ITU TELECOM
WORLD 2003
Geneva
12-18 October

WORLD 2003 FORUM PROGRAMME OVERVIEW

ENVIRONMENTS IN TRANSITION

CUSTOMER FOCUS

Saturday 11 October	Sunday 12 October	Monday 13 October	Tuesday 14 October

Saturday 11 October

11.00-12.30
OPENING CEREMONY

Sunday 12 October

PL 1   Rooms A B C

10.00-12.30
FORUM OPENING
Helping the world communicate

Monday 13 October

SHOWCASE PRESENTATIONS   Geneva Arena

10.00-11.00
Microsoft

11.30-12.30
Wi-LAN / Tachyon

TDS 1   Room A

09.00-12.30
Integrating consumers into the regulatory process

PL 3   Rooms B C

09.00-10.30
Is market liberalization working?

PL 4   Rooms B C

11.00-12.30
Investment strategies

Tuesday 14 October

SHOWCASE PRESENTATIONS   Geneva Arena

11.30-12.30
Amdocs

TDS 2   Room A

09.00-12.30
ICTs for development: public Internet access

PL 5   Rooms B C

09.00-10.30
Satisfying the customer

PL 6   Rooms B C

11.00-12.30
Relevant technologies for the developing world

MORNING

WORLD 2003 FORUM PROGRAMME OVERVIEW

PARTNERSHIPS FOR THE FUTURE

Wednesday 15 October

SHOWCASE PRESENTATIONS — Geneva Arena

11.30-12.30
Tandberg

TDS 3 — Room A

09.00-12.30
Addressing the ICT skills shortage through e-learning

PL 7 — Rooms B C

09.00-10.30
New sources of revenue

PL 8 — Rooms B C

11.00-12.30
What business models work?

THREATS AND OPPORTUNITIES

Thursday 16 October

YF 5a (optional) — Room G

09.30-12.30
Pulling it all together: Developing your "business plan"

PL 11 — Room A

10.00-12.30
WORKSHOP on telemedicine

PL 9 — Rooms B C

09.00-10.30
At the cutting edge

PL 10 — Rooms B C

11.00-12.30
Building consumer confidence in ICTs: security and privacy

INFORMATION SOCIETY

Friday 17 October

PL 12 — Rooms A B C

09.30-12.00
SPECIAL SESSION
The World Summit on the Information Society

FORUM/TDS/YF — Rooms A B C

12.00-12.30
FORUM CLOSING

MORNING

SHOWCASE PRESENTATIONS — Geneva Arena

14.00-16.30
First Tuesday with CTI
Start-up & CCSO

POL 5 Room A	BUS 5 Room B	TECH 5 Room C
14.30-16.00 New local presence in the developing world	**14.30-16.00** Towards a new generation of mobile services	**14.30-16.00** Web services

YF 4 — Restaurant Le Cervin

14.30-16.00
Policy and regulation

16.00-17.30
Break-out session **Rooms E F G**

POL 6 Room A	BUS 6 Room B	TECH 6 Room C
16.30-18.00 Human capital development	**16.30-18.00** 3G vs. wireless LANs: Competition or collaboration?	**16.30-18.00** Voice over IP

POL 7 Room A	BUS 7 Room B	TECH 7 Room C
14.30-16.00 Learning from other industries	**14.30-16.00** New models for broadband content	**14.30-16.00** The changing face of broadcasting

YF 5b (optional) — Restaurant Le Cervin

14.30-17.30
Developing Youth input to the World Summit on the Information Society –Working Group session to draft Declaration

14.30-17.30
Working Group session to draft Declaration (YF Fellows only) **Rooms E F G**

POL 8 Room A	BUS 8 Room B	TECH 8 Room C
16.30-18.00 Building awareness and understanding to promote ICT use	**16.30-18.00** The business of broadband	**16.30-18.00** Open source

13.30-16.30
Workshop on Remedies for Telecom recovery
Room B

14.00-17.00
Workshop on Accessibility: Communication by all means
Room A

A F T E R N O O N

Correct as of 24 September 2003

PL Rooms ABC	POL Room A	BUS Room B	TECH Room C	TDS Room A	Workshop Rooms A B	YF Rooms EFG and Restaurant Le Cervin (By invitation only)
Plenary	Policy Domain	Business Domain	Technology Domain	Telecom Development Symposium		Youth Forum

YF 1	Room A
16.00-17.30	
Youth Forum Welcome and Briefing of Youth Fellows	

PL 2	Rooms A B C
14.30-17.00	
INDUSTRY ROUND TABLE	
Reconnect	

SHOWCASE PRESENTATIONS — Geneva Arena

14.00-15.00 NetCentrex	**17.00-18.00** Swisscom Mobile
15.30-16.30 Convergys	

POL 1 Room A	BUS 1 Room B	TECH 1 Room C
14.30-16.00 Regulating for the future	**14.30-16.00** Can technology deliver?	**14.30-16.00** Technologies for broadband

YF 2	Restaurant Le Cervin
14.30-16.00 Information and Communication Technologies as an enabler	
16.00-17.30 Break-out session **Rooms E F G**	

POL 2 Room A	BUS 2 Room B	TECH 2 Room C
16.30-18.00 Lessons from 3G licensing	**16.30-18.00** Enabling successful services and applications	**16.30-18.00** Ubiquitous communications

SHOWCASE PRESENTATIONS — Geneva Arena

13.00-14.00 Cisco
15.30-16.30 WSIS Information session

POL 3 Room A	BUS 3 Room B	TECH 3 Room C
14.30-16.00 Universal access: promoting digital opportunities for all	**14.30-16.00** Managing customer expectations	**14.30-16.00** The future of wireless

YF 3	Restaurant Le Cervin
14.30-16.00 Investment and finance	
16.00-17.30 Break-out session **Rooms E F G**	

POL 4 Room A	BUS 4 Room B	TECH 4 Room C
16.30-18.00 Opening up trade in telecoms	**16.30-18.00** Innovation through partnership	**16.30-18.00** Digital identifiers

Correct as of 24 September 2003

PL Rooms ABC	POL Room A	BUS Room B	TECH Room C	TDS Room A	Workshop Rooms A B	YF Rooms EFG and Restaurant Le Cervin (By invitation only)
Plenary	Policy Domain	Business Domain	Technology Domain	Telecom Development Symposium		Youth Forum

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Message from Yoshio UTSUMI, ITU Secretary-General

The Forum at ITU Tᴇʟᴇᴄᴏᴍ events is at the heart of the action, and the centre of the debate. It is where industry leaders, regulators and policy-makers debate the hot issues of the day and chart strategies for the future. Bringing together more than 300 leading speakers from over 60 countries, the Forum provides an unrivalled meeting place and a chance to review industry direction.

The opening day (12 October) brings together ministers and other senior officials on the theme "Helping the world communicate", followed by an industry round table on future strategies ("Reconnect"). Each morning, from 13 to 16 October, plenary sessions debate themes such as "What business models work?" or "Satisfying the customer". Each afternoon, the Forum divides into three domains to permit more detailed discussion of industry trends:

- **Technology** – examines key technologies, like Wi-Fi, broadband, VoIP and ubiquitous computing;
- **Business** – looks at the development of successful applications and services, and analyses future challenges, such as the development of new generations of mobile services and broadband content;
- **Policy and regulation** – provides an arena for debate over issues of high current policy interest, such as lessons from 3G licensing, promoting universal access and opening up trade in telecommunications.

Alongside the main Forum are three special events:

- **Showcase Presentations**, which provide companies an opportunity to demonstrate their products and services through presentations in the Geneva Arena;

- **Telecom Development Symposium**, which provides fellowships for senior officials from developing countries and LDCs to participate in the Forum;
- **Youth Forum**, which brings together young university students from every ITU Member State to debate the future of our industry and what it means for young people.

On the final day (17 October), a special session looks ahead to the World Summit on the Information Society. There are also workshops on accessibility and corporate recovery. By the end of the event, all participants should have a better understanding of the trends shaping our industry.

The Forum works best when it is interactive. For that reason, I would encourage all participants to come armed with questions and ideas to contribute to the debate.
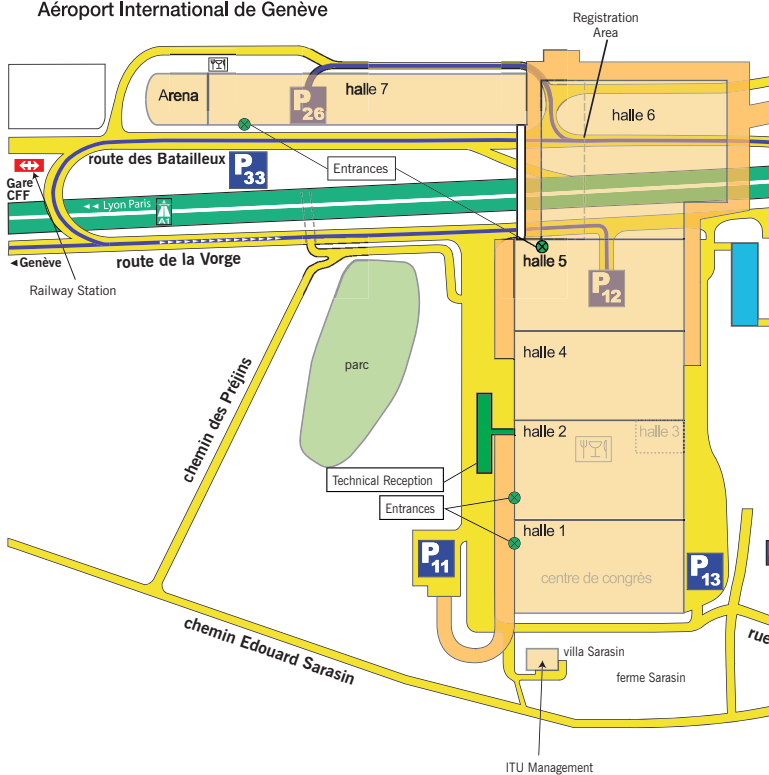

Yoshio Utsumi
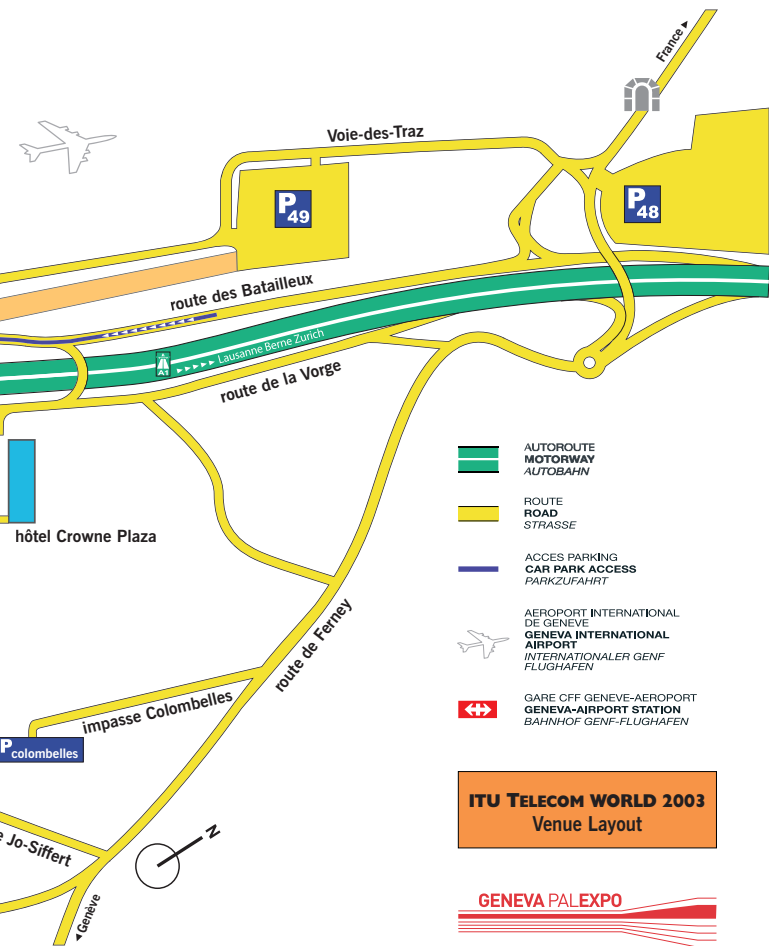**Secretary-General**
International Telecommunication Union

The Geneva Convention and Exhibition Centre

Aéroport International de Genève

Registration Area

Arena

halle 7

P26

halle 6

route des Batailleux

P33

Gare CFF

Lyon Paris

Entrances

Genève

route de la Vorge

halle 5

P12

Railway Station

chemin des Préjins

parc

halle 4

halle 2

halle 3

Technical Reception

Entrances

halle 1

P11

centre de congrès

P13

chemin Edouard Sarasin

villa Sarasin

ferme Sarasin

ITU Management

France ▶

Voie-des-Traz

P**49**

P**48**

route des Batailleux

Lausanne Berne Zurich
A1 ▶▶▶▶▶ route de la Vorge

hôtel Crowne Plaza

route de Ferney

impasse Colombelles

P colombelles

Jo-Siffert

▶Genève

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ITU TELECOM WORLD 2003
Venue Layout

GENEVA PAL**EXPO**

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Youth Forum Sponsors

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The World Bank through InfoDev and Development Gateway Foundation

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Forum Dinner Sponsor

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Forum opening: Helping the World Communicate

The principal mission of ITU, since it was founded in 1865, has been to help the peoples of the world to communicate. On the one hand, it means ensuring that communication tools are available to all the world's inhabitants and work well in different environments. On the other hand it means using information and communication to build a more peaceful, just and prosperous world. That dual role lies at the heart of the vision of the Information Society. The Forum opening is intended to set the scene for the following six days of high quality presentations and debate. In particular, the series of keynote presentations will provide the backdrop for the lively interaction that will follow in the afternoon and the rest of the week.

