



Bangkok 19-22 November

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## Tuesday, 19 Nov 2013

### FO : Forum Opening Conversation

Tuesday, 19 Nov 2013, 10:30 - 11:45, Jubilee Ballroom

#### Embracing Change in a Digital World

The ICT sector is undergoing a period of major transition. Even the way we communicate with each other is changing. Messaging and "rich voice" using presence and social media capabilities are increasingly replacing voice calls. Users of data and information are now producers as well as consumers leading to explosive demand for bandwidth. New technologies and markets are introducing new players to the industry. Traditional business models are broken, regulatory frameworks increasingly inadequate and the value chain must be reassessed. But these changes resulting from the shift from a voice-centric to a data-centric era are bringing opportunities that have the potential to enable social and economic development on an unprecedented scale. Changes in technology promising unlimited and low cost processing, storage and communication capabilities together with developments in software defined networks and data analysis are transforming the fundamental structure and character of the ICT sector. How can the ICT sector adapt to distribute the benefits of the new digital world on a fair and equitable basis while ensuring that issues such as privacy, data protection and cyber security are addressed effectively?

#### Panellists

[Mr Jon Fredrik Baksaas](#), President and Group CEO, Telenor Group, Norway

[Mr John E. Davies](#), Vice President, Intel World Ahead Program, Intel Corporation, United States

[Dr Nasser Marafih](#), Chief Executive Officer, Ooredoo, Qatar

[His Excellency Group Captain Anudith Nakornthap](#), Minister, The Government Complex, Ministry of Information and Communication Technology, Thailand

[Dr Hamadoun I. Touré](#), Secretary-General, International Telecommunication Union, Switzerland

### PSA1 : Riding the Data Wave

Tuesday, 19 Nov 2013, 14:15 - 15:45, Jupiter 8

The plethora of new wireless devices reaching international markets is facilitating innovative business models but stressing the ability of fixed and mobile networks to keep pace. Wireless has for some time provided basic connectivity in Asia but the data storm that has hit European and North American markets will present new challenges to operators due to the shortage of high capacity back haul. 'Front-hauling' is one of the techniques that have been promoted as a solution but its use of scarce spectrum presents other difficulties.

#### Moderator

[Mr Maurie Dobbin](#), Managing Director, TeleResources Engineering, Australia

#### Panellists

[Professor Reg Coutts](#), Managing Director, Coutts Communications, Australia

[Mr Paul Garnett](#), Director Microsoft's Technology Policy Group, Microsoft, United States

[Dr James Hong](#), Senior Executive Vice President and Chief Technology Officer, Korea Telecom, Korea (Rep. of)

[Mr Abu Saeed Khan](#), Senior Policy Fellow, LIRNEasia, Bangladesh

[Dr Prasit Prapinmongkolkarn](#), Emeritus Professor and Chair Professor, Department of Electrical Engineering, Chulalongkorn University, Thailand

### PSA2 : Telco & OTT

Tuesday, 19 Nov 2013, 14:15 - 15:45, Jupiter 9

The telecom industry is in a quandary over so-called "OTT services", especially for voice and messaging. It now seems inevitable that telephony and SMS revenues will decline, but there is no desire to accelerate this. Some operators are partnering with the likes of WhatsApp and Facebook to differentiate, while others are instead lobbying regulators to allow them to block or charge fees to their new rivals. A few with software skills are trying their hands at building their own "Telco-OTT" rivals, while a handful still believe the GSMA's RCS (Rich Communications Suite) is a saviour. This session explores the options for telcos – and what the changing landscape means for regulators and governments.

#### Moderator

[Mr Dean Bubleby](#), Founder and Director, Disruptive Analysis, United Kingdom

#### Panellists

[Mr Andy Abramson](#), Founder and CEO, Comunicano Inc., United States

[Ms Gabrielle Gauthey](#), Executive Vice-President for Global Government and Public Affairs, Alcatel-Lucent, France

[Ms Laura Howard](#), Head of Service Provider Solutions, Microsoft Lync Unified Communications Services, Microsoft, United States

[Mr Rohit Kanwar](#), General Manager for Network Optimisation, Bakrie Telecom, Indonesia

[Mr Carlos López-Blanco](#), Global Head for Corporate and Public Affairs, Telefonica SA, Spain

PSA3 : Regional Leaders Roundtable

Tuesday, 19 Nov 2013, 14:15 - 15:45, Jupiter 10

At ITU Telecom World in 2012 a group of regional CEOs acknowledged that telcos are experiencing a time of great change with increasing costs and falling revenues. The industry must reinvent itself; by understanding different ways to collect revenues it needs to evolve itself to sustain in the long run. Changed business models are needed to meet the challenges of customer choice brought about by licensed and unlicensed players - the changing world of telcos and the OTTs, the changing business models reflecting the changing value chain.

This also reflects the way customers communicate with each other and the movement away from voice and data-centric communications to M2M and "the Internet of Things". This is at a time of immense technological change involving mind-blowing challenges for regulation.

Many of these issues were covered during the World Conference on International Telecommunications in Dubai last December when some would say the conference widened the digital divide between an open and free internet and those seeking to control it. Since then how do the industry and the other key stakeholders understand the challenges and how to meet them?

Moderator

Mr Stewart White, Chief Executive Officer, Akhet Consulting, United Arab Emirates

Panellists

Mr Sigve Brekke, Executive Vice Present and Head of the Telenor Asia Operations, Telenor Group, Norway

Mr Ross Cormack, CEO, Ooredoo Myanmar

Mr Eric Loeb, Vice President, International External Affairs, AT&T, United States

Mr Suresh Sidhu, Chief Corporate and Operations Officer, Celcom Axiata, Malaysia

SSA2 : TD-LTE Technology and Spectrum Workshop

Tuesday, 19 Nov 2013, 14:15 - 15:45, Jupiter 16

TD-LTE Technology and Spectrum Workshop in Geneva and Dubai were great success and efficiently promote the development of TD-LTE. The 3rd TD-LTE Technology and Spectrum Workshop will be jointly hosted by International Telecommunications Union (ITU), Global TD-LTE Initiative (GTI), China Mobile and Telecommunication Development Industry Alliance (TDIA) on the afternoon of November 19 in Bangkok during ITU Telecom World 2013.

To utilize spectrum efficiently by forming a global unified spectrum allocation strategy, and further accelerate TD-LTE commercial deployment in the world, this session will bring together government leaders, regulator officers, CEOs of operators and chairmen of international associations to share their views on mobile broadband development.

Speaker

Mr Yue Li, President, China Mobile, China

Mr Hua Yang, Secretary-General, TD Industry Alliance, China

Mrs Yuhong Huang, Deputy General Manager, China Mobile Research Institute, China

PSB1 : The Social and Mobile App World: Friend or Foe?

