences. Certainly one of the best things has been the friendship with my other lab-mates.

Being in graduate school has been tough, full of ups and downs and a lot of stressful nights, both because of academic and social life. However, without the help from my lab mates I highly doubt that I could achieve, what I am achieving now. My advice for graduate school – 'Prepare for the worst but love what you do; ask questions and try to put yourself in their shoes'.

Finally I chose Polymer Nanocomposites for Electronic and Energy Materials (for short we call it electrochemistry,) as my experiment field. The first part of my experiment deals with polymerization and the second part is electrochemistry which fulfills my wish of being involved with both polymerization and electro chemistry.

The first semester of graduate school was agony; awkward conversations with co-workers, failures of experiments due to lack of experience, sadness due to sleepless nights... At the end, I tried to get close to the seniors by inviting them to the party booth at the school festival, trying to ask questions



LABORATORY STORY



Artificial Intelligence Laboratory

Department of Computer and Information Engineering

Located at Inha Hi-Tech-Center 1210 / Inha Hi-Tech-Center 1207

Due to its scope and popularity Artificial Intelligence laboratory is one of the largest labs at Inha University. To be honest, I myself wasn't much sure about how much big impact Artificial Intelligence has before I explored the capability and applications of this field after I came to this lab. Starting from Google's Voice Recognition, Self Driving Car, Autonomous language translation to Amazon's recommendation System and many more were possible thanks to the Artificial Intelligence scientists. Despite all of these cool stuff we, AI researchers, believe that's just a beginning. Nowadays equipped with enormous computational resources we can push things even further through young and courageous researchers like you and your friends. Once coming into lab our members are always willing to work hard to achieve best results on their research areas.



Currently 14 graduate students are carrying out research in our lab. Most of them are international students. We are always welcome for some more.

Every Saturday after seminar we go out and have lunch with our Professor and all of lab members. This gathering pushes us even closer towards each other.

Towards the end of the year or in holidays we visit some new places to refresh ourselves. Those kind of activities give us more

In our lab we usually concentrate on the following subjects:

Intelligent Augmented Reality

- ✦ Ontology based reasoning & Semantic Search
- ✦ Multimedia Metadata Management & Retrieval
- ✦ Augmented Reality, Object Recognition & Tracking
- ✦ Automatic Semantic Metadata Generation

Knowledge sharing and Management

- ✦ Intelligent Data Analysis & Information filtering
- ✦ Information sharing on Distributed Environment
- ✦ Ontology, Reasoning, Big Data

IOT mash-up service platform based on AR

- ✦ Augmented Reality, Deep Learning
- ✦ Internet of Things, Open IoT Platform
- ✦ Mash-up Service, Wearable Glasses
- ✦ Context-Awareness, Semantic Big Data, LOD



Publications

Journal : 126 (International: 60, Domestic: 66) .

Proceedings: 171 (International: 87, Domestic :84)

To explore more about Artificial Intelligence Laboratory, please kindly visit <http://ailab.inha.ac.kr/>

By: Jumabek Alikhanov

DISCOVERY COUNTRY

Kyrgyzstan & Pakistan



DISCOVER COUNTRY



Kyrgyzstan

Kyrgyzstan, officially the Kyrgyz Republic, formerly known as Kirghizia, is a country located in Central Asia. Landlocked and mountainous, Kyrgyzstan is bordered by Kazakhstan to the north, Uzbekistan to the west, Tajikistan to the southwest and China to the east. Its capital and largest city is Bishkek.

By : Adylbek

Kyrgyzstan's history spans over 2,000 years, encompassing a variety of cultures and empires. Although geographically isolated by its highly mountainous terrain – which has helped to preserve its ancient culture. Kyrgyzstan has historically been at the crossroads of several great civilizations, namely as part of the Silk Road and other commercial and cultural routes. Though long inhabited by a succession of independent tribes and clans, Kyrgyzstan has periodically come under foreign domination due to its strategic location, attaining sovereignty as a nation-state only after the breakup of the Soviet Union in 1991.

Location and Geography.

Kyrgyzstan has an area of 76,500 square miles (198,500 square kilometers). Its neighbors are China to the southeast, Kazakhstan to the north, Tajikistan to the southwest, and Uzbekistan to the northwest. In addition, Tajikistan and Uzbekistan control two enclaves each within Kyrgyzstan's borders in the southern part of the country. Ninety-four percent of the land is mountainous, and only 20 percent of the land is arable.