Chair

Dr A. Reza Jafari, Chairman and Chief Executive Officer, The Omega Partners (United States); ITU Telecom Board Member; Chairman, ITU Telecom World 2003 Forum Programme Committee

Keynote speaker(s)

Mr Yoshio Utsumi, Secretary-General, International Telecommunication Union (ITU)

Ms Carly Fiorina, Chairman & Chief Executive Officer, Hewlett-Packard Company (United States)

His Excellency Mr Xudong Wang, Minister of Information Industry, of the People's Republic of China, Ministry of Information Industry (China)

His Excellency Mr Miro Teixeira, Ministro, Ministério das Comunicações (Brazil)

Mr Erkki Liikanen, Member of the European Commission, European Commission (EU)

His Excellency Mr Adama Samassekou, President, Preparatory Committee of the World Summit on the Information Society (Mali)

Mr Conny Kullman, Chief Executive Officer, Intelsat Ltd (United States)

Mr José Maria Figueres, Senior Managing Director, World Economic Forum (Costa Rica)

14:30-17:00   **Session PL2**   **Rooms A B C**

Industry roundtable: Reconnect

In 1995, eight years ago, the theme of the Forum at TELECOM 95 was "Connect". During the rest of the 1990s, in a period of intense investment and ambitious expectations, our industry grew from strength to strength. By the time of TELECOM 99, the whole industry was riding on the crest of a wave. As we now know though, that boom couldn't last, and the past few years have been among the most difficult, with plummeting share values and the bursting of the bubble. But all need not be bleak: learning from, and building on, the hugely positive achievements of the past decade can only help us to move forward. Now, the Forum at TELECOM 03 provides us with the chance to "Reconnect"; to take stock and to plan for a more sustainable future. Is the industry now laying the foundations for a lasting recovery? How is the financial health of the industry being restored? How are corporate governance issues being addressed? What has been the impact on companies from developing country markets?

Chair

Professor Eli M. Noam, Professor, Finance & Economics and Director, Columbia Institute for Tele-Information, Columbia University Graduate School of Business (United States)

Keynote speaker(s)

Mr Nikesh Arora, Board Member of T-Mobile International AG & Co, KG, Marketing (Chief Marketing Officer), Mobile Data, T-Mobile International (Germany)

Mr Sean Maloney, Executive Vice President, GM Intel Communications Group, Intel Corporation (United States)

Dr Keiji Tachikawa, President & Chief Executive Officer, NTT DoCoMo, Inc. (Japan)

Mr Sizwe Nxasana, Chief Executive Officer, Telkom SA Ltd (South Africa)

09:00-10:30   **Session PL3**   **Rooms B C**

Is market liberalization working?

In the current market downturn, there is a tendency to point the finger and try to show who is to blame for the loss of investor confidence. Is it the fault of governments for rushing ahead with market liberalization and sale of spectrum? Is it the fault of managers for failing to understand market needs? Or are investors themselves at fault for the current overcapacity in the industry. What are the lessons to be learned from the downturn in the global telecoms industry and to what extent can they be applied in the developing world? What is the right balance between regulation and market forces? Which regulatory models have thrived, which have failed? What new flexibility is required in policy and regulatory environments? How does this affect the environment for investment? To what extent have consumers benefited from lower prices and innovative new services?

Moderator

Mr Anthony S.K. Wong, Commissioner of Innovation and Technology, Innovation & Technology Commission (Hong Kong, China)

Keynote speaker(s)

His Excellency Mr Stephen Timms, Minister of State for e-Commerce and Competitiveness, Departement of Trade and Industry (United Kingdom)

His Excellency Dr Lee Boon Yang, Minister, Ministry of Information, Communications and the Arts – MITA (Singapore)

Panellists

His Excellency Mr Kálmán Kovács, Minister of Informatics and Communications, Ministry of Informatics and Communications (Hungary)

Mr Dimitri Ypsilanti, Head, Telecommunications Policy Section, Organisation for Economic Co-operation and Development – OECD

Mr Anders Igel, President and Chief Executive Officer, TeliaSonera AB (Sweden)

Mr Patrick F. Masambu, Executive Director, Uganda Communication Commission (Uganda)

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Late liberalization in Central and East Europe: Romania – a case study!
Dr Nicolae Oaca, Counsellor for Strategy, HQ, RomTelecom (Romania)

11:00-12:30   **Session PL4**   **Rooms B C**

Investment Strategies

Telecommunications investment doubled in the late 1990s to reach a peak of over US$ 200 billion in 2000. But much of the new capacity is unused, and many dark fibre networks seem destined to remain unlit. It seems there was too little investment in access networks and too much in long-distance networks. Equally, too little of the investment was spent in developing countries, where demand for basic services remains high, while too much was spent in over-serving the developed world. How can the investment imbalance be corrected? And what are the emerging opportunities for profitable investment in the coming decade?

Moderator

Dr Bruno Lanvin, Program Manager, InfoDev, The World Bank (United States)

Keynote speaker(s)

His Excellency Mr Leonid Reiman, Minister, Ministry for Communications and Informatization (Russian Federation)

His Excellency Mr Daeje Chin, Minister, Ministry of Information and Communication (Rep. of Korea)

Mr Jay Naidoo, Chairman, Development Bank of Southern Africa – DBSA (South Africa)

Panellists

Mr Patrick Gallagher, Chief Executive Officer, FLAG Telecom (United Kingdom)

Mr Massimo Castelli, Marketing Director, Telecom Italia (Italy)

09:00-10:30　　　　　**Session PL5**　　　　　**Rooms B C**

Satisfying the customer

As information and communication technologies become increasingly important in all aspects of our lives, so too the number of different interested groups is growing. Shareholders, governments, regulators, users, civil society and employees are all demanding a say in the future of the industry. In such an environment, it is all too easy to neglect the most important voice of all: the customer. How can these different interests be balanced, while still delivering the new, innovative and reliable services that customers want and are willing to pay for? How do the best-run businesses today manage to keep their focus on the customer?

Moderator

Ms Ayesha Hassan, Senior Policy Manager, e-business, IT & Telecoms, International Chamber of Commerce (ICC)

Keynote speaker(s)

Mr John T. Chambers, Chief Executive Officer, Cisco Systems, Inc. (United States)

Mr Arun Sarin, Chief Executive Officer, Vodafone Group Services Ltd (United Kingdom)

Panellists

Mr Masanobu Suzuki, President and Chief Executive Officer, NTT Communications Corporation (Japan)

Mr Ewan Sutherland, Executive Director, INTUG

Mr Royston Hoggarth, Chief Executive Officer, UK, Cable & Wireless (United Kingdom)

11:00-12:30   **Session PL6**   **Rooms B C**

Relevant technologies for the developing world

The telecommunication technology in the developed world has undergone a time of renaissance when the expectations of the industry fuelled huge investments in R&D in various technologies. However, many of the technologies then developed were not commercialized because of a lack of financial feasibility, or simply because other technologies were first onto the market. Nevertheless, these technologies can still often provide cost-effective opportunities for getting more people connected in developing countries using a combination of wireless technologies, satellites, and – possibly – power line communications. The question to be asked here is, can these technologies be applied successfully in the developing world? This session will touch on those technologies, assess their strength and suitability for the conditions in developing countries, and may provide some examples of companies that are currently using these technologies to provide connectivity in these countries. The session will also look at efforts towards regional integration as a means of reaching the critical mass needed to make the technologies feasible, in order to provide means of communication in the developing world (such as Internet exchanges, satellite operators, etc.).

Moderator

Mr Stephen McClelland, Editorial Director, Horizon House Publications Europe, Inc. (United Kingdom)

Keynote speaker(s)

Mr Alvin R. Lezama Pereira, Director General, Gerencia de Gestión Internacional, Comisión Nacional de Telecomunicaciones – CONATEL (Venezuela)

Mr Tom Evslin, Chairman & Chief Executive Officer, ITXC (United States)

Panellists

Enhancing the socio-economic capabilities to create premise for ICT development in Vietnam:
His Excellency Dr Do Trung Ta, Minister, Ministry of Posts and Telematics (Viet Nam)

His Excellency Mr Mohammad Masoom Stanekzai, Minister, Ministry of Communications (Afghanistan)

Packet Telephony in Emerging Markets:
Dr Elon Ganor, Chief Executive Officer and Chairman of the Board, VocalTec Communications, Ltd (Israel)

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Bridging the Optical divide: Overcoming the Practical Challenges Facing Africa:
Mr Philip Engmann, Telecommunications Engineer, Network, Ghana Institute of Information Technology – GIIT (Ghana)

Rural access technologies – WLL or FGSM?:
Mr Jalal Benbrahim, Manager, Market Development, EMEA, SR Telecom (Canada)

Innovative solutions for developing countries:
Professor Madhukar Pitke, Vice-Chairman (Technology), AXES Technologies (India) Pvt Ltd (India)

09:00-10:30   Session PL7   Rooms B C

New sources of revenue

The surest way out of the malaise currently afflicting the ICT sector is through investment. But where should that investment be targeted? Will broadband provide the fillip the industry needs? Or is third-generation mobile the way forward? What about WiFi? Or does the answer lie in content? Everyone is searching for the killer application and the "next big thing", but there are few candidates to provide the same push in the current decade as 2G mobile and narrowband Internet provided in the 1990s. In this session, some "visionaries" from the worlds of research and development, manufacturing and academia provide some insights into the possible demand drivers of the future.

Moderator

Mr David Townsend, President, David N. Townsend Associates – DNTA (United States)

Keynote speaker(s)

Mr Ki-Tae Lee, President of Telecom Network Biz, Samsung Electronics, Co. Ltd (Rep. of Korea)

Mr Frank Dunn, President & Chief Executive Officer, Nortel Networks (Canada)

Panellists

Building a dependable information society based on broadband networks:
Mr Katsumasa Shinozuka, President and Chief Executive Officer, OKI Electric Industry Co. Ltd (Japan)

Ms Bridget Cosgrave, President, Belgacom Carrier & Wholesale (Belgium)

Mr David Nagel, President & Chief Executive Officer, PalmSource Inc. (United States)

Mr C. Brian Grimm, Marketing Director, Wi-Fi Alliance (United States)

11:00-12:30   Session PL8   Rooms B C

What business models work?

The telecommunication industry has been through a number of different stages on the way from monopoly service provision to competition. This session will focus on the various models that are currently being used for service provision, as well as various models for industry development; competition (licensing, unbundling, etc.), or cooperation (BOT, BOO, revenue-sharing, etc.) capturing the success stories and failures in various parts of the world, both in developed and in developing countries. The session will also examine the evolving value chain, and will touch on the roles of various players, as well as their opportunities and critical success factors.

Moderator

Dr Norman Lewis, Director of Technology Research, Wanadoo.com (United Kingdom)

Keynote speaker(s)

Mr Takeshi Natsuno, Managing Director, i-mode Strategy, NTT DoCoMo, Inc. (Japan)

Ms Colleen Arnold, General Manager, Global Communications Sector, IBM Corporation (United States)

Panellists

Mr Romain Bausch, President and CEO, SES Global (Luxembourg)

Mr Peter Barnes, President & CEO, Canadian Wireless Telecommunications Association (Canada)

Mr Christian Moeller, Region President, Europe, Sprint (United Kingdom)

09:00-10:30   **Session PL9**   **Rooms B C**

At the cutting edge

Although the ICT sector is currently in the doldrums, technology moves on apace and there are exciting new challenges on the horizon. Moore's Law has been driving the pace of change in the sector since the dawn of the microchip. But how much longer will that continue? Analogue networks have been replaced by digital ones, and circuit-switched networks are now being replaced by packet-switched ones. Narrowband ISPs are finding their business being lost to broadband service providers. 2G network operators are looking over their shoulders to see 3G technology arriving. It seems that no business is safe. This panel brings together some of the companies at the cutting edge of change, as well as those whose business it is to forecast the future. What will be the state of the industry by the time of the next WORLD TELECOM?