Tuesday, 19 Nov 2013, 16:15 - 17:45, Jupiter 8

One of the loudest debates in today's telecommunication industry centres on how operators should deal with the "over the top" players and third-party web companies. From internet-based alternatives to telephony and texting, such as Skype, Viber or WhatsApp, to the social content economy spurred by companies like Facebook, Twitter or YouTube, carriers feel a threat to some of their traditional revenues. Add handset manufacturers like Apple, and OS providers like Android or Firefox OS in the mix and it's a recipe for disruption. Social media and mobile apps are changing the world. What are the most significant changes and what further disruption is on the horizon?

Moderator

Mr Paul Papadimitriou, Innovation Consultant, Digital Intelligence, United Kingdom

Panellists

Mr Benedict Evans, Strategy Consultant, Enders Analysis, United Kingdom

Mr Robbie Hills, Head of Media Technologies - China, South East Asia & India, Google, Singapore

Mr Colin Miles, VP of Corporate Marketing, InternetQ PLC &Chairman, MEF Asia, Singapore

PSB2 : Network Virtualization

Tuesday, 19 Nov 2013, 16:15 - 17:45, Jupiter 9

Existing services are delivered via dedicated infrastructure, resulting in network resource underutilization except during busy hours. Network Functions Virtualization (NFV) promises to end this and significantly reduce opex. This opens up the possibility of shared network resources, reduced capital investment and reduced operating expenses for network operators. Network operators expect a software purchase business model; OEMs need to protect their interests. For OEMs this may mean a ceding of exclusivity over some network functions and the possibility that more and more functions will come under the network operator domain. What business models will emerge? How will OEMs and network operators coexist in this new environment? This panel of experts will debate the possibilities, risks and opportunities from both the operator and OEM perspective.

Moderator

Ms Eileen Healy, President and CEO, Healy & Co, United States

**Panellists**

[Mr Kelly Ahuja](#), SVP Wireless Technology, Cisco Systems, United States  
[Mrs Anne Bouverot](#), Director General and Member of the Board, GSMA, United Kingdom  
[Mr Jan Ellsberger](#), Director Network Technology Strategy, Ericsson, Sweden  
[Mr Yukio Ito](#), Senior Vice President of Service Infrastructure, NTT Communications, Japan  
[Prof. Thomas Magedanz](#), Head of NGN Division, Fraunhofer Institute FOKUS, Germany

**PSB3 : Convergence of Regulation**

Tuesday, 19 Nov 2013, 16:15 - 17:45, Jupiter 10

Telecommunications, media and other regulators now inhabit a changing world dominated by end-to-end IP devices and networks, a world of over the top operators (OTT) providing applications where voice is as much an application as a weather outlook, a world where every user is a content generator. Content, whether live or streamed, can be viewed on numerous different "smart" devices and over multiple delivery technologies. Delivery platforms vary from digital broadcasting, satellite to broadband IP fixed and wireless networks. It is the consumer who largely decides how they access content and applications, but there can be lock in.

Today applications and services are largely provided by different players from those providing the alternative and competitive local infrastructures. The dominant players are no longer the national incumbent ruled over by the national regulator but largely free reigned international companies. Many new companies are increasing their value whereas the infrastructure players are struggling to stand still. There has been a quantum change in the value chain where the software and application service providers dictate to the infrastructure players.

This session will address such questions as: Is it time to radically think about the scope of the telecommunications and media/broadcasting regulators? Should these bodies have their wings clipped and be merged together? Will such changes assist or hinder the investment and rapid rollout of new services? Who needs protecting? What is the appropriate level of regulation or can the industry work together to produce "guidelines" and self-regulate?

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**Moderator**

[Mr Alan Horne](#), Chief Executive Officer, Broadband Pioneer, United Kingdom

**Panellists**

[Mr Bocar A. Ba](#), Chief Executive Officer, SAMENA Telecommunications Council, United Arab Emirates  
[Prof. Rob Frieden](#), Pioneers Chair and Professor of Telecommunications and Law, Pennsylvania State University, United States  
[Ms Stephanie Liston](#), Senior Counsel, Charles Russell, United Kingdom  
[Mr Wonki Min](#), Chairman Nominee of ITU-PP 14 and Director-General, Ministry of Science, ICT and Future Planning of Korea, Korea (Rep. of)  
[Dr Suthiphon Thaveechaiyagarn](#), Commissioner, National Broadcasting and Telecommunications Commission (NBTC), Thailand

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**Wednesday, 20 Nov 2013**

**PSC1 : The Internet of Everything**

Wednesday, 20 Nov 2013, 09:00 - 10:15, Jupiter 8

The internet of everything is a key theme that is quickly becoming one of the hottest topics amongst the global communications community. It is at the center of convergence of ICT and traditional communications in otherwise unconnected verticals. As much as the consumer market is the darling of today, the B2B, B2C, G2B and G2C connections of tomorrow in the form of IoE will be the future. Less than 1% of the potential trillions of devices and sensors are connected today. Our challenge as an industry will be to enable the connection of the future with sound business goals that benefits society on a secure and reliable platform.

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**Moderator**

[Mr Stuart Carlaw](#), Chief Research Officer, ABI Research, United Kingdom

**Panellists**

[Mr Jean-Pierre Bienaimé](#), Chairman, UMTS Forum, France  
[Mr Ling Shao](#), Distinguished Engineer and the Chief Technology Officer for wireless and Internet of Thing, IBM Research, China  
[Mr Macario Namie](#), Vice President - Marketing, Jasper Wireless, United States  
[Mr Robert Pepper](#), Vice President, Global Technology Policy, Cisco Systems, Inc., United States  
[Mr Robert P. Swinnen](#), VP, Sales & Marketing Group, General Manager Service Provider Group, Intel Corporation, United States

**MRC : Education Transformation: Importance of ICT in 21st Century Education**

Wednesday, 20 Nov 2013, 09:00 - 10:15, Jupiter 4+5

Today's students live in a world of global competition, technology-fuelled innovation, and rapid change that requires new skill-sets such as problem solving, collaborative learning, and critical thinking. The integration of Information and Communications Technologies (ICTs) in the teaching and learning process helps the acquisition of these new skills, in and out of the classroom. In this session ministers of ICT, ministers of communications, government officials and industry partners debate the importance of accelerating ICTs to transform education, discuss the barriers that need to be overcome and present key learnings from their own experiences. How can we best take advantage of successful technology implementations that have promoted 21st century learning and promoted thriving communities around the world?

