

WORLD TELECOMMUNICATION STANDARDIZATION ASSEMBLY



**wtsa16**  
TUNISIA

25 OCTOBER - 3 NOVEMBER  
HAMMAMET, TUNISIA

# **WTSA TIME-PLAN, SIDE EVENTS & AGENDAS**



# Setting the standard



The 2013-2016 study period has seen key results achieved in standardization areas characterized by ITU leadership, and ITU members have taken bold steps towards ensuring that ITU-T is well-positioned to serve emerging standardization demands. WTSA-16 will consolidate the progress that we achieved over the past four years, refining the strategic direction and structure of ITU-T to support the next phase of innovation in information and communication technology (ICT).

## *ITU leadership in standardization for an interconnected world*

ITU-T is a renowned centre of excellence in standardization for transport and access networking. ITU members have completed a set of highly anticipated broadband access technologies in G.fast, a new broadband standard capable of achieving up to 1 Gbit/s access speeds over traditional telephone wires; as well as 40-Gigabit-capable Fibre to the Home, the first series of standards to provide fibre-optic access speeds beyond 10 Gbit/s. ITU members also boast a major recent achievement in the revision of a key ITU standard underlying the Optical Transport Network, concluding a three-year process to enable optical transport at rates higher than 100 Gbit/s.

ITU H.265 'High Efficiency Video Coding' – the successor to the Primetime Emmy award-winning ITU H.264 'Advanced Video Coding' – offers double the compression power of H.264 provide the platform for the next decade of innovation in video. A new standard defining the requirements for high-quality 4G mobile communications has joined ITU's portfolio of standards to assist operators in their work to offer services of the quality necessary to attract and retain customers in today's competitive business environment.

We have achieved considerable progress in our efforts to provide an enabling environment for ICT standardization to support the convergence of technologies and industry sectors. Concepts rooted in data-centre networking are moving into the telecoms industry at an extraordinary pace, and new ITU standards in areas such as software-defined networking are easing the migration to new ways of networking. The wide array of industry sectors now in demand of ICT standards has drawn great value from ITU, with new standards agreed in areas such as e-health, smart grid and intelligent transport systems.

Our recent achievements in increasing the capacity and intelligence of ICT networks and devices, as well as our successes in building cooperation between various vertical sectors, have established a strong basis to support the next five years of ICT innovation.

Our technical standardization work in these and other high-priority domains will receive strong support from the leading role that ITU plays in crafting the policies that govern the interplay of standards and intellectual property rights. ITU standardization work on economic and policy issues relevant to international communications will also make an essential contribution to ensuring that technical developments of coming years are supported by innovation in overarching policy frameworks.



#ITUWTSA



# Setting the standard



## ***WTSA-16 to fortify the globally inclusive ITU standardization platform***

Standardization is a tool that offers vital assistance to ICT development. Bringing cohesion to the unceasing innovation of the ICT community, international standards provide an equitable basis for ICT development worldwide. The task of WTSA-16 is to ensure that ITU provides its members with a standardization toolkit optimized to assist government and industry in achieving their ambitions for year 2020 and beyond.

The principles underlying the ITU standardization process ensure that all voices are heard, that our standards efforts do not favour particular commercial interests, and that resulting standards have the consensus-derived support of the diverse set of stakeholders that comprise the ITU membership. This inclusivity of ITU's standardization platform – supported by our Bridging the Standardization Gap programme – will assist in offering all the world's countries equal opportunity to benefit from the ICT advances to be achieved in the approach to year 2020. In 2016, the number of texts approved will very likely surpass 400, making 2016 the year that produced the most ITU-T standards since the year 2000 when we started measuring these data. I am certain that we will see the inclusivity and efficiency of this platform fortified by the decisions of WTSA-16.

## ***The approach to 2020: Trusted information infrastructure for 5G, IoT and smart cities***

The years approaching 2020 will be a pivotal period in the development of the global ICT ecosystem. We will see 5G systems beginning to take shape, and investments in long-lived urban infrastructure will incorporate investments in ICTs to build IoT-enabled smart cities. ITU is supporting the ICT community in its work to create a post-2020 environment where we will all have access to affordable, reliable communications; where highly-reliable ICTs will be core to innovation in all industry sectors.

Our Focus Group on IMT-2020 (5G) has undertaken a preliminary study into the wireline networking innovations required to support the ambitious performance targets of 5G systems. The formation of the new ITU-T Study Group 20 has contributed to the consolidation of over 10 years of ITU activity in IoT standardization and the group's work targeted towards smart cities will provide valuable stimulus to this key IoT application area. ITU members are also engaged in a new standardization effort to define the principles of a trusted ICT environment, one that will be integral to the achievement of our priorities in the spheres of 5G, IoT and smart cities.