Moderator

Mr Richard C. Beaird, Senior Deputy U.S. Coordinator, Department of State, International Communications and Information Policy (CIP) (United States)

Keynote speaker(s)

Mr Masayoshi Son, President & Chief Executive Officer, Softbank Corporation (Japan)

Panellists

Mr Julian Hewett, Chief Analyst, Ovum (United Kingdom)

Mr Mark Tolliver, Executive Vice President, Strategy & Marketing, Chief Strategy Officer, Sun Microsystems, Inc. (United States)

A forward-looking policy framework for the broadband world:
Dr Michael Kende, Principal Consultant, Analysys Consulting (United States)
Co-author(s): Dr David Cleevely

Building consumer confidence in ICTs: Security and privacy

In recent years it seems that the good things that information and communication technologies bring to our lives rarely make the headlines. Instead, we read about electronic scams, hackers, invasion of privacy, health scares and endless junk mail. As we use information and communication technologies more and more as essential tools, at home and at work, we become more dependent on them. Is it possible to use technology to solve the problems of the information age? Or is technology itself the source of the problem?

Moderator

Professor Ahmad Reza Sharafat, Professor, Dept. of Electrical Engineering, Tarbiat-Modarres University (Islamic Rep. of Iran)

Keynote speaker(s)

Mr Akinobu Kanasugi, President, NEC Corporation (Japan)

Mr Anthony Parish, Director, Intellect (United Kingdom)

Panellists

Mr Ernest C.A. Ndukwe, Executive Vice-Chairman & Chief Executive Officer, Nigerian Communications Commission – NCC (Nigeria)

Renewable Security System for Content Delivery Service:
Dr Takafumi Ueno, Senior Staff Engineer, AVC Development Center, Matsushita Electric Industrial Co., Ltd (Japan) Co-author(s): Ms Shenmei Shen, Mr Ming Ji, Mr Zhongyang Huang, Mr Jing Liu, Mr Takanori Senoh

Mr Alex Mandl, President & Chief Executive Officer, Gemplus SA (France)

10:00-12:30   Session PL11   Room A

Workshop on telemedicine

Information and Communication Technologies (ICT) are not ends in themselves, but rather are tools that can help to build a more peaceful, just, prosperous and healthy world. Two of the key ICT applications are in education (see session TDS.3) and in health, which is the subject of this special session. Access to health-care information and services is a basic right. ICTs should be incorporated on a mass scale in the field of health care with a view to improving resource use, patient satisfaction, personalized care, and the coordination of public health-care systems, private institutions and the academic sector. One major e-health priority is the prevention, treatment, monitoring and control of the spread of dangerous and contagious diseases – specifically HIV/AIDS, tuberculosis and malaria – in particular, through the creation of common information systeMs This session presents case studies of the use of recent programmes and technical breakthroughs in this field.

Moderator

Dr Timothy Evans, Assistant Director-General, Evidence & Information for Policy, World Health Organization (WHO)

Case Study Presenter(s)

Internet telemedicine in mobile networks:
Mr Masayuki Hashimoto, Research Engineer, Visual Communications Laboratory, KDDI R&D Laboratories Inc. (Japan) Co-author(s): Mr Kenji Matsuo, Mr Atsushi Koike

The MobiHealth Project – Wireless Body Area Network (BAN) – Business Opportunity & Trouble Solver for Healthcare?
Mr Rainer Herzog, Co-ordinator, MobiHealth (EU)

Critical success factors for telemedicine implementation in Sub-Saharan Africa: A qualitative overview of country cases:
Dr Victor W. Mbarika, Asst. Professor, Information Systems and Decision Sciences, Louisiana State University (Cameroon) Co-author(s): Mr Chitu Okoli

How can we manage telemedical operation via PSTN: East Bhutan Telemedicine Project:
Dr Isao Nakajima, Associate Professor, Institute of Medical Sciences, Tokai University (Japan)

Mr Michel Ducloux, Président, Conseil National de l'Ordre des Médecins (France)

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e-Health in Latin America and the Caribbean: Development and policy issues:
Dr Roberto J. Rodrigues, Regional Advisor, Health Services Information Technology, Essential Drugs and Technology Program, Div Health Systems & Services Development, Pan American Health Organization/World Health Organization (WHO)

09:30-12:00   **Session PL12**   **Rooms A B C**

Special session: The World Summit on the Information Society

The Geneva phase of the World Summit on the Information Society (WSIS) is due to start less than two months after the close of ITU TELECOM WORLD 2003. The faces may be different but many of the same issues will be debated in Palexpo: How to tackle the digital divide? How to build a secure foundation for the information society? How to use information and communication technologies to help achieve the UN Millennium Development Goals and to achieve sustainable development? This special session of ITU TELECOM WORLD 2003 is intended to pass the baton to WSIS. This session brings together representatives from governments, inter-governmental organizations, civil society and the private sector to open the debate on the likely outcomes for the first phase of WSIS.

Chair

Mr Yuri Grin, Director-General, Department for International Cooperation, Ministry for Communications and Informatization of the Russian Federation (Russian Federation)

Speaker(s)

Mr Marc Furrer, Director General of Swiss Federal Office of Communication, State Secretary for WSIS, Office fédéral de la communication – OFCOM (Switzerland)

His Excellency Mr Sadok Rabah, Ministre, Ministère des Technologies de la Communication et des Transports (Tunisia)

Mr Shashi Tharoor, Under Secretary-General for Communications and Public Information, Department of Public Information – DPI (UN)

Mr Roberto Blois, Deputy Secretary-General, International Telecommunication Union (ITU)

Ms Maria Livanos Cattaui, Secretary-General, International Chamber of Commerce (ICC)

Dr Sam G. Pitroda, Chairman, WORLDTEL (India)

Representative from civil society

12:00-12:30   **Rooms A B C**

Forum Closing

The final session of the Forum for ITU TELECOM WORLD 2003 will bring together the main Forum with the Telecom Development Symposium and the Youth Forum (YF) for a combined closing session. There wil be reports on the outcomes of the TDS and YF as well as a chance to look ahead to the first phase of the World Summit on the Information Society, and to future TELECOM events.

Speakers:

Mr Roberto Blois, Deputy Secretary-General, International Telecommunication Union (ITU)

TDS Fellow

Youth Forum Fellow

Dr Tim Kelly, Head, Forum Division (ITU TELECOM)

Regulating for the future

In the past, the telecommunications, broadcasting, content and computer industries were either governed by different sets of laws and regulations – or, depending on the sector, were not regulated at all. Now that service providers can offer voice services as well as multimedia content, how are regulators responding? What kind of new regulatory framework should be adopted? Does it make sense for regulatory bodies to maintain strict industry divisions, or should the organization of regulatory authorities themselves change? What is the relationship between ICT-specific regulation and competition law? What does significant market power mean in the context of the current phase of sector consolidation? Increasingly, policy-makers are being encouraged to take a technologically neutral approach to regulation. But does technological neutrality have any limits? How does asymmetric regulation apply in practice? What new licensing policies should be adopted? How will 2G and 3G networks interconnect? Will tariffs continue to be based on minutes, or shift to capacity-based charges? What impact does the substitution of mobile for fixed-line services have on regulatory practices? At the same time that convergence is gaining ground, the market is in a tailspin. How can regulatory reform help the telecommunication sector recover through the promotion of innovation and competition? Will spectrum trading provide the stimulus the sector needs? What role should consumers play in the regulatory process? How do regulators balance the competing needs of operators, consumers and government?

Moderator

Mr Robert Bruce, Partner, Debevoise & Plimpton (United States)

Keynote speaker(s)

His Excellency Dato Amar Leo Moggie, Minister, Ministry of Energy, Communications and Multimedia (Malaysia)

Lord David Currie of Marylebone, Chairman, OFCOM (United Kingdom)

Mr Paul Champsaur, President, ART (France)

Panellists

Mr Manuel Avendaño, Director EU & International Regulatory Affairs, Telefónica S.A. (Belgium)

Mr Jens C. Arnbak, Chairman, Independent Post and Telecommunication Authority – OPTA (Netherlands)

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Cost based interconnection charges as a way to induce competition:
Dr Morten Falch, Associate Professor, Center for Tele-Information, Technical University of Denmark

Legal and policy implications of convergence at the international level:
Professor Pierre Larouche, Professor of Competition Law, Faculty of Law, Tilburg University (Netherlands)

Network sharing or not?
Mr Arno Wirzenius, Consultant, Teleplanning A. Wirzenius Ltd (Finland)

A single European telecoms market – Are regulatory regimes appropriate to support the new environment?:
Mr Peter Curnow-Ford, CEO, Viatec Associates Ltd (United Kingdom)

Revival through reform:
Mr Jason Cawley, Director, Regulatory Affairs, Inquam (United Kingdom)

Technological Convergence: a Regulatory Approach:
Mr Sergio Luis Franklin Junior, Advisor to the President, ANATEL (Brazil)

16:30-18:00   Session POL2   Room A

Lessons from 3G licensing

At the height of the dot.com bubble, operators paid in excess of $ 100 billion for European 3G-licences. Like a bad hangover, many have now questioned the wisdom of the 3G-auction blow-out. Fingers have been pointed in all directions: from the CEOs who agreed to pay billions, to the investors who let them and to the governments that failed to stop the auctions from getting out of hand. What lessons can be drawn from this experience both to guide those who have not yet licensed 3G services, and to deal with the aftermath? Are auctions inherently flawed, or can they be re-tooled? Are beauty contests any better? Should governments bail out the companies that paid huge licence fees or let them suffer the consequences? Is cost sharing or spectrum trading the answer? What impact will the high licence fees have on end-users' tariffs and innovative service offerings? Do operators have any money left for network deployment? Should roaming be included as a licence condition, or left to commercial negotiation? What impact will unlicensed technologies like WiFi have on 3G? Should policy-makers keep licence fees low for all new ICT services for which the business case has not yet been made-or is the value of a licence better determined by the private sector in an auction?

Moderator

Mrs Judith D. O'Neill, Chairman, Telecoms Dept, N.Y. Office, Greenberg Traurig LLP (United States)

Keynote speaker(s)

Mr Craig E. Ehrlich, Chairman of the Board of Directors, GSM Association HQ (Ireland)

Panellists

Ms Nuraizah Abdul Hamid, Chairman, Malaysian Communications and Multimedia Commission (Malaysia)

Lessons from 3G licensing as seen from a regulator's point of view:
Mr Matthias Kurth, President, Regulatory Authority for Telecommunications and Posts (Germany)

Mr Bosco Eduardo Fernandes, Vice President, UMTS Forum (UMTS)

Professor Christian Bovet, Professor, University of Geneva (Switzerland)

14:30-16:00   Session POL3   Room A

Universal access: Promoting digital opportunities for all

Policy-makers have been debating universal access for decades, searching for the Maitland Commission's "missing link". As the debate raged, the explosion of mobile cellular services in developing countries worldwide shrank the narrowband divide. At the same time, a new broadband fissure erupted. Is there a way to replicate the narrowband success, and close the broadband divide? Today, the combined forces of competition policy, incentive regulation and innovative new technologies promise, for the first time, to promote digital opportunities for all. What are the latest trends in achieving universal access to ICTs? Who should pay for universal access? Is universal access an obligation or an opportunity? How can policy-makers attract initial investment for un-served areas and identify sustainable business models? What is the role of universal access funds? What have we learned about public access to ICTs? What new technologies are being used to reap results? How can regulators, entrepreneurs and engineers work together to achieve low-cost solutions for rural and urban access?