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**Moderator**

[Prof. Tim Unwin](#), Secretary General, Commonwealth Telecommunications Organisation, United Kingdom

**Opening**

#### Remarks

[Mr Brahima Sanou](#), Director of The Telecommunication Development Bureau, BDT, International Telecommunication Union, Switzerland

#### Panellists

[Mr John E. Davies](#), Vice President, Intel World Ahead Program, Intel Corporation, United States

[His Excellency Mr Ivo Ivanovski](#), Minister, Ministry of Information Society and Administration, The Former Yugoslav Rep. of Macedonia

[His Excellency Mr Binali Yildirim](#), Minister, Ministry of Transport and Communications, Turkey

## WSD : New Opportunities in Voice and Messaging

Wednesday, 20 Nov 2013, 10:15 - 12:15, Jupiter 16

The traditional telephony format for voice is at the end of its life, and a new 'post-telephony' era is beginning. Understanding this opportunity space is vital: industry initiatives like VoLTE and RCS offer little new value, while premium margins are rapidly eroding due to regulation, competition and arbitrage from 'over the top' (OTT) service providers.

Join us to explore the drivers of user value for voice, as well as key future enabling technologies: going off-network with 'telco-OTT' services; extending web integration with WebRTC; and raising productivity using Hypervoice. We will also address the practical challenges to adoption, and identify key ecosystem partners.

Please click on the link below if you would like to sign up for this session:

<https://itu.vcfeedback.com/Start/2f485cdf-5ee4-41ba-9fcd-84a04f4f15d1>

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#### Facilitator

[Mr Martin Geddes](#), Founder, Martin Geddes Consulting, United Kingdom

[Mr Dean Buble](#), Founder and Director, Disruptive Analysis, United Kingdom

## PSD1 : Education Transformation: From Vision to Action

Wednesday, 20 Nov 2013, 10:45 - 12:15, Jupiter 8

No matter the vision for a good educational system, there isn't a single action that makes it a reality. Transforming education to meet actual global competition is a complex change requiring strong leadership from Government, both top-to-bottom and cross-functional, as well as public private partnerships with a variety of ecosystem partners, including technology infusion coupled with the right training for teachers. What can we learn from actual national and regional educational transformation projects?

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#### Moderator

[Mr Brian Gonzalez](#), Director, Global Education Programs, Intel Corporation, United States

#### Panellists

[Ms Alicia Banuelos](#), Former Head of University of la Punta, Chief Strategist Education Transformation Programs, Argentina

[Mr Mario Coronado](#), Director, Fundación Telefónica Perú, Peru

## PSD2 : Mobile Technology and Productivity in the Enterprise

Wednesday, 20 Nov 2013, 10:45 - 12:15, Jupiter 9

Mobile Apps have the potential to transform the way people do business, making workforces more mobile, responses instantaneous and giving large volumes of people access to back office data through BYOD. A mobile first approach to business processes and design can take user experience to another level inside the enterprise and solve real business problems. Mobile interfaces provide detailed insights and analytics never before seen on any device or interface. What insights can be learned from consumer centric user experience to engage employees and the workforce?

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#### Moderator

[Mr Chris Gabriel](#), Former CEO, Zain Africa, Australia

#### Panellists

[Mr Luke Harvey-Palmer](#), Chief Executive Officer, Alive Mobile Group, Australia

[Mr Peter Mercieca](#), Partner, Technology Media & Telecommunications, KPMG, Australia

[Mr Daniel Rosenne](#), Chairman, Tadiran Telecom Communications Services, Israel

## PSD3 : How can World Citizens Ensure their Privacy in a Digital World?

Wednesday, 20 Nov 2013, 10:45 - 12:15, Jupiter 10

Interconnected electronic devices and applications are collecting a multitude of information on individual citizens. Everything from where you are and have been, who you have ever communicated with, when you are active, how you spend your time and what your interests and personal preferences are.

This information is now being collected and analysed by business and governments. This session tries to answer the questions:

- What should citizens do and what are their 'rights'?
- What should be the role of Government and Business?
- How should we ensure this in laws and international standards?

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**Moderator**

[Mr Charles Brookson](#), Director, Azenby, United Kingdom

**Panellists**

[Mr Clément Charles](#), Founder & Chief Executive Officer, AllTheContent.com, Switzerland

[Mr Timothy S. Ellam](#), Partner, McCarthy Tétrault LLP, Canada

[Ms Adriana Nugter](#), Independent Advisor, Belgium

[Mr Patrick Walshe](#), Director, Privacy, Government & Regulatory Affairs, GSMA, United Kingdom

## SSD : The Internet of Everything based on IPv6

Wednesday, 20 Nov 2013, 10:45 - 12:15, Openspace WS1

Networking people, processes, data, and things into an all-embracing internet will, in the next 10 years, generate a value over \$14 trillion, touching all sectors of the economy. A fully "Internet of Everything" world will be more relevant and valuable than ever before, turning raw information into knowledge and creativity into practical innovations. An unprecedented opportunity lies ahead of us for businesses, individuals, and society.

The size of the digital data universe keeps on showing an exponential increase. Under the expressions big data and open data, lies an immense data mine, waiting to be exploited like the first man-made oil. The technology that will make this larger-scale communication of all of these objects and data is the new Internet Protocol version 6 (IPv6).

Use cases for the IoE include smart grid, smart buildings, connected healthcare and patient monitoring, smart factories, connected education, smart transportation, connected marketing and advertising, smart environment and agriculture, and connected gaming and entertainment.

In this panel IPv6 pioneers from the Asian region debate the transformational and life-changing economic and societal impacts of the IoE.

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**Moderator**

[Mr Latif Ladid](#), Founder & President, IPv6 Forum, Luxembourg

**Panellists**

[Mr Hiroshi Esaki](#), Executive Director, IPv6 Promotion Council, Japan

[Dr Sinchai Kamolphiwong](#), President, IPv6 Forum Thailand, Thailand

[Mr Nguyen Manh Thuan](#), Member, IPv6 Forum Vietnam, Viet Nam

[Prof. Sureswaran Ramadass](#), Director, National Advanced IPv6 (Nav6), Malaysia

[Mr Valens Riyadi](#), President, IPv6 Forum Indonesia, Indonesia

[Mr Sébastien Ziegler](#), President & CEO, Mandat International, Switzerland

## PSE1 : Education Transformation: Financing e-Learning Programmes

Wednesday, 20 Nov 2013, 14:15 - 15:45, Jupiter 8

Using technology to improve access to quality education is a must for the 21st century but the crucial question is how to fund such critical and multidisciplinary projects. Transforming and adapting education to the new challenges should be approached as a strategic investment for a country and their citizens. It's the government's responsibility to catalyze internal resources and collaborate with private industry to make it happen. How have ministers, regulatory bodies, government officials and private companies innovated successfully to implement national and regional educational transformation projects?