Climate

Kyrgyzstan has a continental climate with cold winters and warm summers. In the lowlands, the temperature ranges from around -6°C (21°F) in January to 24°C (75°F) in July. In the low-lying Fergana Valley of the south temperatures may peak as high as the low 40s in summer.

Linguistic Affiliation

Kyrgyz is a Turkic language, most closely related to Kazak. Kyrgyz is mutually intelligible with both Kazak and Uzbek. In 2000 Russian was adopted as an official national language. It is still commonly used as the language of business, and many ethnic Russians cannot speak Kyrgyz. All children study Kyrgyz, Russian, and English in school.



Demography

In 2014 the population of Kyrgyzstan was estimated about more than 5.8 million. Approximately 56.4 % of the inhabitants are ethnically Kyrgyz. Ethnic Russians (22.5 % and Uzbeks (12.6 %) make up the largest minorities. Many Kyrgyzstan-born Germans and Russians emigrated after the fall of the Soviet Union, but due to government efforts, Russian emigration has slowed. The Kyrgyz have a high birth rate, and have become the ethnic majority since independence. The majority of the population (64%) are non-denominational Muslims.



National Identity

Until the advent of Communist control, the Kyrgyz were still a nomadic people made up of individual tribes. The idea of a Kyrgyz nation was fostered under Soviet rule. Kyrgyz traditions, national dress, and art were defined as distinct from their neighbors. Today people will name the Kyrgyz national hat (kalpak), instrument (komuz), sport (uulak), house (boz-ui), drink (kumyss), and foods.

Best Places to Visit in Kyrgyzstan



Issyk-Kul:

Lake Issyk Kul is the most popular tourist attraction in Kyrgyzstan. It's the world's 2nd largest alpine lake and spreads itself out majestically in the midst of the Tien Shan "Celestial" Mountains. The lake is so big, it looks like an ocean, but with a snow-capped backdrop in the distance.



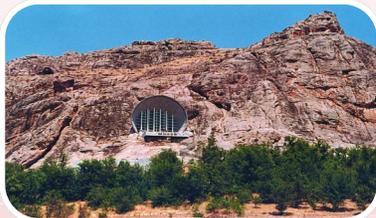
Sary- Chelek Biosphere Reserve:

In the entire country of Kyrgyzstan, places to visit are abundant, but few hold a candle to the Sary Chelek Biosphere Reserve. This 23.9 sq km piece of wilderness is remote, virginal, and spectacular.



Lenin Peak:

Lenin Peak is a 7,134 meter peak in Kyrgyzstan that can actually be submitted by amateur and professional climbers alike. This is a spectacular destination where you can feel like you're standing at the top of the world



Mount Sulaiman Too:

A famous mountain Located in the middle of the southern city of Osh.

Mount Sulaiman Too is considered a sacred place by those of the Islamic faith and is frequently visited by travelers as well. Mt Sulaiman Too contains a large museum as well as several historical sites including 2 mosques from the 16th century.



Central Tien Shan:

Even the local nomads avoid this part of Kyrgyzstan, which contains the country's two highest peaks.

The Central Tien-Shan in the far east of the country that borders China and Kazakhstan offer challenging mountaineering and glacier walking opportunities for the truly intrepid and only experienced climbers should attempt a trek in Tien Shan, but those who brave Kyrgyzstan's harshest conditions can see a disappearing lake and supposed UFO landing site. The only time for non-winter alpinists to visit is July and August.



DISCOVER PAKISTAN

“Islamic Republic of Pakistan”



It gives me immense pleasure to introduce “Explore Pakistan.” as the student ambassador for Pakistan at graduate school, Inha University to foster the needs of students and tourists of other interests, who are interested to explore Pakistan. I endeavor that once you as our guest, share laughs with us will visit Pakistan again and again because word Pakistan means “**The land of pure**”, where snowcapped peaks of Himalaya’s, Karakoram’s, Hindukash and Pamir ranges meet. A land where history and ancient civilization mystifies one’s heart, a land where spiritualism unveils its mystery at the shrines of Sufi Saints.

The official name is “*Islamic Republic of Pakistan*”. Pakistan’s flag has a star and crescent, traditional symbol of Green stances for Muslim majority and white the minorities living in Pakistan. The basic unit of currency is “Pakistani Rupee”. The Islamic Republic Pakistan has covering area of 796095 sq. km. Greatest Distance north south 1505 kms, east west 1287 kms Coastline 814 kms. Pakistan lies in South Asia. A strip of 20 kms of Wakhan corridor of Afghanistan separates Pakistan from Tajikistan in north.