***Dr Chaesub Lee***

**Director, Telecommunication Standardization Bureau, ITU**



**#ITUWTSA**



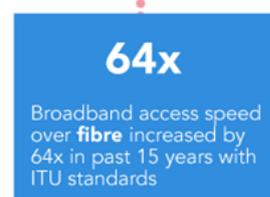
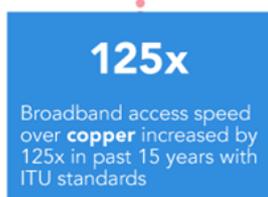
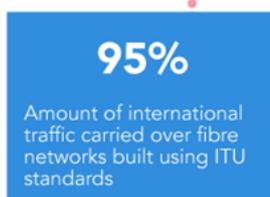
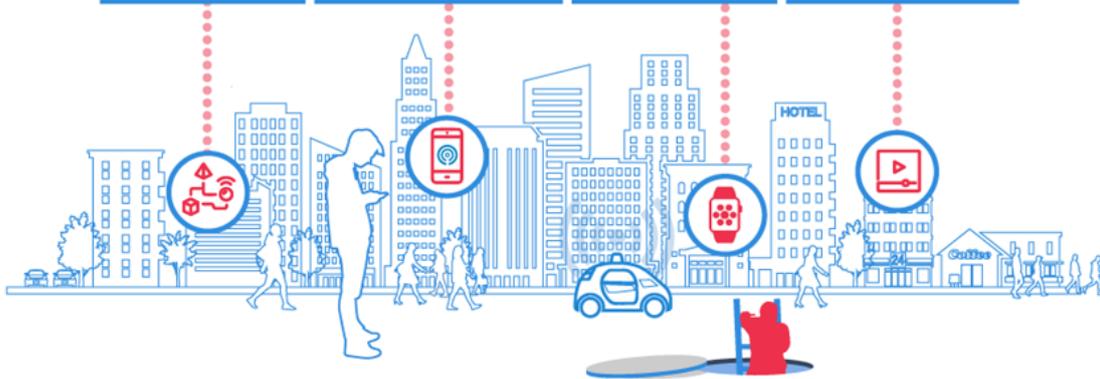
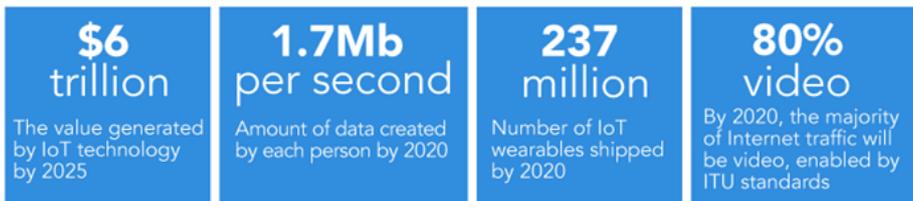
# Setting the standard

Join us at **WTSA-16** in Tunisia and help set the standardization agenda for the future of the Information Society.



## Help build the digital economy

Be part of the discussion on the standards and initiatives which will help enable the digital economy. The future shape of the Internet of Things (IoT), smart cities, cybersecurity and 5G are all underpinned by the work we will do at **WTSA-16**.



## Building blocks of modern communications

For over 150 years, the International Telecommunication Union has been at the centre of advances in communications and today ITU international standards are at play in virtually every facet of modern communications.



## Enabling next-generation apps and services

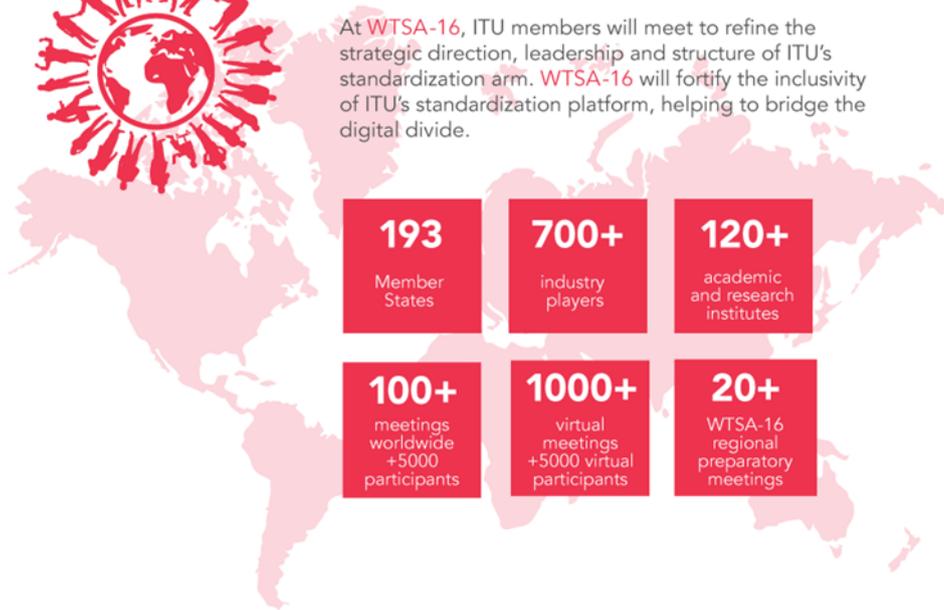
ITU standards support a wide array of industry sectors in their use of ICTs as enabling technologies and assist in meeting the challenges of the 21st century.