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**Moderator**

[Mr Carlos Martinez](#), Global Director Service Providers in Developing Economies, Intel World Ahead Group,, Sales and Marketing, Intel Corporation, United States

## PSE2 : Lions go Digital - The Economic Impact of the Internet on the African Continent

Wednesday, 20 Nov 2013, 14:15 - 15:45, Jupiter 9

It is estimated that the Internet contributed in the region of US\$15 to GDP in 2012 across 14 African countries – South Africa, Egypt, Nigeria, Kenya, Algeria, Morocco, Angola, Ghana, Senegal, Tanzania, Cameroon, Ivory Coast, Mozambique and Ethiopia. Private consumption is the main driver while public expenditure, company expenditure and investment lag more developed countries and the trade balance is negative. This session looks at the successes and opportunities for growth, as well as the maturity of the Internet ecosystem across the sample countries. It outlines the role that different stakeholders (governments, policy makers and business leaders) can play in growing the economic impact of the Internet in Africa.

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**Moderator**

[Mr Saffoadu Yeboah-Amankwah](#), Director and leader, McKinsey's Business Technology Practice, McKinsey, South Africa

**Panellists**

[Dr Brian Armstrong](#), Chief Operating Officer, Telkom SA, South Africa

[Mr Paul Kukubo](#), Former CEO of ICT Board in Kenya, CEO, East Africa Exchange, Rwanda

[Mr Yon Moreira da Silva Junior](#), DG and CEO, Movitel, Angola

[Mr Andile Ngcaba](#), Executive Chairman, Dimension Data, South Africa

## PSE3 : Protecting the Individual in a Growingly Connected World of Big Data

Wednesday, 20 Nov 2013, 14:15 - 15:45, Jupiter 10

Given the maturing of social networking, combined with the power of computing devices and reduced costs of our communications networks, we now see clearly that our individual information is collected and used, with or without our knowing consent. Issues as complex as this require very careful consideration from all impacted stakeholders. There is a growing body of evidence that indicates some societal benefits have been achieved by harnessing Big Data. On top of this in a global digital community, we need to be clear about whose rules apply to whom. The balance must be understood. What should stakeholders such as regulators and legislators do differently?

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### Moderator

**Mr Andy Haire**, Principal, AJH Communications, United States

### Panellists

**Mr Harm Jan Arendshorst**, Head of Identity and Privacy Services EMEA, Verizon Enterprise Solutions, Netherlands

**Mr Daniel Cooper**, Partner, Covington & Burling LLP, United Kingdom

**Mr Stephen Kerwick**, Vice President, Asia Pacific, comScore, United States

**Mr Keng Thai Leong**, Chairman, Personal Data Protection Commission, Singapore

**Prof. Viktor Mayer-Schönberger**, Professor of Internet Governance and Regulation, Oxford Internet Institute, United Kingdom

## MLE : Meet a Leader

Wednesday, 20 Nov 2013, 14:15 - 15:15, Workspace 2

As the profitability of voice services continues to decrease, telcos have invested massively in value-added services (VAS) such as IPTV, VoD, OTT apps, mobile services or web portals - but with often disappointing results. How can telcos change focus and funnel investment in VAS services to an updated, winning strategy? Telcos are being challenged by OTT messaging services and social networking apps that are disrupting the telecommunications industry and cannibalizing its revenues - in many areas the new digital landscape is now dominated by OTT players. How are telcos responding? What can be learned from the reactions of operators and the experience of media companies? And what are the most important new technological developments underpinning future VAS?

Please click on the link below if you would like to sign up for this session:

<https://itu.vcfeedback.com/Start/014e6699-f112-4016-b31b-a96d00625b4d>

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### Expert

**Mr Dean Bubley**, Founder and Director, Disruptive Analysis, United Kingdom

**Mr Clément Charles**, Founder & Chief Executive Officer, AllTheContent.com, Switzerland

**Mr Colin Miles**, VP of Corporate Marketing, InternetQ PLC & Chairman, MEF Asia, Singapore

## PSF1 : Education Transformation: Content that Matters

Wednesday, 20 Nov 2013, 16:15 - 17:45, Jupiter 8

Studies report that broadband-enabled technologies can improve the effectiveness of instruction and enhance learning outcomes. That requires 21st century students to be sophisticated consumers, interpreters and users of content. Schools need to equip students with a new skill set that enables them to better compete in the digital era. Content plays a key role in the new teaching and learning environment. According to the studies, broadband is not a panacea for education reform but is an essential vehicle for delivering content and tools that can be used to spur student engagement, enhance learning outcomes, facilitate collaboration and innovation among educators, and enable cost savings in the administration of education. How must the traditional educational content evolve to meet the new requirements of the digital era and help students acquire 21st century skills?

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### Moderator

**Mr John Galvin**, Vice President, Sales and Marketing Group & General Manager, Intel World Ahead Program, Intel Corporation, United States

### Panellists

**Mr Scott Kinney**, Senior Vice President, Discovery Education, United States

**Mr Terry Nealon**, Co-Founder and CEO, Fishtree, Ireland

**Mr Antoine Theyssset**, Senior Vice President for Corporate Development, Amplify Education, United States

## PSF2 : Lions go Digital - The Potential Transformative Impact of the Internet and Technology on the African Continent

Wednesday, 20 Nov 2013, 16:15 - 17:45, Jupiter 9

Affordable technologies can help to accelerate the way Africa addresses a number of socio-economic challenges. Digitization can yield "leapfrogging" effects that can disrupt current value chains, transforming the way Africans access or use services. What benefits do such "leapfrogging" effects bring? This session examines the potential transformative impact on three sectors: Financial services, Retail and Healthcare, highlighting the successes and many interesting experiments that are being conducted. It goes further to discuss what actions need to be taken for some of these experiments to reach scale and truly transform lives.

#### Moderator

[Mr Armando Cabral](#), Director and Leader of Angolan Practice, McKinsey, Angola

### PSF3 : From Voice to Data to Cloud: Transitioning the Telco Business Model

Wednesday, 20 Nov 2013, 16:15 - 17:45, Jupiter 10

The world of texts and telephony brought a huge global telecoms boom. The broadband business has proven less kind: it has allowed arbitrage of these core revenue streams by over the top services, and has not delivered the hoped-for profitability. Differentiation is weak, and returns from many operators barely cover their cost of capital. Is this situation sustainable for fixed and mobile operators? Are we delivering fit-for-purpose services to users? What are the best tactical and strategic responses to OTTs? Can the oncoming world of cloud services restore the previous vibrancy we saw with voice and messaging?