Moderator
Professor Heather E. Hudson, Professor, Telecommunications Management and Policy Program, School of Business, Business and Management, University of San Francisco (United States)

Keynote speaker(s)

Mr Andile Ngcaba, Director-General, Department of Communications (South Africa)

Panellists

Mr Andrew Dymond, Managing Director, Intelecon Research & Consultancy Ltd (Canada)
Co-author(s): Ms Sonja Oestmann

Mr Mactar Seck, Ancien Directeur général, ART (Senegal)

Mr Antonio Carlos Valente da Silva, President, Regulatel (Brazil)

Dr Franc Dolenc, Director of Business Unit, Iskratel (Slovenia)

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Telecommunication reforms to accelerate universal access in South Asian developing countries:
Mr Narinder Chhibber, Secretary General, PTC India Foundation (India)

The Potential of Wireless Broadband Technologies in the developing world:
Ms Maureen Govern, Chief Technology Officer, Convergys (United States)

Promoting access in times of turbulence: Fresh approaches for developing countries:
Mr Leong Kien Lam, Manager, Regulatory Department, Maxis Communications Berhad (Malaysia)

Alternative models for Internet access. The Brazilian experience to fight the digital divide:
Mr Luiz Antonio Senna Catarcione, Electrical Engineer, MSc., International Affairs Department, ANATEL (Brazil)

16:30-18:00   Session POL4   Room A

Opening up trade in telecoms

In 1997, the WTO basic telecommunication agreement covered an estimated 90 per cent of the global telecommunication market. What is the state of play in opening up trade in telecom services today? Is there anything left to negotiate-or have market dynamics so changed that a whole new set of players is mounting pressure to push the market access envelope further still? What impact does the market downturn in developed countries have on trade talks today? Will strong regional telecom operators from developing countries do more to push for foreign investment rights than their northern counterparts? Are any new major markets likely to join the global telecom trade agreement? Which countries will be pressured to improve their current commitments? Will national regulatory authorities try to use the WTO Reference Paper on Regulatory Principles to lock in domestic reforms? What impact will dispute settlement in the telecom arena have on the negotiations? What impact is convergence having on trade in telecom services? Do the same market categories agreed in 1997 make sense today? Has convergence created pressure for greater labour mobility? What role do other organizations play in trade issues related to intellectual property rights, online privacy protection and e-commerce? What regional and inter-regional trade agreements have been reached or are being negotiated?

Moderator

His Excellency Ambassador K.G. Anthony Hill, The Reflexion Group (Jamaica)

Keynote speaker(s)

The Honourable Mr John Tsang, Secretary for Commerce, Industry and Technology, Commerce, Industry and Technology Bureau, The Government of the Hong Kong Special Administrative Region (Hong Kong, China)

Panellists

His Excellency Ambassador David A. Gross, U.S. Coordinator, Department of State, International Communications and Information Policy (CIP) (United States)

Mr Philippe Chauve, EU Negotiator on telecom services and e-commerce, European Commission (EU)

Mr Jose Felix Poblano Chavez, Director General, Negociaciones de Servicios, Secretaría de Economía (Mexico)

14:30-16:00　　　　　**Session POL5**　　　　　**Room A**

New local presence in the developing world

A host of new local operators and service providers have started to make their presence felt throughout the developing world. During the initial phases of market liberalization "new entrants" were often northern players expanding into green field southern markets. Today, it seems the king really is wearing new clothes. Some new local operators have even developed a regional presence, including Pan-African mobile operators and IXPs. Who are these new market players, and how are they are gaining ground? How are they harnessing the benefits of new technologies? Are developing countries experiencing success with home grown equipment? A host of new public sector partnerships and initiatives have also mushroomed across the South. Are regional regulatory initiatives designed to create harmonized markets bearing fruit? What further steps need to be taken?

Moderator

Mr Hans Jürgen Tscheulin, Managing Partner, Consulting Unit, Detecon International GmbH (Germany)

Keynote speaker(s)

His Excellency Mr Awais Ahmad Khan Leghari, Minister, Ministry of Information Technology and Telecommunications (Pakistan)

Panellists

His Excellency Mr Landing Savane, Ministre de l'Industrie et de l'Artisanat, Ministère de l'Industrie et de l'Artisanat (Senegal)

Mr Karl Xhanti Socikwa, Chief Executive Officer, Transtel (South Africa)

Mr Ayisi Makatiani, Co-Founder and Chairman, Africa Online and UUNET Africa (Kenya)

Mr Brijendra K. Syngal, Vice Chairman, BPL Innovision Business Group (India)

The Free Internet Initiative – An Egyptian Attempt to Bridge the Internet Access Gap:
Mr Mohamed El Nawawy, Chairman & Managing Director, TE Data, SAE (Egypt)

Bringing broadband wireless to rural communities through public-private partnership:
Mr Keith Donahue, Senior Manager, Marketing, Harris Corporation (Canada)

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New solutions for the rural telecommunication development:
Mr Andrey Koucheryavy, First Deputy Director, LONIIS (Russian Federation)
Co-author(s): Mr Leonid Gilchenok, Mr Vladislav Piattaev

The need for close co-operation between governments, international organizations and NGOs to achieve progress towards the introduction of and development of the information and communications industry in developing countries:
Mrs Sofie Maddens Toscano, Lic. Jur., Partner, Telexper (Portugal)

Human capital development

Human capital is the engine that drives the success of any organization, be it in the private or public sector. Recruiting, training and retaining personnel is a major challenge, especially when markets are undergoing change as rapidly as they are in the ICT sector; and the problem is even more acute in developing countries. How can companies and regulators in developing markets acquire the new skills needed to meet transitional and competitive market challenges? How can governments and industry in developing countries reverse the "brain drain"? How can countries promote ICT literacy, teleworking, e-learning and technological research? Are new laws and regulations needed to protect workers and employers in an electronic working environment? What promising practices have been identified to promote indigenous industry, particularly small and medium-sized businesses? What success stories have been seen in developing human capital, including women, the disabled, and others under-represented in the work force? How is ITU helping to build capacity in developing countries? What can be done to promote university-industry cooperation?

Moderator

Mr Hamadoun I. Touré, Director, Telecommunication Development Bureau (BDT), International Telecommunication Union (ITU)

Keynote speaker(s)

Dr Cheick Modibo Diarra, Former Chief Executive Officer, African Virtual University (Kenya)

Panellists

His Excellency Diosdado Cabello Rondón, Ministro, Ministerio de Infraestructura (Venezuela)

The Key Resource of a Liberalised Environment:
Professor David P. Mellor, President, Cable & Wireless Virtual Academy (United Kingdom)

Professor Toshio Obi, Professor, ITU-Waseda, Global Information and Telecommunication Institute (GITI) (Japan)

Mr Henoch D. Aguiar, Partner, Head Office, Aguiar & Marsiglia Law Firm (Argentina)

14:30-16:00   **Session POL7**   **Room A**

Learning from other industries

The telecommunication sector isn't limited to telecommunication companies alone. Today, business sectors ranging from record companies and entertainment industries to airlines have a hand in the telecommunication world. What lessons can these new market entrants teach the old telecom players? What are some of the more interesting case studies? What are the implications for the future of the sector? How have these companies nurtured subscriber bases? How have they used brand awareness over distinctive products? Will this model continue in the future?

Chair

Dr Peter André Stern, Special Advisor, Regulatory Policy, Telesystem International Wireless, Inc. – TIW (Canada)

Keynote speaker(s)

Mr Peter Buecking, President, SITA (Switzerland)

Case Study Presenter(s)

Mr Antonio Elias Lopez Pantoja, Head, Marketing and Strategy Unit, R.E.N.F.E., Spanish National Railway Company (Spain)

Mr Thorleifur Finnsson, Director of Development and New Products, Reykjavik Energy (Iceland)

Overcoming "Converginitis" – Lessons from the Entertainment Industry for Accelerating Mobile Opportunities Today:
Dr Rann Smorodinsky, MEF Chairperson, Co-founder and Adviser to the Management, Cash-U, Mobile Entertainment Forum (United Kingdom)

Mr Timothy G. Jury, Chief Market Development Officer, Accenture (United States)

16:30-18:00   **Session POL8**   **Room A**

Building awareness and understanding to promote ICT use

How can governments and the private sector raise awareness and understanding to promote ICT use across all segments of society, to include young and old, rich and poor, men and women alike? How can the private sector harness the public's love for popular ICTs like e-mail, SMS and MMS into a broader interest in a full range of ICTs? What steps are policy-makers taking to develop local content and community awareness? How are entrepreneurs plugging into the needs of consumers and small, medium and micro enterprises? How can ICTs be incorporated into daily life? How are governments using ICTs to facilitate access to information services by their citizens? What role should the education system play in raising awareness and in using ICTs inside and out of the classroom? What role are digital libraries playing? What services are striking a chord with those who can't read? How are ICTs affecting the provision of public health services? What more can be done?

Moderator

Mr José Pileggi Veliz, Former President, Consejo Nacional de Telecomunicaciones – CONATEL (Ecuador)

Keynote speaker(s)

ICT use promotion: the Swiss case:
Mr Robert Hensler, Chancelier d'Etat, Chancellerie d'Etat de la République et Canton de Genève (Switzerland)

His Excellency Mr Rik Daems, Ministre, Ministère des Télécommunications, des Entreprises et Participations publiques (Belgium)

Panellists

Mr Orlando Jorge Mera, Presidente del Consejo Directivo, Instituto Dominicano de las Telecomunicaciones – INDOTEL (Dominican Rep.)

Mr Pierre St-Arnaud, President and Chief Executive Officer, SR Telecom Inc. (Canada)

Commercial Internet Connectivity in every village – Towards Rural Prosperity:
Dr Ashok Jhunjhunwala, Professor, Electrical Engineering Department, Indian Institute of Technology (India)

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Un enfoque innovador para diminuir la brecha digital enlos países en desarrollo:
Mr Juan Ángel Santoiani, Director Técnico, Cooperativa Telefónica Pinamar Ltda (Argentina)

Promoting ICTs thru MCI (Community Internet Center) or Warnet:
Mr Rudy Rusdiah, Chairman, Warnets Association APWKomitel (Indonesia)

3G FOMA or HEO? Which service is most cost-effective for ambulances requiring a high-speed data communications system? Study for the construction of a nationwide risk management systems:
Dr Isao Nakajima, Associate Professor, Institute of Medical Sciences, Tokai University (Japan)

14:30-16:00 Session BUS1 **Room B**

Can technology deliver?

This session examines the status and potential of key enabling transport technologies-considered to be instrumental in the deployment of existing services and the development of new applications. Examples of technologies to be discussed include mobile networking solutions, Wi-Fi, mesh networks and IPv6. Panellists will discuss the current status of these technologies, the prospects for network expansion, and the barriers to be removed to achieve global deployment. The key question to be explored is the extent to which these technologies are likely to trigger the emergence of new services and applications for which viable business models can be elaborated.

Moderator

Dr Tarek Mohamed Kamel, Senior Adviser to the Minister, Ministry of Communications and Information Technology (Egypt)

Keynote speaker(s)

His Excellency Carlos López Blanco, Secretario de Estado de Telecomunicaciones y para la Sociedad de la Información, Ministerio de Ciencia y Tecnología (Spain)

Ms Patricia F. Russo, Chairman & Chief Executive Officer, Lucent Technologies Inc. (United States)

His Excellency Dr Ahmed Mahmoud Nazif, Minister, Ministry of Communications and Information Technology (Egypt)

Mr Donald J. Rippert, Chief Technology Officer, Accenture (United States)

16:30-18:00   Session BUS2   Room B

Enabling successful services and applications

A good understanding of customer requirements needs to be combined with the provision of timely, innovative and culturally relevant services and applications. Moreover, the never-ending search for the "killer application" must begin with the provision of a killer platform. Such a platform can only exist in an environment in which customers can dynamically select and de-select product and service options according to their specific requirements. And this needs to be combined with the use of effective, integrated and transparent billing models for the seamless delivery of customized services. Good examples of flexible provisioning can be found in the gaming and location-based service sectors.

Moderator

Professor Rob Frieden, Professor, College of Communications, Pennsylvania State University (United States)

Keynote speaker(s)

Mr Andy Green, BT Executive Board Member and CEO, BT Global Services (United Kingdom)

Panellists

Mr Barry Glick, CEO, Webraska (France)

PAS: Personal Access System, A Success Story
Mr Taher Behbehani, Vice President of Business Development and Strategy, UTStarcom, Inc. (United States)

Dr Jae Hyun Chung, Vice President and Chief Technology Officer, Telecommunication Industry Division, SK C&C (Rep. of Korea)

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The mobile game market:
Mr Gilles Raymond, Chief Executive Officer, In-Fusio (France)
Co-author(s): Mr Giles Corbett, Mr Marc Lefour

A memory card secured by smart card technologies:
Mr Yoshiaki Nakanishi, Engineer, Multimedia System Research
Laboratory, Matsushita Electric Industrial Co., Ltd (Japan)
Co-author(s): Mr Kazuo Okamura, Mr Yoshihiko Takagi, Mr Kazuo
Sakushima

Learning from history: Packaging and pricing next-generation
telecom services:
Mr Brough Turner, Senior Vice President and Chief Technology
Officer, NMS Communications (United States)

14:30-16:00   **Session BUS3**   **Room B**

Managing customer expectations

In a market characterized by rapid innovations, declining margins and increasingly technologically savvy customers, it is essential for business enterprises to understand and sustain the customer relationship. This session examines the user-producer relationship, from initial customer acquisition, understanding user needs and price sensitivities, to strategies for targeted marketing, and brand development. The goal is to provide services that the customer wants and is willing to pay for, while maximizing return on investment. In particular, understanding the young user is vital to sustainable growth, as the youth market of today is the business market of tomorrow.