Climate

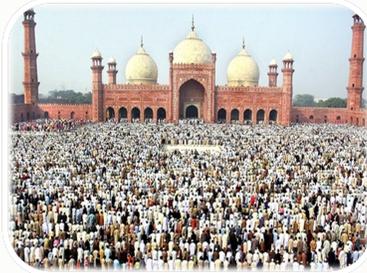
Most of Pakistan has a dry climate, with hot summer and cool winters. Average rain fall of a year is 10 inches (25 centimeters) but amount of the rain varies greatly from year to year. Average temperature varies from one part of Pakistan to another. The mountain regions have the coolest weather. The Average temperature in summer is 24°C and winter temperatures often fell below freezing. In the Southern plain of Pakistan the average temperature in summer is 32°C and in winter 13°C.





Culture and Language

A number of cultural groups are living in Pakistan and each of them has its own customs characteristics. Language is the chief difference that divides the cultural groups. Urdu is Pakistan's official language but less than ten percent of people speak it as their primary language. Each cultural group has its own language or dialects. The Punjabis, who make up the largest cultural group, live mainly in the Punjab. They speak various dialects of Punjabis language. Other leading groups, in order of size, include the Sindhi, Pashtuns, and Balochi. The Sindhi form most of the population of Sindhi Province. The Pashtuns are divided into various tribes that occupy the North West Frontiers province and the Northern part of the province of Baluchistan. The Balochi includes many nomadic tribes that live near oases and along a few streams in Baluchistan. Balochi's has many dialects.



Religion

About 97 % of Pakistani are Muslims, the followers of Islam, is the chief link among the various cultural groups that make up Pakistan's population. Muslim holidays are the national holidays throughout Pakistan. Christine makes up about 1.5 percent of the population. Pakistan has also a number of other minorities groups like Hindu, Parsis, and Buddhists.

Traditional foods of Pakistan

Food is probably one of the common things that international students crave most from their home countries. The famous Pakistani traditional foods are full of marvelous and diverse dishes. The top food dishes are Chicken Karahi, Seeji & Dum Pukht, Kebabs/Naan, Biryani & Pulao, Nihari, Lassi (Yougurt Drink), Haleem and Hareesa, Halwa Puri, Samosas, Raita (Yogurt and vegetable salad), Dhal (Lenti Stew), Falooda, Delicious Keema, Chicken jalfezi, crunchy Pakoras, Chicken tikka and many more.



Best places to visit

Valleys of Kaghan, Swat, Kashmir, Gilgit, Hunza, Skardu, Chitral, Kalash, Phandar, Astore & Rama is said to be a places "Where Time Stops and Fairy Treads" and are the natural wonders of the world where poetic verses find their inspirations from the beauty and elegance of high peak mountains, lush green fields and the fragrant breeze singing across the poplar trees. Pakistan is a land of serene beauty, a country with diverse wild life, fresh water lakes. Some of the most unique species of birds are found in northern Pakistan with awe-inspiring natural wonders like Lake Saiful Maluk, and many more.



You are very welcome to explore and enjoy the spectacular and fascinating landscape of our beautiful country "Pakistan" which is well known for hospitality.

AMBASSADOR TALK

Inha University is an experience of a lifetime and is one of the highlights in creating my future. I was also given a great opportunity to be the student ambassador representing the Philippines in this university. Being a student ambassador, I was given the chance to work with amazing people from different countries with different culture and ideologies. I enjoyed working with my fellow ambassador's because every time I'm with them, creativity overflows and we all end up having intellectual conversation which always amazes me.



It is a pleasure meeting and working with these intelligent people. Student ambassadorship is not just a job given to us but actually a chance for us to build a community that can be of help to other fellow students. I will always appreciate the things that I have learned and will forever be grateful for this opportunity. To all my fellow ambassadors, I wish to see you and to work with you once again in the future. To all ambassadors who will be next in line, fighting!



Profile

Name: **Leonard Awal Guinguino**

Department: **Marine Science and Biological Engineering**

Degree: **Pharmacy/Biological Engineering**

Country of Origin: **Philippines**

Interest: **Research**



LEONARD GUINGUINO

Leo, what do you actually do as a student Ambassador?

Leo: As a student ambassador, we provide help and insights to topics ranging from scholarship application. We also assist students for their inquiries and registration of classes. Those are the few things that we do. That's why being an ambassador is like a leadership training which help you to boost your communication skills and provide a chance, how you interact with different people.

Do you have activities which may be interesting for international students?