#### Moderator

[Mr Martin Geddes](#), Founder, Martin Geddes Consulting, United Kingdom

### SSF1 : Mobile Security Challenges and Policy in the ASEAN Community: Consumer Protection Perspectives - Sponsored by NBTC

Wednesday, 20 Nov 2013, 16:15 - 17:45, Openspace WS1

As the world becomes more interconnected, integrated and intelligent, mobile broadband is playing an ever-increasing role in changing the way people live, work and communicate. This emerging trend brings benefits but also risks and vulnerabilities. The volume and sophistication of mobile attacks is increasing. There is evidence that mobile device malware-viruses, worms, Trojans, spyware-has been on the rise over the past few years because most mobile platforms do not yet have native mechanisms to detect malware. Malware threats have an impact on personal losses, corporate costs and economic damages, including national reputation and credibility. Therefore, the security of mobile devices and networks has become a top concern at corporate, industrial, national and international levels. Governments and regulators have an important role to cope with mobile security challenges that have been arising. However, close international cooperation is required in order to effectively combat cyber security threats. This session will discuss the consumer protection perspectives of the ASEAN Community which will incorporate and share common policies on mobile security by 2015.

#### Special Keynote

[Air Chief Marshal Thares Punsri](#), Chairman, National Broadcasting and Telecommunication Commission (NBTC), Thailand

#### Moderator

[Prof. Jirayuth Mahattanakul](#), Director, Graduate School of Electrical Engineering, Mahanakorn University of Technology

#### Panellists

[Mr Mohd Noor Amin](#), Chairman, IMPACT, Malaysia

[Mrs Surangkana Wayuparb](#), Director, Electronic Transaction Development Agency, Ministry of Information and Communication Technology, Thailand

[Mr John Yong](#), Director, Infocom Security & Assurance, IDA, Singapore

### SSF2 : Resilient ICT for Disaster Relief

Wednesday, 20 Nov 2013, 16:15 - 17:45, Jupiter 16

Information and communication systems were damaged extensively during the Great East Japan Earthquake on March 11, 2011. This failure highlighted their importance as a key aspect of the societal infrastructure. This session, organized by the National Institute of Information and Communications Technology (NICT) of Japan, will provide several perspectives on the challenges for national disaster relief projects in Japan as well as in Thailand.

#### Moderator

[Dr Hiroshi Kumagai](#), Associate Director General of the Resilient ICT Research Center, National Institute of Information and Communications Technology (NICT), Japan

#### Panellists

[Dr Choedchai Khannabha](#), Advisor to NBTC Commissioner, The National Broadcasting and telecommunications Commission (NBTC) of Thailand, Thailand

[Dr Yoshiaki Nemoto](#), Director General of Resilient ICT Research Center, National Institute of Information and Communications Technology (NICT), Jordan

[Mr Atsuhiko Tanaka](#), Senior Manager, NEC Corporation, Japan

[Dr Atsushi Takahara](#), Executive Director of Network Innovation Laboratories, NTT, Japan

[Mr Wataru Takita](#), Executive Research Engineer, NTT DOCOMO, INC., Japan

### VK2 : Telenor: Leapfrogging into a digital future for all

Wednesday, 20 Nov 2013, 18:00 - 18:45, Jupiter 11+12+13

Mobile connectivity and digital communication has become part of our everyday life. Being connected is what enables us to work, to play and to take part in society. Phones not only means freedom, they mean opportunity and growth. Mobile connectivity is not a luxury good for the few - it's a necessity for everyone.

As it prepares its market entry into Myanmar, Telenor Group puts 15 years of experience in Asia to the test. Eager for growth and change, this frontier market aims to leapfrog the mobile development chain and enter the digital age faster than any country's ever done before. This presents a range of opportunities, but also a set of challenges.



In this session, Jon Fredrik Baksaas, President and CEO of Telenor Group, one of the top 10 mobile operators in the world and a leading operator in the Asia region, shares his perspectives on reaching the mass market and enabling emerging nations to leapfrog to an inclusive digital future. A digital future for all.

**Keynote  
Speaker**

**Mr Jon Fredrik Baksaas**, President and Group CEO, Telenor Group, Norway

## Thursday, 21 Nov 2013

### PSG1 : Satellite Broadband Services: Opportunities and Challenges

Thursday, 21 Nov 2013, 09:00 - 10:15, Jupiter 8

Broadband and Ultra-Broadband Satellite Services are experiencing high growth worldwide. Important milestones in North America and Europe are accompanied by interesting initiatives in developing regions such as Asia and Latin America. In particular the Asian region, with its large digital divide, is seeing broadband by satellite services playing an increasingly important role in bridging this divide. But although service offerings are increasing, growth in demand remains low. This panel will address the two sides of the coin faced by the different stakeholders involved: high market potential, with a large volume of the population not reached by terrestrial networks, but also the challenge of reaching these underserved market niches.

**Moderator**

**Mr Pacome Revillon**, CEO and Managing Director, Euroconsult, France

**Panellists**

**Mr Tom Choi**, Chief Executive Officer, Asia Broadcast Satellite, Hong Kong, China

**Mr Osamu Inoue**, Director of the Board and Senior Executive Vice President, Sky Perfect JSAT, Japan

**Mr Leo Mondale**, Managing Director, Inmarsat Global Express, United States

**Mr Roger Tong**, Vice President, Engineering and Operation, AsiaSat, Hong Kong, China

### PSH1 : Grids need to get Smarter than Smart

Thursday, 21 Nov 2013, 10:45 - 12:15, Jupiter 8

Smart grids and super grids are prerequisites to the integration of large-scale renewable energy in the future energy system. The success of the transition towards a sustainable energy system depends to a large extent on how existing and new energy systems fit together. Smart grid processes, integration and business models depend on advanced ICT infrastructure and technologies and their integration, in which smart meters will play a large part. Can current grids cope with the increasing demands placed upon them? How can next generation grids fully support renewable energy, big data, small-scale power generation and other factors that are converging to drive the development of the intelligent grid of the future? Key issues: The world is a patchwork of different implementations. There is an urgent need for standards but how will this be integrated with smart cities and broadband services? " What do municipal utilities expect from next generation smart grids? " Grid stability and security. " The future of energy storage and new technologies such as power-to-gas. " What do we need in terms of innovation? What is the role of the players, business models and regulation?

**Moderator**

**Mr Bosco Eduardo Fernandes**, Former Head of European Smart Grid and Smart Metering Solutions, Huawei Technologies, Germany

### FKH : Gerd Leonhard Futurist Keynote

Thursday, 21 Nov 2013, 10:45 - 12:00, Jupiter 11+12+13

Leading industry experts and executives present their powerful insider perspectives and unique insights on the future direction of the ICT sector and the implications for how we live our lives.