Moderator

Mr Alex Leslie, Executive Director, Global Billing Association (United Kingdom)

Keynote speaker(s)

Mr Haruo Murakami, Chairman, Information Communication Laboratories, Strategy Supplier Unit, Japan Telecom Co. Ltd (Japan)

Mr Solomon Trujillo, Chief Executive Officer, Executive Board, Orange (United Kingdom)

Mr Richard Brandon, Director of Strategic Marketing, Juniper Networks (United Kingdom)

Panellists

Mr David Werezak, Vice President Enterprise Business RIM, Research in Motion (United Kingdom)

Mr Bruce Gibson, Director, Market Development, Cerillion Technologies Ltd (United Kingdom)

Mr Chris Lewis, Vice President, Research & Consulting, The Yankee Group (United Kingdom)

16:30-18:00   **Session BUS4**   **Room B**

Innovation through partnership

Technological innovation is key to business development. However, in order to gain market share and ensure return on investment, innovations need to make way for marketable products. In this context, the blurring of boundaries between competing market positions presents significant opportunities for cooperation. In fact, inter-firm collaboration is becoming increasingly crucial in the new digital economy, an economy in which no one player can satisfy all elements of an evolving value chain. Thus, the importance of industry alliances and consolidation must be carefully considered, in the context of maintaining a sustainable corporate strategy and fuelling technological innovation.

Moderator

Mr Stewart Dale White, Group Public Policy Director, Vodafone Group Services Ltd (United Kingdom)

Keynote speaker(s)

Dr Miguel Horta e Costa, Chief Executive Officer and Executive President, Portugal Telecom (Portugal)

Panellists

Mr Alan Black, Senior Vice President and Managing Director, Emea, Openwave Systems (United States)

Mr Haggai Barel, Chief Executive Officer, Orca Interactive Ltd (Israel)

Mr Kazuo Furukawa, Vice President and Executive Officer, President & Chief Executive Officer, Information & Telecommunication systems, Hitachi Ltd (Japan)

Mr David Williams, Chief Technology Officer, O_2 (United Kingdom)

14:30-16:00   **Session BUS5**   **Room B**

Towards a new generation
of mobile services

In 2002, the number of mobile subscribers worldwide overtook the number of fixed subscribers. This phenomenon has taken place across geographic, socio-demographic and economic boundaries. In a predominantly unwired world, operators and providers are being forced to re-evaluate their strategies for service deployment. Given that many mobile markets are reaching saturation, the development of new applications and the introduction of flexible pricing models are important elements in ensuring return on investment. In this context, what will the future mobile landscape look like? Are we moving swiftly towards a ubiquitous networking model? And what does this mean for the traditional carrier?

Moderator

Dr Chris Doyle, Associate Fellow, Department of Economics, and Centre for Management under Regulation, University of Warwick (United Kingdom)

Keynote speaker(s)

Mr Neil Montefiore, Chief Executive Officer, MobileOne Ltd (Singapore)

Mr Vincenzo Novari, Chief Executive Officer, 3 Italy (Italy)

Panellists

Mr David Levin, Chief Executive Officer, Symbian Ltd (United Kingdom)

Mr Pascal Debon, President, Wireless Networks, Nortel Networks (United States)

Mr Peter Blackmore, Executive Vice President, Enterprise System Group, Hewlett-Packard Company (United States)

Mr David Hagan, President, Boingo Wireless, Inc. (United States)

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Driving mobile revenue with J2ME applications:
Mr Tony Davis, Founder and CEO, Tira Wireless (Canada)

3G vs. wireless LANs: Competition or collaboration?

The success of wireless LANs took most of the world by surprise. Despite the global industry downturn, users are adopting wireless networking equipment at a considerable rate. On the other hand, 3G technologies have been slower to gain momentum, due to delays in deployment, handset glitches and high costs. As wireless networking becomes more commonplace in public areas, businesses and households, does 3G become less relevant? Or do 3G and WLAN services address different needs? Are they competitive or complementary? And to what extent should service providers make network and handset integration a central element of their business plans?

Moderator

Dr Alan Carr, PA Consulting Group (United Kingdom)

Keynote speaker(s)

Mr Tadashi Onodera, President, KDDI Corporation (Japan)

Dr Irwin Mark Jacobs, Chairman of the Board and Chief Executive Officer, Qualcomm Incorporated (United States)

Panellists

Dr João Augusto Schwarz da Silva, Head, Communications and Network Technologies, European Commission – DG – INFSO (EU)

Mr Stephen Mallinson, Chief Executive Officer, ip.access Ltd (United Kingdom)

SK Telecom's View on Public WLAN
Mr Jae W. Byun, Vice President, SK Telecom (Rep. of Korea)

Mr Jean-Pierre Bienaimé, Chairman, UMTS Forum (United Kingdom)

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Establishment of a profitable UMTS business:
**Mr Reza Tadayoni, Assistant Professor, Center for Tele-Information
(CTI), Technical University of Denmark (Denmark)**

*From the public switched telephony network (PSTN) to the
public IP multimedia network (PIMN):*
**Mr Michael Tadault, Mobile Internet Product Director, Mobile
Networks Division, Alcatel (France)**
Co-author(s): Mr Alain VIGIER

14:30-16:00   **Session BUS7**   **Room B**

New models for broadband content

In today's converging technological environment, the traditional value chain is giving way to a non-linear and multi-service one. The growth of online content has led to structural changes in media and telecommunication companies around the world. It has created a number of new roles and forced established players to chart unfamiliar territory. Many argue that without content, the business case for broadband networks is limited. Others believe that facilitating the distribution of existing content over broadband is the central issue, through effective and equitable digital rights management. What are the new models under consideration for content creation and digital distribution? Are the media and content industries developing a new "broadband" vision?

Moderator

Mr Yves Gassot, Directeur général, IDATE (France)

Keynote speaker(s)

Mr John Gage, Chief Researcher, Director of the Science Office, Sun Microsystems Inc. (United States)

Panellists

Mr Ralph Simon, Chairman, Mobile Entertainment Forum – Americas (United States)

Mr John Dada, The Global Knowledge Partnership Secretariat (Malaysia)

Mr Sudhir Ispahani, Chief Technology Officer, United Pan-Europe Communications N.V. – UPC (Netherlands)

Mr Andreas Kindt, Chief Technology Officer, T-Online International AG (Germany)

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Anywhere, anytime, anything at last! How telecoms providers can monetize the growth of enterprise digital applications: **Mr Peter Garand, Vice President & General Manager, Unisys Canada Inc. (Canada)**

The business of broadband

Much energy has been invested in the deployment of broadband networks around the world. Optical fibre is being laid in the ground and higher-speed Internet connections such as xDSL are on offer by a growing number of operators. The enthusiasm for broadband, however, is being dampened by low user take-up in many areas. One of the key questions is how to increase broadband penetration, for instance through initiatives to foster local content development and targeted service promotion. How can service providers and operators effectively work towards exploiting the full potential of high-speed connectivity for homes and businesses, when factors fuelling market demand remain unclear?

Moderator

Dr David Cleevely, Founder and Managing Director, Analysys (United Kingdom)

Keynote speaker(s)

Dr Yuji Inoue, Senior Vice President & Director of R&D strategy, NTT Corporation (Japan)

Panellists

Mr Dermot J.A. O'Carroll, Senior Vice President, Network Engineering & Operations, Rogers Cable Inc. (Canada)

Dr Sam Paltridge, Internet Policy Analyst, OECD

Mr Jesús Leon, Senior Vice President & Chief Development Officer, Ciena Corporation (United States)

Examing the broadband digital divide:
Ms Catherine Forster Connolly, President, Pyramid Research (United States)

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Delivering broadband services over the last mile in the developing world:
Mr Benny Glazer, V.P. Sales, ALVARION Ltd. (Israel)

Local loop unbundling and access growth in developing countries:
Dr Federico Kuhlmann, Director of Telematics Engineering, Instituto Tecnológico Autónomo de México (Mexico)

Technologies for broadband

Broadband access allows the delivery of an entirely new breed of multimedia services and communications-oriented applications. Speedy connections coupled with always-on access will improve the business and consumer multimedia experience and redefine the types of business models viable in the interactive marketplace. The demand for residential and business broadband access has resulted in a variety of technological approaches. These include cable modems over CATV networks, DSL using the PSTN network, optical fibre networks, and wireless broadband solutions. Each of these technologies has different characteristics, making each optimal under a different set of conditions. Both investors and policy-makers want to know which technology best supports the future mix of advanced multimedia services?

Chair

Mr Robert Shaw, ITU Internet Strategy and Policy Adviser, Strategy and Policy Unit, International Telecommunication Union (ITU)

Keynote speaker(s)

Dr Yong-Kyung Lee, President and Chief Executive Officer, KT Corporation (Rep. of Korea)

Speaker(s)

Connecting the world with wireless broadband:cost-effective access whenever, wherever:
Mr Alastair Westgarth, CEO and President, Navini Networks (United States)
Co-author(s): Ms Jeannette Hudler

Moving the decimal point: 10 Gigabit ethernet for LANs, MANs and more – First mile ethernet for broadband metro access networks:
Dr Bruce Tolley, Senior Manager, Emerging Technologies, Gigabit Systems Business Unit, Cisco Systems (United States)

The evolving hot spot market for broadband Internet access:
**Dr Alwin Mahler, Professor, Telefónica Deutschland GmbH
(Germany)
Co-author(s): Mr Charles Steinfield**

**Mrs Margaret LaBrecque, President, WiMAX Forum
(United States)**

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*Architecture and economics of next-generation residential
optical broadband access networks:*
**Dr Edward Szurkowski, Director, Information Systems Research
Laboratory, Bell Laboratories, Lucent Technologies (United States)
Co-author(s): Mr Subramanian Prakash, Mr Marcus Weldon,
Mr Thomas Wood, Mr Mark Cardillo, Mr Martin Glapa**

16:30-18:00   **Session TECH2**   **Room C**

Ubiquitous communications

In the Asia-Pacific region in particular, there is increasing discussion around the concept of "ubiquitous networks" and "ubiquitous communications". The term "ubiquitous" comes from the Latin "ubique", meaning "everywhere". Although it is still an evolving concept, the vision implied is one of a pervasive information infrastructure of interconnected devices where computing, content, and network resources become transparent to users. In other words, ubiquitous communications will mean the constant presence of networks that permit interacting and exchanging information with anybody, anywhere, any time and with many types of equipment. However, there are many formidable technological and policy challenges, including the security and privacy implications of sensing and tracking in real-time the interaction of individuals and objects to determine context and environment. This session will discuss visions of ubiquitous technologies and communications, future application scenarios, and will also touch upon some of related policy issues.

Chair

Dr Pekka Tarjanne, Former ITU Secretary-General (Finland)

Keynote speaker(s)

Professor Ken Sakamura, Professor / Director, University of Tokyo / YRP Ubiquitous Networking Laboratory (Japan)

Speaker(s)

Dr Gil-Rok Oh, President, Electronics and Telecommunications Research Institute – ETRI (Rep. of Korea)

Ubiquitous networks: A new paradigm for growth:
Dr Takeshi Shinohara, Chief Consultant, Nomura Research Institute, Ltd (Japan)

Professor Sanjay Sarma, Chairman of Research, Auto-ID Center, MIT (United States)

Mr Xavier Aubry, Director of International Business Development, Appear Networks (Sweden)

Mr Wilfried Brachschoss, VP Marketing Access Products, Worldwide, Infineon Technologies AG (Germany)

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Multimodal knowledge and information on demand service in ubiquitous environment using Bluetooth wireless technology:
Ms Mika Fukui, Corporate Research & Development Center/ Knowledge Media Laboratory, Toshiba Corporation (Japan) Co-author(s): Mr Takayuki Miyazawa, Mr Hiroko Fujii, Mr Kouji Urata, Mr Toshiki Kizu

Towards a ubiquitous network
Mr Yoshinori Yoshida, Genaral Manager, NEC Corporation (Japan) Co-author(s): Mr Hideaki Tani, Mr Shohei Takeuchi

| 14:30-16:00 | Session TECH3 | Room C |

The future of wireless

The wireless industry is undergoing a paradigm shift in both technologies and services. Some new and exciting technologies are emerging including mesh networks, software defined radio, ultra wideband and orthogonal frequency division multiplexing (OFDM). At the same time, there is growing realization that the conceptual models of the wireless business need to shift from a focus on technology and terminals to user-centric services supported by a wide range of smart appliances. This session will discuss some of the new emerging wireless technologies and how they impact on a future vision of user and service-centric wireless world.