Leo: Oh! Definitely we have! We have things such as country presentations and also school festival showing the different culture of every country. What we do is that we cook food or any delicacy from our own country and have it be displayed during the festival for free tasting. We also showcase the beauty of dance and music from different countries. These organized events allow the campus community to come together and know everybody.

What are the things that you enjoyed from being an ambassador?

Leo: As an Ambassador, students have the opportunity to engage in a variety of activities, events and offer their voice to important discussions. Ambassadors have the chance to promote Inha University to the world. We participate in annual programs such as school festivals and participate in public lecture about our own country.

What is next for you after being a student ambassador for Inha University?

Leo: For now, definitely everybody might be thinking that maybe I will just go get a job immediately after graduating. I am the type of person who tries to plan and at the same time go with the flow. That means I am still thinking of my future and my career but I also want to enjoy life. I like new things so I actually want to discover things that I haven't seen or things that I didn't try. It's interesting because I observed this to myself while working as a student ambassador. Ha ha ha... So maybe I'll try to get a job back to my country and travel or get a job somewhere else and start my new experience from there.



Dr. S.M. Riazul Islam (Bangladesh)

PhD (Information and Communication Engineering)

Dr. S.M. Riazul Islam is one of the most successful Bangladeshi graduate at Inha University. He received the Ph.D. degree with prestigious Dean's Award majoring Information and Communication Engineering in Feb. 2012. As a PhD student, he got full financial supports from Inha University (Jungseok Scholarship) as well as Korean Govt. (IITA scholarship) for the period from Mar. 2008 to Feb. 2012. Right after his graduation, he joined University of Dhaka and served the Dept. of Electrical and Electronic Engineering as an Assistant Professor. In March 2014, he switched his job to Samsung R&D Institute Bangladesh and worked as a Chief Engineer until Sep. 2014. Since then he has been working in Inha University as a Research Professor at UWB Wireless Communications Research Center. His research interests include, but not limited to Wireless Communications, Nano Communications, Internet of Things, and 5G Technology.

Dr. S.M. Riazul Islam shares his thoughts on career. He says, "Completion of Ph.D. from Inha and several years of teaching experiences have changed the way I look at teaching and research. While I have broadened my learning through the world-class courses there, I have also learned that teaching is not merely imparting knowledge, but it also means the interaction of minds, and the generation of new ideas. I do understand that knowledge extraction and distribution are not enough to improve the human civilization except developing new knowledge. This drives me to find out the new technology and I always do research activities as per scope and opportunity I get. I would say that, as a researcher, I am achieving the extensive research experiences, interest and achievements. I understand that Inha University is such an institute which cumulatively provides me a new working environment with new challenges, and new learning". He also expresses his gratitude not only to Inha University but also to Korea and its people.

by: Zuned Ahmed

INHA STUDENT AMBASSADORS (FALL 2015)



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We are happy to represent our country as Student Ambassadors. We therefore dedicate our efforts towards the promotion and development of INHA University.

Website: <http://gradeng.inha.ac.kr> <http://grad.inha.ac.kr>

NOTICE BOARD

Special Messages to Alumni

1. Send a message about your current job position and contact information to thekhan@inha.ac.kr as a member of Inha global alumni Network. The Graduate School will keep sending a newsletter or useful notices for alumni.
2. Send your message and your story to thekhan@inha.ac.kr. After selecting them we will upload them for the next issue.
3. If you need any certificates about your academic records at Inha University, you can use Internet Certificate Issuing System [http:// certpia.inha.ac.kr](http://certpia.inha.ac.kr) or apply for the postal service of certificate issuance. For details, visit [http:// gradeng .inha.ac.kr/campus/ campus_050401.aspx](http://gradeng.inha.ac.kr/campus/campus_050401.aspx)
4. Promote 2015KGSP and Jungseok International Scholarship Program about admission for spring semester of 2016 to many excellent international students in your country.

Ambassadors pick



Editors' desk

The sixth issue of INHA Global Messenger is inspired by the new generation with different but good combination design. It remains aiming to send messages to all new comers about activities of the graduate school. We would like to provide information to our fellow Inhaians and to encourage international students to consider INHA for their graduate studies. Through this publication we can be able to promote the experience of INHA International graduates that has been successful in their field of expertise.

Executive team

Singh Birendra Kumar (**India**)

Sathaphon Phoumarinno (**Laos**)

Myagmarkhuu Burte (**Mongolian**)

Chanapakorn Sawangjit (**Thai**)

Organized by: 2015– Spring Inha Student Ambassadors

Supported by: Graduate School, Inha University