**Keynote  
Speaker**

**Mr Gerd Leonhard**, Futurist and CEO, The Futures Agency, Switzerland

### PSI1 : Smart Mobility - Connecting, Integrating and Commercializing Transportation in a Smarter World

Thursday, 21 Nov 2013, 14:15 - 15:45, Jupiter 8

Personal mobility is key to the success and prosperity of every country's economy. But growing populations in the world's largest conurbations and increasing volumes of traffic are leading to paralysis. By intelligently and dynamically connecting modes of transportation such as cars or public transport, people can quickly and easily use different mobility models as needed to get where they're going. Integrated offers and emerging business models will be key to an emerging ecosystem including operators, vendors, automotive OEMs & tier1s as well as transportation players and internet companies. The panel will examine trends, challenges and success patterns of introducing connected mobility offerings.

**Moderator**

**Mr Carsten Rossbach**, Partner and Head of EU Technology Sector, Roland Berger Strategy Consultants, Germany



#### Panellists

**Mr Masao Fukushima**, Technical Consultant Global Government Affairs Department -, Environmental and Safety Technologies R&D Engineering Management Division, Nissan Motor, Japan

**Mr Md Ridzuan Md Yusof**, Head, Electric Vehicle Project, Proton, Malaysia

**Ms Caroline Reichert**, Head of Mobility, Peugeot Citroën Automobiles, France

## PSI2 : The Impact of Spectrum Options on Device Availability

Thursday, 21 Nov 2013, 14:15 - 15:45, Jupiter 9

Finding spectrum to satisfy the growing demand for mobile data is getting ever more difficult. Timely release of spectrum in the right combination of low and high frequency bands is required to achieve national coverage of both dense urban and rural areas. Policy makers in many countries are therefore looking at allocating Digital Dividend spectrum for mobile broadband. Although a wide variety of spectrum bands has been approved for LTE the availability of commercially viable devices depends on the choice of primary bands in different regions of the world. What is the likely availability of spectrum in the Asian region? Adoption of the APT700 MHz band plan represents a major opportunity for regional and global spectrum harmonization that could deliver the benefits of economies of scale for end-user devices. How does spectrum fragmentation affect device design, availability and the prospects for international roaming?

#### Moderator

**Mr Alan Hadden**, President, GSA - Global mobile Suppliers Association, United Kingdom

#### Panellists

**Mr Goran Berntson**, Director of TDD Industry Development Department, Huawei, Sweden

**Dr Margit Brandl**, Global Head of Telecoms and Trade Policy, Nokia Siemens Networks, Germany

**Mr Luis Lucatero**, Chief of Regulatory Policy, Unidad de Prospectiva y Regulación, Comisión Federal de Telecomunicaciones (COFETEL), Mexico

**Mr Thomas Welter**, Chief Frequency Officer, Société Française du Radiotéléphone (SFR), France

**Mr Mike Wright**, Executive Director Networks & Access Technologies, Telstra, Australia

## WSI : Future of Broadband

Thursday, 21 Nov 2013, 14:15 - 15:45, Workshop

Broadband access is a global success story. Citizens and governments view the "digital economy" as a driver of growth and development. This means broadband is now a part of the critical national infrastructure. Yet (according to PwC) the telecoms industry has failed to cover its cost of capital in the past decade. Too many resources are required, for too little value created. So why is there an infrastructure sustainability crisis? The race to be first to market with each technology generation has resulted in a fixation on peak bandwidth. This has created a supply-led industry that is both inefficient and ineffective. Operators are creating costly capacity which fails to deliver sufficient impact on user experience. Meanwhile, users find broadband services lack dependability, which limits their utility and stifles the growth of new applications. What is of value is not a supply of bandwidth, but rather fit-for-purpose services that meet users demand for successful application outcomes. Join the world's leading network performance engineering team to learn how a demand-led industry can put broadband back onto a sustainable growth path. Using case studies, we will describe the changes to network design, marketing and operations that lead to future success.

Please click on the link below if you would like to sign up for this session:

<https://itu.vcfeedback.com/Start/210b549e-1300-46a1-82f8-d85dbd753036>

#### Facilitator

**Mr Neil Davies**, Founder and Chief Scientist, Predictable Network Solutions, United Kingdom

**Mr Martin Geddes**, Founder, Martin Geddes Consulting, United Kingdom

## PSJ1 : Balancing Competition and Subsidies in Broadband Promotion

Thursday, 21 Nov 2013, 16:15 - 17:45, Jupiter 8

The positive impacts of broadband for national economies are well known. Governments around the world are focusing on broadband promotion. What is the role of competition, the primary driver of the mobile voice success story? Are the subsidies that are being deployed as elements of the strategies efficient? What is the appropriate balance between infrastructure deployment and stimulation of demand? A range of country experiences as well as the possibility of "leapfrogging" to broadband deployment in countries with low overall connectivity such as Myanmar will be discussed.

#### Moderator

**Dr Rohan Samarajiva**, Founding Chair and CEO, LIRNEasia, Sri Lanka

#### Panellists

**Mr Pham Hong Hai**, Director General, Viet Nam Telecommunications Authority (VNTA), Viet Nam

**Mr Tsuyoshi Kawashima**, President and CEO, NTT Communications, Thailand

**Ms Helen Lai**, Head of Regulatory Division, Office of the Communications Authority (OFCA), Hong Kong, China

**Mrs Suvi Lindén**, ITU Special Envoy to the Broadband Commission for Digital Development, Government of Finland - Former Minister of Communications, Finland

**Mr N. Ravi Shanker**, Administrator USOF, Department of Information Technology, Ministry of Communication and Information Technology, India

## PSJ2 : Mobile Cloud Networks

Thursday, 21 Nov 2013, 16:15 - 17:45, Jupiter 9

Innovative services and products over the next decade will be strongly driven by cloud computing technologies. Research communities on cloud technologies will need to address challenges such as radio access in the cloud, new opportunities for sharing of infrastructure, open source, SDN (software defined networks), new CDN (content delivery networks), and ICN (information centric networks). Globally, green requirements, performance and scalability studies and related impacts on policy, regulation and standardisation will also need to be addressed. Telecommunication networks need to be prepared for the requirements coming from cloud services, transporting the corresponding information in an effective and efficient way. The cloud concept is being brought into network architectures, by introducing virtualisation into all signal processing and information storage in the networks, and the service provision concept as a replacement for current network node functionalities. Game developers, network operators, OTT content providers and community operators will have a big role to play in these new paradigms. A broad view will be taken, addressing perspectives of innovation, standardisation, business models, implementation, roadmap, and so on.