Chair

Mr Valery Timofeev, Director BR, International Telecommunication Union (ITU)

Keynote speaker(s)

Shaping standards & creating successful environments for wireless data to flourish:
Mr Martin Cooper, Chairman & CEO, ArrayComm, Inc. (United States)

Speaker(s)

SK Telecom's experience with 3G systems and view on beyond 3G:
Dr Myung Sung Lee, Vice President and CTO, Network R&D Center, SK Telecom (Rep. of Korea)

Professor Ryuji Kohno, Professor, Division of Physics, Electrical and Computer Engineering, Yokohama National University (Japan)

Next generation wireless system and smart appliances:
Dr Aloknath De, Head of Telecom Unit, STMicroelectronics (India)

IEEE Standard 802.16 for Global Broadband Wireless Access
Dr Roger B Marks, Chairman, IEEE 802.16, Working Group, US National Institute of Standards and Technology (United States)

Published Only

Spectrum utilization trends and their impact on regulation, licensing and equipment approval:
Mr Rémi Chayer, Manager – Technical Marketing, Microwave Communications Division, Harris Corporation (Canada)

A new heterogeneous wireless access network architecture interworking cellular and WLAN:
Mr Yoshikazu Ishii, Staff Engineer, Network Solution Laboratories, Panasonic Mobile Communications Co., Ltd (Japan)
Co-author(s): Mr Yuji Hashimoto, Mr Hiroaki Asano, Mr Tsutomu Kito, Mr Tomonori Keneko, Mr Seiho Kitaji

Migrating to an IP-based radio access: why, when, how?:
Mr Lindsay Frost, Market Development Manager, Network Laboratories, NEC Europe Ltd (Germany)
Co-author(s): Mr Heiner Stuettgen, Mr Eijo Kito, Mr Masanori Taketsugu

Smart antenna ICs: Key technology to enhance the next-generation wireless systems
Mr Hiroki Shoki, Senior Research Scientist, Corporate Research & Development Center, Toshiba Corporation (Japan)
Co-author(s): Mr Kuniaki Itoh, Mr Shuichi Obayashi

Evolving wireless networks with packet technology:
Mr Paul Miller, Vice-President, Packet Telephony, Tekelec (United States)

| 16:30-18:00 | Session TECH4 | Room C |

Digital identifiers

New schemes and usage scenarios for digital identifiers are emerging for devices, resources and users. Some are based on new technologies (e.g. IPv6, IDN, XML, RFID's) while others leverage long-standing existing identifiers (e.g. ISBN's, E.164 telephone numbers, trademarks) in new contexts. Digital identifiers, such as network names, numbers and addresses, are crucial to any communication system. They typically require the coordinated assignment of unique values from a bounded range of values. The existence of this coordination problem usually means that identifiers are administered through collective action, which takes place in various forMs For instance, the need for collective action among businesses and organizations that might otherwise be rivals or be completely autonomous, often gives rise to the most interesting and difficult policy problems, particularly when identifiers have economic value or are linked to identity and trust. This session will discuss emerging trends in digital identifiers.

Chair

Mr Pindar Wong, Chairman, VeriFi (Hong Kong) Ltd (Hong Kong, China)

Speaker(s)

Mr Houlin Zhao, Director, Telecommunication Standardization Bureau (TSB), International Telecommunication Union (ITU)

The present and future of digital identifiers in the network:
Dr Paul Mockapetris, Chairman and Chief Scientist, Nominum Inc. (United States)

How Will Emerging Digital Identifiers Impact the Evolution of Connectivity and Reachability in the Ubiquitous Network Environment?
Mr Hiroaki (Harry) Takeichi, Corporate Vice President, System Products Business Group (Telecommunications), Fujitsu Limited (Japan)

Mr Paul Wilson, Director General, APNIC (Australia)

Human networks: The shift from application-based to identity-based networking:
Mr John Roese, Chief Technology Officer, Enterasys Networks Inc. (United States)
Co-author(s): Mr Drew Miale

Published Only

State of ENUM:
Mr Jim Reid, Director of European Operations, Nominum Ltd (United Kingdom)

E.164 as enabler for Internet killer applications:
Mr Lothar Reith, Manager Product Marketing, Carrier Data Networks, Nortel Networks (Germany)

IPv6 cyber-security & privacy:
Mr Latif Ladid, President, IPv6 Forum (Luxembourg)

The role of phone numbers in the addressing of IP-based mobile communications services
Mr Douglas Ranalli, Founder & Chief Strategy Officer, NetNumber, Inc. (United States)

IPv6, return on investment, model:
Professor L-F Pau, Professor Mobile Business, Rotterdam School of Management, Erasmus University (Netherlands)

| 14:30-16:00 | Session TECH5 | Room C |

Web services

The term "web services" describes a set of modular applications or services that can be accessed across an Internet-based infrastructure through standard interfaces, typically based on XML (eXtensible Markup Language). Web services are an attempt to connect disparate systems and resources together via a universal language and framework. This session will discuss the emerging trend of web services and their growing availability and interoperability in the marketplace.

Chair

Mr Jack McCue, Senior Telecom & Technology Adviser, UBS (United Kingdom)

Keynote speaker(s)

Dr Robert Sutor, Director, WebSphere Software Infrastructure, IBM Corporation (United States)

Speaker(s)

Web services: Provider threat or opportunity:
Ms Maureen Govern, Chief Technology Officer, Convergys (United States)
Co-author(s): Mr Stephen Weagraff

Mr Jacob Christfort, Chief Technology Officer and Vice President, Product Development, Mobile Products and Services Division, Oracle Corporation (United States)

Mr Mark Bauhaus, Vice President, Web Services, Sun Microsystems, Inc. (United States)

Dr René Luyckx, Chief Executive Officer, Steria Benelux SA (Belgium)

Published Only

Redefining service deployment through web services:
Mr Brian Demers, Vice President & General Manager, Network Solutions, NMS Communications (United States)

Risks and rewards in China:
Mr Christopher King, Director, Telecommunications Markets, BEA Systems (United States)

Voice over IP

Voice over IP (VoIP) is the transport of voice telephone calls over IP-based networks, including the public Internet. The growing availability of broadband bundled with IP-based flat-rate voice services has driven renewed interest and growth of VoIP subscribers during the last year. At the same time, VoIP, when used as a substitutable service for PSTN-based voice, is garnering more attention from policy-makers and regulators. This session will discuss VoIP technologies and standards as well as the latest marketplace trends.

Chair

Mr Bryan Wiener, President, Net2Phone (United States)

Speaker(s)

IP VPNs and IP Centrex VoIP services: The next generation service roadmap for enterprises:
Mr Bertrand Chauvet, Business Development Director, NetCentrex (France)

The H.323 Revolution
Mr Eli Orr, Product Manager, Radvision (United States)

Security in the voice network: New challenges and new solutions:
Mr Mike Hluchyj, Founder & Chief Technology Officer, Sonus Networks (United States)

Mr Antonino D'Angelo, Chief Strategy Officer & Chief Technology Officer, Italtel SpA (Italy)

Just what is VoIP, Anyway?
Mr Paul Jones, Voice Systems Architect, Cisco Systems, Inc. (United States)

The economic case for next-generation voice:
Mr Robin Bailey, Head of Decision Systems Group, Analysys Consulting, Analysys Ltd (United Kingdom)

Mr John S. Rego, Chief Financial Officer, Vonage (United States)

Published Only

Premium IP: on the road to ambient networking:
Dr Paulo de Sousa, Head of Sector, Broadband, European
Commission (EU)
Co-author(s): Mr Robert Briscoe, Mr Potts Martin

14:30-16:00   **Session TECH7**   **Room C**

The changing face of broadcasting

For almost 50 years, the TV signals that viewers watched were transmitted via analogue means, using specifications such as NTSC, PAL and SECAM. The digitization of broadcasting, advances in digital video coding techniques (e.g. MPEG-4) and the growing availability of broadband will rapidly reshape the broadcasting sector and challenge existing assumptions (e.g. geographically-based licensing) and business models.

Chair

Dr Marko Jagodic, Advisor to the Director General, Iskratel (Slovenia)

Speaker(s)

Mr Giuliano Berretta, Président Directeur général, Eutelsat

Mr Philip Laven, Technical Director, European Broadcasting Union – EBU/UER

Mr Lauro A González Moreno, Chief Executive Officer, SATMEX (Mexico)

Mr Mikael Kriselj, Adviser to the Director for Broadcasting, Telecommunications, Broadcasting and Post Agency (Slovenia)

Published Only

Broadband access and digital broadcasting: where we are and where we go from here:
Dr Jose Leite Pereira Filho, Councillor, ANATEL (Brazil)

Open source

Open source software has been compared to the modern-day equivalent of communal barn-raising. Open source is software for which the complete source code is made available for examination and modification-although not necessarily free. Is the undeniable growing popularity of open source software a threat or a nirvana? Does it fundamentally challenge the notion that innovation best flows from competition rather than cooperation? In either case, the topic is gaining increased attention by both the public and private sectors. This session will debate the pros and cons of the open source software movement.

Chair

Dr Linda Garcia, Director/Research Professor, Communication, Culture and Technology Program, Georgetown University (United States)

Keynote speaker(s)

Mr Daniel Riek, Senior Account Manager, Public Sector, Red Hat GmbH (Germany)

Speaker(s)

Ms Michele Herman, Senior Director, Intellectual Property Strategy (United States)

Free and Open Source Software in Africa
Mr Bildad Kanuri Kagai, Coordinator, Free Software and Open Source Foundation for Africa (FSOSFA) (Kenya)

09:00-12:00 **Session TDS 1** **Room A**

Integrating Consumers into
the Regulatory Process

What role do consumers play in the regulatory process? How do policy-makers, regulators and industry players address consumer needs? Only by focusing on the needs and demands of consumers can regulators ensure that markets provide the services customers want at prices they can afford. Regulating for the benefit of end users is key to regulators' efforts to bridge the digital divide. This session will explore the steps regulators are taking to integrate consumers into the regulatory process to better serve end users' needs. Topics include how to obtain effective consumer input, innovative consumer outreach programmes, interactive consumer information websites, transparent decision-making; consumer protection policies, dispute resolution processes, and quality of service indicators.

Moderator

**Ms Muna Nijem, Chairman of the Board/CEO,
Telecommunications Regulatory Commission – TRC (Jordan)**

Keynote speaker(s)

**Mr Luiz Guilherme Schymura de Oliveira, President, ANATEL
(Brazil)**

**Ms Armi Jane R. Borje, Commissioner, Philippines Regulatory
Authority (Philippines)**

**Dr Amar Tou, President, Posts and Telecommunications
Regulatory Authority – ARPT (Algeria)**

**Mr David Meltzer, General Counsel & Vice President for
Regulatory Affairs, Intelsat (United States)**

Panellists

Mr Ewan Sutherland, Executive Director, INTUG

Mr Willy Jensen, Director-General, Norwegian Post and Telecommunications Authority – NPTA (Norway)

Mr Jaime Delgado Zegarra, Lawyer, Asociación Peruana de Consumidores y Usuarios – ASPEC (Peru)

Mr Ernesto Rodriguez Medina, Executive President, Asociación Nacional de Usuarios de las Comunicaciones – ASUCOM (Colombia)

Rapporteur

Mrs Doreen Bogdan-Martin, Acting Head, Regulatory Reform Unit, Telecommunication Development Bureau (BDT), International Telecommunication Union (ITU)

09:00-12:00 Session TDS 2 Room A

ICTs for Development:
Public Internet Access

The Internet is a tool that offers the potential to help meet vital development goals such as education, basic healthcare and poverty alleviation. However, the disparity in access, adoption and diffusion of this technology is clear both between countries and within countries according to rural and urban areas, gender, age language etc. Public Internet access, for instance through Internet cafés, can bring information, knowledge and communication, to otherwise marginalized societies. This session will review some alternative models for promoting public Internet access, and will consider case study examples (for instance the "Warnets" in Indonesia, the "e-bario" project in Malaysia, or the use of Post Offices to promote Internet access in Mauritius) and lessons learned. Why have some countries been successful in fostering a large number Internet cafés while others have not? What government policies, technological solutions and other factors have been successful? for ? How can developing countries provide support for rural community-based Internet access (e.g, at schools, libraries and community centres)? Finally, this session will include some examples of practical applications that can be made available through public Internet access, beyond e-mail, chat or VoIP, that help foster social and economic development (e.g., distance learning, projects for SMEs, etc.).