### Moderator

**Dr Thomas Michael Bohnert**, Senior Research Scientist, Zurich University of Applied Sciences, Switzerland

### Panellists

**Prof. Luis M. Correia**, Associate Professor, Instituto Superior Técnico - Technical University of Lisbon, Portugal

**Mr Neil Davies**, Founder and Chief Scientist, Predictable Network Solutions, United Kingdom

**Mr Latif Ladid**, Founder & President, IPv6 Forum, Luxembourg

**Mr Peter Riedel**, Executive Vice-President, Rohde & Schwarz, Germany

**Dr Masao Sakauchi**, President, NICT, Japan

## PSJ3 : The Spectrum Struggle in Asia: Technological Convergence Challenges to the Satellite Industry

Thursday, 21 Nov 2013, 16:15 - 17:45, Jupiter 10

The Asian region offers the biggest market opportunities for most telecommunications stakeholders worldwide, with room for all types of networks and services: fixed, mobile, satellite, and broadcasting. But all of them are eagerly looking for new spectrum to provide such services. The satellite sector is fully involved in these discussions, as specified on the Agenda of WRC-15. This panel will provide the opportunity for an enriching exchange of views among satellite operators to envisage how they could handle the search for new spectrum for their services, and manage the competition from other services for it, vis a vis WRC-15 and the future of relevant bands: C, X, Ku, Ka, and beyond.

### Moderator

**Mr Stéphane Chenard**, Associate Senior Consultant, Euroconsult, France

### Panellists

**Mr Rick Abbasi**, Senior Product Marketing Director - Network Services & Regional CSE Director, Asia Pacific, Intelsat Singapore, Singapore

**Dr Ali R. Ebadi**, Member of ITU Radio Regulation Board (RRB) and Advisor to the MEASAT Board, MEASAT Teleport and Broadcast Centre, Malaysia

**Mr David Hartshorn**, Secretary General, Global VSAT Forum, United Kingdom

**Mr Andrew Jordan**, Executive Vice President Strategic Projects, Eutelsat Asia, France

**Mr Kian Soon Lim**, Head of Satellite, SingTel, Singapore

**Mr Ekachai Phakdurong**, Vice President - Corporate Affairs, Thaicom, Thailand

**Mr Fahai Yao**, Deputy General Manager and Vice President, China Satellite Communications Co.,Ltd, China

## Friday, 22 Nov 2013

### PSK1 : Telecoms Innovation is Going Over the Edge ... is it Time to Pivot?

Friday, 22 Nov 2013, 09:00 - 10:15, Jupiter 8

The language we use defines the horizons of our imagination. The telecoms industry places a myopic focus on "coms" in its business model. It's time to shift mindsets from the delivery of "coms" to enabling the true definition of "tele". From an innovation perspective, the industry is defining its offering too narrowly; it is about "digital engagement at or over a distance". It must pivot to serve the broader tele-consumer and tele-enterprise needs - to engage in relationships, learning, services and commerce across physical and virtual boundaries.

### Moderator

**Mr Steve Bell**, President, KeySo Global, United States

### Panellists

**Mr Jeffery Heenan Jalil**, VP and Global Head of Telecom Equipment Vendor Vertical, Wipro Technologies, India

**Mr Charles M. Matondane**, Head of Internet and Value Added Services, Vodacom Tanzania, Tanzania

**Dr Ali Jazairi**, Head of Innovation and Technology Transfer Section, World Intellectual Property Organization, Switzerland

### MRK : Digital Dividend

Friday, 22 Nov 2013, 09:00 - 10:15, Jupiter 4+5

The transition from Analogue to Digital TV, with higher spectrum efficiency, permits a significant reduction in the amount of spectrum required for terrestrial broadcasting. In response to the exponential traffic growth associated to the use of smartphones, this "digital dividend" is generally allocated to mobile services. In relation to this major evolution in spectrum use, key questions arise for regulators and governments, in particular:

- How to best realize the transition from analogue to digital TV?

- How to ensure timely reallocation of spectrum to mobile services in order to promote broadband access to all?
- How to benefit from economies of scale in worldwide roaming through the adoption of international spectrum harmonization?
- How to deal with TV White Spaces, during and after the transition to digital TV? How best to use them in promoting broadband for all?

The debate should also address the way in which international regulations (in particular those that may arise from WRC-15 decisions) may assist in addressing these challenges.

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#### Opening Remarks

[Mr François Rancy](#), Director of the Radiocommunication Bureau, International Telecommunication Union, Switzerland

### PSL1 : Back to the Future: what the Digital Back-Office Must Deliver

Friday, 22 Nov 2013, 10:45 - 12:15, Jupiter 8

The digital landscape will evolve over the coming years with significant implications for service provider IT. What strategies are major service providers pursuing in terms of centralisation, virtualized services and cloud? What are the key business models and digital services to watch and what will these services demand from IT? Where must the industry collaborate if it is to be part of an open, vibrant digital world?

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#### Moderator

[Mr Tony Poulos](#), Market Strategist, TM Forum, Thailand

#### Panellists

[Mr Pat McCarthy](#), Head of OSS/BSS Solutions Marketing, Ericsson, Germany

[Mr Chari TVT](#), Chief Financial Officer, Celcom Axiata Berhad, Malaysia

[Mr Vyas Varma](#), VP, Global Media and Telecom Strategic Business Unit, Wipro Technologies, India

### PSL2 : Spectrum for the Future

Friday, 22 Nov 2013, 10:45 - 12:15, Jupiter 9

The pressure on spectrum resulting from the exponential growth of mobile services raises a number of challenges for governments and regulators, who are in charge of managing spectrum. In particular:

- How to balance the spectrum requirements of government and commercial services in order to achieve a sustainable use of spectrum?
- How to balance the spectrum requirements of licence exempt (e.g. wifi) and licensed services (e.g. mobile networks) to promote the widest development of broadband services at an affordable price?
- How to balance the spectrum requirements of terrestrial and space services?
- How to promote the use of more spectrally efficient technologies without disrupting existing investments?

The debate will also address the way in which international regulations (in particular those that may arise from WRC-15 decisions) may assist in addressing these challenges.

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#### Moderator

[Mr François Rancy](#), Director of the Radiocommunication Bureau, International Telecommunication Union, Switzerland

#### Panellists

[Mr Paul Brown-Kenyon](#), Chief Executive Officer, MEASAT, Malaysia

[Mr Sergy Pastukh](#), Vice-chair ITU-R SG1 - Spectrum Management, Radio Research and Development Institute (NIIR), Russian Federation

[Mr Peter Pitsch](#), Executive Director Communications Policy and Associate General Counsel, Intel Corporation, United States

### PSL3 : Funding and Pricing of Next Generation Broadband Networks

Friday, 22 Nov 2013, 10:45 - 12:15, Jupiter 10

National fibre and LTE networks are being rolled out in a number of jurisdictions; in others the debate rages as to how such networks should be funded, and how much consumers are prepared to pay for faster broadband services. This session discusses how those issues have been addressed in a number of jurisdictions, with models ranging from state funded and operated networks through to privately funded infrastructure investment.

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#### Moderator

[Dr Ross Patterson](#), Partner, Akhet Consulting, United Arab Emirates

#### Panellists

[Mr Luigi Gambardella](#), Vice President Relations with International Institutions and Organizations, Public and Regulatory Affairs, Telecom Italia, Italy

[Dr Leonidas Kanellos](#), BEREC Chair 2013 and President, Hellenic Telecommunications & Post Commission (EETT), Greece

[Mr Jaume Salvat](#), Founder & Partner, Aggaros, Andorra

[Mr Kamal Sameer Shehadi](#), Chief Legal and Regulatory Officer, Etisalat Group, United Arab Emirates

### PSM1 : Squeezing Spectrum

Friday, 22 Nov 2013, 13:30 - 15:00, Jupiter 8

Continuing penetration of smart mobile devices and applications has led to "squeezing spectrum" and the industry has developed various solutions to alleviate intensifying spectrum needs. For example, equipment players are developing new products such as small cells, some operators are pushing for network/spectrum sharing and WiFi offloading, and regulatory bodies are reviewing the use of new spectrum bands. In this session, we will explore regulatory and commercial implications of these solutions (vs. technology characteristics) on the future network architecture.

**Moderator**

[Mr Laurent Yoon](#), Associate Principal, McKinsey, Korea (Rep. of)

**PSM2 : Delivering Broadband to Rural Areas**

Friday, 22 Nov 2013, 13:30 - 15:00, Jupiter 9

There are many technologies available to provide rural areas with broadband access to the global ICT network and its services. What are the most appropriate ones to enable rural areas around the world to use the advantages of broadband access in a cost efficient and reliable way? What are the regulatory and commercial implications of different technology options? How can the potential barriers of spectrum, funding and project management best be addressed?

**Moderator**

[Ms Laina Greene](#), Executive Director and Chief Strategy and Investment Officer, IBS Tower, Indonesia

**Panellists**

[Dr Bruce Gracie](#), TSAG Chairman & Special Advisor, International Organizations, Industry Canada, Canada

[Mr Alan Horne](#), Chief Executive Officer, Broadband Pioneer, United Kingdom

[Mr Areef Kassam](#), Director - Board of Directors, Energize the Chain, United States

[Mr Janez Ori](#), Chief Technology Officer, Iskratel, Slovenia

[Ms Nur Sulyna Abdullah](#), Director, International Affairs, Malaysian Communications and Multimedia Commission, Malaysia

[Mr Mark Summer](#), Co-founder and Chief Innovation Officer, Inveneo, United States

**PSM3 : Cooperative Creation of Global Standards**

Friday, 22 Nov 2013, 13:30 - 15:00, Jupiter 10

The time has come to establish the conditions for true cooperative creation of global standards in telecommunications in order to cope on time and efficiently with the challenges raised by ever faster developments in ICT technologies and innovative services. The panel will try to define the most appropriate platform for such cooperation which will enable and guarantee a sustainable functioning of the global as well as local telecommunication networks and services.

**Moderator**

[Dr Marko Jagodic](#), Advisor to the Director General, ISKRATEL, Slovenia

**Panellists**

[Dr Amr Badawi](#), Board Member, National Telecom Regulatory Authority (NTRA), Egypt

[Dr Asok Chatterjee](#), Executive Director, DSTI, India

[Mr Tony Gray](#), Chairman, TCCA Critical Communications Broadband Group (CCBG), Germany

[Mr Malcolm Johnson](#), Director, Telecommunication Standardization Bureau (TSB), International Telecommunication Union (ITU), Switzerland

[Mr Chae-Sub Lee](#), Chairman, ITU Study Group 13, ETRI, Korea (Rep. of)

**PSN1 : Many Faces of Mobile Financial Services**

Friday, 22 Nov 2013, 15:15 - 16:45, Jupiter 8

Being connected at all times in all places with practically everybody and everything has many implications in our lives. It makes digitalisation of our lives possible, practical and profound. Through that it shakes the established value chains and moves power from existing players to potential new players. Financial services are no exception to that trend. This session will examine to what extent the ubiquity of communications has already changed financial services and the way they are consumed, and what is expected in the future.

**Moderator**

[Mr Marko Jagodic Jr.](#), Director - Service Network, Telekom Slovenia, Slovenia

**Panellists**

[Mr Jon Eddy Abdullah](#), Chief Executive Officer, Total Access Communication PLC (dtac), Thailand

[Dr Eugene Juwah](#), Executive Vice Chairman/CEO, Nigerian Communications Commission (NCC), Nigeria

[Mr Alexander Rusli](#), President Director and CEO, PT Indosat Tbk., Indonesia

**PSN2 : Multimedia over Multiple Media: Convergence in Broadband Access**

Friday, 22 Nov 2013, 15:15 - 16:45, Jupiter 9

Up to now, operators have been largely engaged in the incremental improvement of their existing facilities, with systems like DSL and DOCSIS. Some operators have taken the plunge to deploy an entirely new network (fiber) to achieve greater access speeds. Presently, there are several efforts to design a new kind of access network that uses fiber and copper or wireless together. This synergistic combination is hoped to make true broadband more affordable and accessible. This panel will discuss the issues that arise from this trend.

Moderator

Dr Frank J. Effenberger, Rapporteur of optical access group, ITU-T SG-15, United States

Panellists

- Mr David Lewin, Director, Plum Consulting, United Kingdom
- Dr Debajyoti Pal, Senior Vice President and CTO, Ikanos Communications, United States
- Mr Duane Remein, Director, Access R&D, Huawei, United States
- Dr Helmut Schink, Head of Industry Environment Telco Standards, Nokia Siemens Networks, Germany
- Mr Thomas Wiegand, Head, Image Processing Department, Fraunhofer Heinrich Hertz Institute, Germany

PSN3 : The ITU: Discovering a New Relevance in a Multi-Stakeholder World - The Lessons of WCIT 2012

Friday, 22 Nov 2013, 15:15 - 16:45, Jupiter 10

WCIT 2012 re-assessed the needs of formal international regulation in the midst of free market forces which had grown up over the preceding 24 years. The outcomes left some valuable pointers to the future opportunities for the ITU in moving to the next phase of its evolution in serving its membership and building on its strengths. An important watershed event will be the Plenipotentiary Meeting in 2014 where construction of a new relevance can begin.

Moderator

Dr Bob Horton, Board Member, NICTA, Papua New Guinea

Panellists

- Mr Mohamed Nasser Al Ghanim, Director General, Telecommunications Regulatory Authority (TRA), United Arab Emirates
- Dr Richard C. Beaird, Senior International Policy Advisor, Wiley Rein, United States
- Mr Lih Shiun Goh, Country Lead, Policy and Government Affairs (Southeast Asia), Google, Thailand
- Prof. Viktor Mayer-Schönberger, Professor of Internet Governance and Regulation, Oxford Internet Institute, United Kingdom
- Prof. Tim Unwin, Secretary General, Commonwealth Telecommunications Organisation, United Kingdom

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