Moderator

Mr Michael Minges, Head, Telecommunications Data and Statistics Unit, BDT, International Telecommunication Union (ITU)

Keynote speaker(s)

Mr Uri Olenik, Director-General, Ministry of Communications (Israel)

Mr Michael Binder, Assistant Deputy Minister, Spectrum, Information Technology & Telecommunications Sector, Industry Canada (Canada)

Dr K.J. John, Vice President, IT Policy Development, NITC (Malaysia)

Case Study Presenter(s)

Dr Rajesh Rajora, Collector and District Magistrate, Collectorate (India)

Mr Sarat Dutt Lallah, Former Minister of Communications of Mauritius and Managing Director, L'Esprit Consultants et CyberSpirit Communication (Mauritius)

Mr Suren Badral, Councilor, Trade, Economic & Consular Affairs, Mission Permanente de la Mongolie (Mongolia)

Mr Rudy Rusdiah, Chairman, Warnets Association APWKomitel (Indonesia)

Rapporteur

Ms Vanessa Gray, Officer, Market Economics and Finance Unit, BDT, International Telecommunication Union (ITU)

09:00-12:00   Session TDS 3   Room A

Addressing the ICT skills shortage through E-learning

Information and Communication Technologies (ICTs) can provide a useful tool for the delivery of a range of services oriented towards development, notably in the field of education. E-learning, or distance education assisted by ICTs, is one of the more promising applications. What are the most successful examples of e-learning applications across the world? What new models are emerging, such as the ITU Centres of Excellence? This session will consider three main aspects to addressing the ICT skills shortage:

– How to use e-learning to reach a wider target population for training
– Using e-learning to promote life-long training and skills building
– The costs and benefits of e-learning compared with other forms of training

An important issue for consideration is the future of telecommunication training centres which, in the era of public monopolies, were maintained and funded by incumbent operators but which have proved difficult to sustain in a more competitive environment.

Moderator

Professor David P. Mellor, President, Cable & Wireless Virtual Academy (United Kingdom)

Keynote speaker(s)

Ms Susan Ellison-McGee, ICT Specialist, Economics & Development Resource Center, Asian Development Bank (Philippines)

Mr Mario Maniewicz, Head, Implementation and Operational Support (BDT), International Telecommunication Union (ITU)

Panellists

Ms Kim Mallalieu, Senior Lecturer, The University of West Indies (Trinidad and Tobago)

Mr Carlos Casasus, Director General, Corporación Universitaria para el Desarrollo de Internet – CUDI (Mexico)

Dr Kwabena Darko, Director, Ghana Distance Learning Center (Ghana)

Professor Gajaraj Dhanarajan, President and Chief Executive Officer, The Commonwealth of Learning (Canada)

Rapporteur

Mr Manuel Zaragoza, HRD Officer/Internet Centre Training Initiative (ICTI) Coordinator, ITU/BDT, International Telecommunication Union (ITU)

16:00-17:30	Session YF1	Room A

by invitation only

Youth Forum Welcome and Briefing of Youth Fellows

The Youth Forum at ITU TELECOM WORLD 2003 is designed to introduce the youth fellows from all over the world to the challenges and opportunities of the information and communication technology (ICT) sector, and to the openings this dynamic sector may hold for those of them contemplating it as a choice of career. In the course of a three-day programme, the Youth Forum will address three basic themes: technology; policy and regulation; and finance and investment. It will show how these are fundamental to the sector and examine how all players involved can interact successfully, and for their mutual benefit, in both industrialized and developing markets, to ensure that ICTs act as a prime mover both of economic and social development and of the fundamental human right to communicate and access information. The youth fellows will discuss the three themes with eminent experts, and will break into working groups for further discussions, where they will have the opportunity to express their own interests, hopes and ambitions as well as those of their countries. Following the three-day programme, two further sessions will be held: one to prepare a Youth Declaration formulating the young people's aspirations and recommendations, subsequently to be fed into the World Summit on the Information Society; another offering the possibility to attend a workshop on developing a business plan. This opening session is intended to welcome the Youth Fellows and to brief them and the plans for the week ahead.

Chair

Mrs Walda Roseman, President & Chief Executive Officer, CompassRose International, Inc. (United States)

Welcome Address

Mr Roberto Blois, Deputy Secretary-General, International Telecommunication Union (ITU)

Mr Robert Hensler, Chancelier d'Etat, Chancellerie d'Etat de la République et Canton de Genève (Switzerland)

Ms Agnes Nardi, Managing Director of Hutchison Telecommunications (Hong Kong) and Hutchison 3G Hong Kong (China)

Mr Hamadoun I. Touré, Director, Telecommunication Development Bureau (BDT), International Telecommunication Union (ITU)

14:30-16:00   **Session YF2**   **Restaurant Le Cervin**

by invitation only

Information and Communication Technologies as an enabler

Plenary: The intention of this session is to introduce the participants to the role of information and communication technologies (ICTs) in the lives of people today and the promises they hold for the future. Technology is not an end in itself, but rather it is an enabler in other sectors such as health, education, commerce, government, etc. Whilst governments are aware of the role of ICTs in the social and economic development of all countries, the general public also expects efficient and low-cost ICT services that will improve the quality of life as well as raising levels of income. The human side of technology must be considered. People cannot be expected to adapt to the technology, rather it is technology that should be serving society and its needs. Technology solutions cannot be "canned"; rather different solutions need to be tailored to different users. Technological convergence is blurring the boundaries between the previously separate sectors of telecommunications, computing and broadcasting. What exciting challenges lie ahead?

Chair

Dr A. Reza Jafari, Chairman, ITU Telecom World 2003 Forum Programme Committee, (United States)

Keynote speaker(s)

Mr Carlos Braga, Senior Advisor, International Trade, The World Bank Group, and Advisor to the Development Gateway Foundation (World Bank)

Mr Conny Kullman, Chief Executive Officer, Intelsat Ltd (United States)

16:00-17:30 Session YF2

by invitation only

Information and Communication Technologies as an enabler

Break-out sessions – Questions to discuss could include:
– What are the most exciting and pervasive technological innovations to be expected over the next five to ten years?
– How can ICTs be used as a tool to achieve broader development objectives, such as eradicating poverty, improving access to education and healthcare, etc.
– What areas of study or career path would enable Youth Forum participants to take maximum advantage of the opportunities in this area?
– After the dot.com crash, what are the opportunities for creating Internet-based businesses?

Group A - Room E

Moderator

Dr A. Reza Jafari, Chairman, ITU Telecom World 2003 Forum Programme Committee (United States)

Resource Person

Mr Fabio Leite, Councellor, Radio Communications Bureau (BR), International Telecommunication Union (ITU)

Group B - Room F

Moderator

Ms Lyndall Shope-Mafole, Chairperson, Presidential National Commission on Information Society and Development (South Africa)

Resource Person

Mr Reinhard Scholl, Deputy to the Director, Telecommunication Standardization Bureau (TSB), International Telecommunication Union (ITU)

Group C - Room G

Moderator

Mr Pierre Derome, CEO, Telecom Executive Management Institute of Canada (TEMIC) (Canada)

Resource Person

Mr Fernando Lagraña, Head, EDP Division & Promotion Officer Radiocommunication Bureau (BR), International Telecommunication Union (ITU)

14:30-16:00   **Session YF3**   **Restaurant Le Cervin**

by invitation only

Investment and Finance

Money makes the world go around, and the telecommunications sector is no exception. At the peak of the dot.com boom in the late 1990s, investment in the telecommunications sector reached some US$200 billion per year. Private investors, banks and venture capital companies all saw the opportunities offered by the sector as a sure-fire investment. Auctions of licences to operate third generation mobile licences cost operators more than US$100 billion, even before the first calls were made. But things changed at the start of the new millennium, once share prices started to collapse. It is clear now that much of the capital invested was wasted on building over-capacity on routes and in regions of the world that are already well-served. By contrast, in the developing world, where demand is highest, capital remains scarce and no, following the collapse, is even more difficult to raise. Is the ICT industry still a safe investment?

Chair

Mr Hamadoun I. Touré, Director, Telecommunication Development Bureau (BDT), International Telecommunication Union (ITU)

Keynote speaker(s)

Mr Bruno Lanvin, Manager, Information for Development Programme, The World Bank and World Bank Group focal point for WSIS

Mr Patrick Odier, Vice President, Fondation Genève Place Financière (Switzerland)

Mr Jay Naidoo, Chairman, Development Bank of Southern Africa – DBSA (South Africa)

by invitation only

Investment and Finance

Break-out sessions – Questions to discuss could include:
– Why is investment and finance so important in the ICT
  sector?
– How do entrepreneurs obtain funds to commercialize their
  ideas?
– How financing organizations identify and mitigate risks?
– What are the results and deliverables that funding
  organizations require?

Group A - Room E

Moderator

**Mrs Walda Roseman, President & Chief Executive Officer,
CompassRose International, Inc. (United States)**

Resource Person

**Mr Cosmas L. Zavazava, Coordinator Special Unit for LDCs, BDT,
International Telecommunication Union (ITU)**

Group B - Room F

Moderator

Dr Bruno Lanvin, Program Manager, InfoDev, The World Bank

Resource Person

**Mr Alexander Ntoko, Head, E-Strategy Unit, BDT, International
Telecommunication Union (ITU)**

Group C - Room G

14:30-16:00　　　Session YF4　　　Restaurant Le Cervin

by invitation only

Policy and Regulation

Plenary: Although huge strides have been made in recent years, it remains the case that the majority of developing countries have fewer than one telephone for every ten people and as many as 1.5 million villages around the globe are still not connected to the global network. While many developed countries are now reaching universal service (a phone in every home); many developing countries are still struggling to achieve universal access (telecommunications within easy reach from public access points or shared facilities).
What type of policies will help promote universal access? What role can mobile communications play in extending access? Should universal Internet access be regarded as primary goal of policy or only a secondary goal after voice communications? Does market competition help or hinder the achievement of universal access? Can new technologies help in fostering low-cost roll-out of networks? What forms of community access work best (e.g. from schools, telecentres, tele-shops etc)? How should universal access policies be funded?

Chair

Mrs Walda Roseman, President & Chief Executive Officer, CompassRose International, Inc. (United States)

Keynote speaker(s)

His Excellency Dr Bakary K. Njie, Secretary of State, Department of State for Communications, Information and Technology (Gambia)

Mrs Kathleen Q. Abernathy, Commissioner, Federal Communications Commission – FCC (United States)

Dr Paul Verhoef, Head of Unit, International Aspects, DG-Information Society, European Commission (EU)

16:00-17:30   Session YF4   Rooms E & F

by invitation only

Policy and Regulation

Break-out Sessions: How could government policy improve ICT Access? It is proposed to use this session to undertake a role-play exercise. The youth fellows will gain an insight on how government policies could affect the development of and access to ICT services and what are the issues involved. A new Minister of Communication in a government has recently been elected, in a low-income developing country. The youth fellows are requested to provide advice. They have five years to set and implement policies that could significantly improve access to ICT. What policies and programme could be proposed and what would be the role of the different stakeholders in implementing them?

Group A - Room E

Moderator

Ms Valerie Ann D'Costa, Director, International Affairs Department, Infocomm Development Authority of Singapore – IDA (Singapore)

Resource Person

Ms Susan Schorr, Regulatory Officer, Telecommunication Development Bureau (BDT), International Telecommunication Union (ITU)

Group B - Room F

Moderator

Mr Neil Gough, Director, International Relations, Vodafone Group Services Ltd (United Kingdom)

Resource Person

Ms Nancy Sundberg, Regulatory Officer, Regulatory Reform Unit, BDT, International Telecommunication Union (ITU)

Group C - Room G

Moderator

Ms Salma Jalife, Coordinadora General de Asuntos Internacionales, Comisión Federal de Telecomunicaciones (Mexico)

Resource Person

Mrs Doreen Bogdan-Martin, Acting Head, Regulatory Reform Unit, Telecommunication Development Bureau (BDT), International Telecommunication Union (ITU)

09:30-12:30   **Session YF5a**

by invitation only

Pulling it All Together: Developing your "Business" Plan

Optional Workshop: 60 participants maximum

Both 'for-profit' and 'non-profit' organizations need to find funding and provide value to finance ongoing activities. This optional workshop brings together the technology, business and financial concepts discussed in the Youth Forum into a practical, hands-on workshop to demonstrate the steps involved to develop a concrete business plan. Business plans for funding a for-profit Internet Café and a non-profit Alumni Association will be developed and compared during the session. Space is limited and participation will be on a first-come, first-served basis.

Workshop Plenary: 09:00-10.30 The plenary will provide the workshop context by briefly explaining the key steps involved in developing a business plan. Specifically it will explain the need to clarify the market opportunity and value-proposition, to develop the cost and revenue projections, to select appropriate technologies, to address any licensing requirements and analyze when the activity will 'break-even' or go 'bust'. What services do you intend to provide? To whom? What is the value proposition? How do you establish your cost base? What technologies will you use? Why? How do you establishing your revenue stream? How will you promote your 'brand'? How will you foster and retain the human capital necessary to grow your activities? What is the final goal of the activity?

Break-out session: 11.00-12.30 Participants will be divided into two teams: one team will develop the non-profit business plan for an Community Telecentre in a rural area; the other team will develop a for-profit business plan for an Internet Café in an urban area. At the end of the session, the two groups will each given a 10-minute opportunity to present their business plan to a panel of investors who will compare and critique them.

Coordinator

Mr Pindar Wong, Chairman, Managing Director, West Bridge Communications Ltd (Hong Kong, China)

Regulator

Dr Paul Verhoef, Head of Unit, International Aspects, DG-Information Society, European Commission (EU)

Entrepreneur

Mr Peter Metcalf, Chief Executive Officer, Foundation for the Development of Africa (South Africa)

Investor Finance

(to be identified)

Investor HRD

Mr Pape Gorgui Touré, Acting Head, Policies, Strategies and Financing Department (PSF), BDT, International Telecommunication Union (ITU)

14:30-17:30　　　Session YF5b　　　Rooms E - F - G

by invitation only

Developing Youth input to the World Summit on the Information Society

The first phase of the World Summit on the Information Society (WSIS) will be held in Geneva, 10-12 December 2003. The outputs of the Summit will be a declaration of principles and an action plan. It is proposed that a small number of nominated representatives (maximum of 12 in each group), selected by the Youth Fellows, work on drafting a youth input to the World Summit. This Declaration will be presented at the Forum Closing the following day.

Resource Person

Mr Denis Gilhooly, Executive Coordinator to WSIS Executive Secretariat (ITU)

Mr Gary Fowlie, Chief, Media Relations and Public Information Service, Coordination, External Relations and Communication Unit (ITU)

Ms Claudia Sarrocco, Policy Advisor, ITU WSIS

Ms Jennifer Corriero, Co-founder and Director, TakingITGlobal (Canada)

Mr Alex Fielding, Youth Liaison, ITU WSIS

13:30-16:30   **Rooms B**

Workshop on remedies for telecom recovery

The Columbia University Institute for Tele-Information (CITI) has been studying the causes of the downturn in the global telecommunications industry. The study includes: Underlying causes for the industry downturn; Investor approaches to valuations and forecasting; Managerial strategies and business models for recovery; Strengthening networks resilience; Regulatory policy for a revitalized industry; Effect of the telecom crisis on R&D.

Speaker(s)

Prof. Eli M. Noam, Professor, Finance & Economics and Director, Columbia Institute for Tele-Information, Columbia University Graduate School of Business (United States)

Dr Keiji Tachikawa, President & Chief Executive Officer, NTT DoCoMo, Inc. (Japan)

Mr Yves Gassot, Directeur general, IDATE (France)

Workshop on Accessibility II: Communication by all means

Information and Communication Technologies (ICT) have the potential to give disabled persons a chance to communicate with the world on the same basis as the community at large. And while work on improving access to these technologies is not new, the latest advancements are opening a world of opportunities for communication. ITU has pioneered work on standardization that will further open up ICT access for the deaf and is progressing its work to promote an all-inclusive approach to telecommunications. The workshop "Accessibility II : Communication by all means" will brief the attendance on the current status of standardization for accessibility enabled by multimedia communication as well as on societal support and on practical results from the implementation of all-inclusive communications facilities. Speakers include representatives from the standards-making bodies as well as authorities and the user community. Objectives: ·Review the current status of standardization in support of accessibility · Learn about actions from society to promote accessibility in ICT. · Create awareness on how the Total Conversation concept for communication in video, text and voice can open for efficient telecommunication between people with different languages and capabilities. · Create awareness about accessibility standards in the stored multimedia area. · Inform and discuss the current work at ITU with Text over IP and interoperability issues. · Encourage the implementation of these standards in all technologies applicable so that newer emerging technologies will already take into account the needs of deaf communication. · Encourage people with disabilities to support and contribute to the work in ITU-T.
Associated link to this session:
http://www.itu.int/ITU-T/worksem/accessibility-II/.

Opening Address

Mr Pierre-André Probst, Chairman, ITU-T SG 16, Consultant to Swisscom S.A. (Switzerland)

Presentations

Mr Gunnar Fagerberg, Principal Scientific Officer, Information Society Directorate-General, Elderly and persons with disabilities, European Commission, Information Society, Disabled and Elderly developments (EU)

Mr Hiroshi Kawamura, Director, Department of Social Rehabilitation, Research Institute, National Rehabilitation Center for Persons with Disabilities (NRCD) (Japan)

Mr Paul Jones, Voice Systems Architect, Cisco Systems, Inc. (United States)

Mr Gunnar Hellström, Founder, Omnitor AB (Sweden)

Mr Mike Day, BT TextDirect Product Manager, British Telecom (United Kingdom)

Mr Michael Quinlan, Multimedia Information Manager, British Deaf Association (BDA) (United Kingdom)

Mr Beat Kleeb, Procomm (Switzerland)

Mr Urs Linder, Procomm (Switzerland)

10:00-11:00   Session Slot 4   ARENA

Showcase Presentation
Microsoft (United States)

Keynote speaker(s)

Mr William (Bill) H. Gates III, Chairman and Chief Software Architect, Microsoft Corporation (United States)

11:30-12:30   Session Slot 5   **ARENA**

Showcase Presentation
Wi-LAN/Tachyon (Canada)

Wi-LAN and one of our operator customers will do a showcase
of an active Fixed Broadband Network in operation providing
high speed Internet access, data network extension, and
wireless data and telephony backhaul. The presentation will
provide information on Wi-MAX compliant product as well as
show case Mobile Broadband based on W-OFDM technology.
Wi-LAN believes its W-OFDM patents are necessary for the
implementation of devices using the IEEE standards 802.16a,
802.11a or 802.11g, the ETSI BRAN HiperLAN/2 standard
or the current draft of the proposed ETSI BRAN HiperMAN
standard. Wi-LAN licenses its W-OFDM technology and has
executed non-exclusive W-OFDM license agreements with
semiconductor companies. Wi-LAN is the Chair Company
of the OFDM Forum www.ofdm-forum.com) and an active
member of the WiMAX

Keynote speaker(s)

From Fixed Broadband Networks and Wi-MAX to Mobile
Broadband Networks
– **Mr Nico Roelofsen, VP Global Sales, Sales, Wi-LAN/Tachyon**
   (Canada)

– **to be announced**

14:00-15:00   Session Slot 6   ARENA

Showcase Presentation
NetCentrex (France)
(not confirmed)

Keynote speaker(s)

to be announced

Showcase Presentation
Convergys (United States)

This multi-media presentation will explore how Convergys – the global leader in integrated billing, employee care and customer care services – enables global communications operator to profitably manage broadband, convergent services through its award-winning BSS products and its integrated employee and customer care solutions. Convergys will demonstrate how its production-proven, Infinys™ BSS solution drives operator profitability in the mobile, fixed, and cable/broadband sectors by lowering operator costs and risks while maximizing revenue per subscriber.

Keynote speaker(s)

Enabling Convergent Broadband Services Tom Antunes
– Global Vice President, Industry Solutions
Mr Thomas C. Antunes, Global Vice President, Industry Solutions, Convergys Corp. (United States)

Showcase Presentation
Swisscom Mobile (Switzerland)

Keynote speaker(s)

Public Wireless-LAN
To be announced

11:30-12:30 **Session Slot 10** **ARENA**

Showcase Presentation
Amdocs (United States)

Service providers have an opportunity to apply existing assets that have been developed for anumber of years for the delivery of communications services, to manage more of the packaging and sale of content services and durable goods. The change in the value chain caused by IP and content services is both an opportunity and a challenge that if it is not acted upon could serve to marginalize operators.

Keynote speaker(s)

Applying Service Provider Assets to Gain a Stronger Position in the Value Chain
Mr Wayne Purboo, Vice President, Research and Development, Amdocs (United States)

13:00-14:00   Session Slot 11   ARENA

Showcase Panel
Cisco (United States)

Convergence to IP/MPLS-based packet infrastructure is increasingly a key driver in building next-generation networks. Though service providers may focus on different services (such as voice, IP/ATM/Frame, video, or 3G) and follow different paths to convergence, they are all motivated by compelling financial, technological, and competitive benefits. This session is a dynamic exchange of views on the evolution of network infrastructure and the requirements of a successful convergence model. Speakers will address the challenges they face in migration, and the tangible benefits they expect to reap in deploying a converged network.

Moderator:

Convergence to IP/MPLS Infrastructure – The Service Provider View
Mr Mike Volpi, Senior Vice President/General Manager, Routing Technology Group, Cisco (United States)

Panellists:

to be announced

15:30-16:30 **Session Slot 12** **ARENA**

Showcase Presentation
WSIS Information Session

The World Summit on the Information Society (WSIS) is an international meeting of Heads of State and Government and leaders from the private sector, international/UN organizations and civil society. The WSIS will be held under the high patronage of UN Secretary General Kofi Annan and is being organized by the International Telecommunications Union (ITU) and the host countries, with the support of the UN family. The first phase of the Summit will take place in Geneva, December 10-12, 2003. The second phase will be held in Tunis, November 16-18, 2005. The WSIS Executive Secretariat is organizing an information session open to all participants of Telecom. This session will provide an overview of the Summit with a special emphasis on the opportunities for private sector participation, including exclusive high-level events involving CEOs and Heads of State and Government, as well as many other open events which form part of the ICT for Development (ICT4D) platform, the largest ever ICT4D project exhibition and conference. The WSIS will provide a unique, international platform to address a number of issues of interest to business including enabling policy/regulatory environments, network security, SPAM, consumer confidence and privacy, and the role of multi-stakeholder partnerships in expanding access to ICTs. Come to this important session to learn about how your organization can get involved in the upcoming Summit.

Keynote speaker(s)

Information session on the World Summit on the Information Society: First Phase, Geneva, 10-12 December 2003
Mr Pierre Gagné, Executive Director, WSIS Executive Secretariat, International Telecommunication Union

Dr. Tim Kelly, Head, Strategy and Policy Unit, International Telecommunication Union (ITU)

Mr Gary Fowlie, Chief Media Relations and Public Relations International Telecommunication Union (ITU)

11:30-12:30　　　　Session Slot 15　　　　**ARENA**

Showcase Presentation
Tandberg (Norway)

Andrew Miller will discuss the emerging trends and challenges within the video communications industry, including: how video communication can deal with market forces that are diminishing productivity, the proliferation of IP and the evolution of rich media conferencing solutions, customer/ marketplace demands and the future direction of the industry. Andrew will also discuss how Fortune 500 companies, having implemented video communication solutions, are dramatically changing the way they conduct business and are staying competitive, enriching the lives of their employees and improving their bottom line – all in a downturn economy. TANDBERG customer, Reuters, will highlight the benefits which video communication has brought to their business.

Keynote speaker(s)

The Evolution of Video: Delivering a Real Communication Experience
Mr Andrew Miller, Chief Executive Officer, Tandberg ASA (Norway)

14:00-16:30 **Session Slot 16/17** **ARENA**

Showcase Presentation
First Tuesday in collaboration with
CTI Start-up and CCSO (Switzerland)

First Tuesday with CTI Start-up & CCSO (Switzerland)
Within the framework of their activities of support for the new
innovative companies, the CCSO and Economic Development
Office have decided, with the help of the CTI start-up and in
the spirit of UIT's forums, to organize a First Tuesday's event in
order to present projects of start-up in the field of telecoms.
In this aera, as in others high technology sectors, the research
is the key point for the future. In fact, the technologies of the
future are being developped now in research laboratories.
Place of innovation, Switzerland aims to promote the start-
up with high added value.This event will be a showcase for
the innovative swiss start-up and the objective of this event
is to gather the telecommunication technologie's professionals
(businesmen, investors, researchers, start-up….). These start-
up will also be present throughout the Salon Telecom 2003 at
the stand of CCSO & University of applied Sciences of Geneva
(HES-GE) on the LakeGenevaRegion platform.
This platform is managed by the Department of Economy of
the canton of Geneva and Vaud , all of them have agreed, for
the occasion, to join the Telecom 2003 in order to promote
the region as a leading pole in the field of telecommunication
technologies.

Keynote speaker(s)

Innovative Swiss Telecom Business Opportunities
to be announced

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