# Setting the agenda

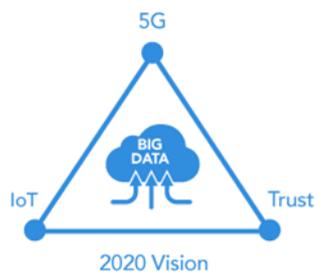


At **WTSA-16**, ITU members will meet to refine the strategic direction, leadership and structure of ITU's standardization arm. **WTSA-16** will fortify the inclusivity of ITU's standardization platform, helping to bridge the digital divide.



## 2020 vision and beyond

WTSA-16 will provide members with a standardization toolkit optimized to assist government and industry in achieving their ambitions for the year 2020 and beyond. The future of standardization will be driven by 5G, IoT and Trust as enablers supporting the UN Sustainable Development Goals.



### Real-time standardization

Over 300 new ITU standards released each year



### Market-driven standards

Over 4000 active standards in use



## Be a part of it

Join us at WTSA-16 in Hammamet, Tunisia, from 25th October to 3rd November, to play a part in crafting the future of ICT.

<http://www.itu.int/en/ITU-T/wtsa16>  #ITUWTSa



References: Intel, IDC, Cisco, ITU.



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## Draft Time-plan Overview

	Morning		Lunch	Afternoon		Evening
	09:30 – 12:30 (Fri:9:00 - 12:00)			14:30 – 17:30		
<b>Mon</b> 24 Oct	GSS			GSS		Informal HoD 18:30 -19:30
<b>Tue</b> 25 Oct	Formal HoD 09:30	Opening, followed by PL 11:00 – 12:30		PL		COM 1: 17:45 Reception Tunisia
<b>Wed</b> 26 Oct	DFS Talks 9:00 – 10:00	COM 4 10:00 – 12:30		COM 4		COM 5: 17:45
	COM 2 10:00 – 11:00	COM 3 11:00 – 12:30		COM 3		AI Talks 17:30 – 19:00, followed by gala reception
<b>Thu</b> 27 Oct	COM 4			COM 4		COM 5: 17:30
	COM 3			COM 3		
<b>Fri</b> 28 Oct	COM 4			COM 4	PL	COM 1: 17:45 COM 5: 17:45
	COM 3			COM 3		
<b>Sat 29 Oct</b>						
<b>Sun 30 Oct: Women Leadership Event 10:00 – 15:30</b>						
<b>Mon</b> 31 Oct	COM 4			COM 4		COM 5: 17:45
	COM 3			COM 3		
<b>Tue</b> 1 Nov	COM 4		HoD 12:45 – 13:15	COM 4		COM 1: 17:45 COM 5: 17:45
	COM 2	COM 3		COM 3		
<b>Wed</b> 2 Nov	Accessibility session: 08:30 – 09:30 PL: 09:30 – 12:30			PL		COM 5: 17:45
<b>Thu</b> 3 Nov	PL			PL + Closing		COM 5: 17:30 (tbc)

**GSS** - Global Standards Symposium

**HoD** - Heads of Delegations meeting

**COM** - Committee meeting

**PL** - Plenary

**DFS Talks** - 60 Anniversary Talks on Digital Financial Services

**AI Talks** - 60 Anniversary Talks on Artificial Intelligence



## La vie est émotions

The invitation-only “CxO meeting” will bring together senior industry executives to explore the new industry dynamics ushered in by the rise of over-the-top (OTT) business models, as well as means to accelerate the deployment of innovative broadband access solutions such as giga-band through a combination of LTE, WiFi and ITU G.fast technology.

Innovative OTT messaging, telephony and streaming services have become a staple of the wide range of services now on offer to end-users. The conclusions of the CxO meeting will feed into ongoing discussions in ITU on the promotion of OTT innovation, possible regulatory approaches to OTT, the value of partnerships between OTT players and network operators, and incentives for infrastructure investment and the protection of privacy and personal data.

G.fast is a new ITU broadband standard that allows delivery of up to 1 Gbit/s over the traditional copper telephone lines that still make up a substantial proportion of so-called “last-mile” networks. The effective combination of broadband access solutions such as G.fast, 4G LTE and WiFi could prove to be a cost-effective means of bringing end-users within reach of bandwidth-intensive services such as Ultra-HD ‘4K’ or ‘8K’ streaming and next-generation IPTV, advanced cloud-based storage, and communication via HD video.

A common thread running through the discussions of CxO meeting will be the consideration of the specific needs of developing countries, both in terms of developing countries’ demands of international standardization and the particular challenges faced by these countries in the deployment of advanced ICT infrastructure.

For more information on how to participate, please contact: [honora.daily@itu.int](mailto:honora.daily@itu.int)

Sunday, 23 October 2016, 14:00 - 18:00

## Opening remarks:

- H.E. Dr Mohamed Anouar Maarouf - Minister of Communication Technologies and Digital Economy, Republic of Tunisia
- Mr Nizar Bouguila - CEO, Tunisie Telecom
- Dr Chaesub Lee - Director, Telecommunication Standardization Bureau, ITU



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# CxO Meeting Agenda

Sunday - 23 October

12:30 – 14:00

*Lunch kindly offered by Tunisie Telecom*

**1. Opening remarks and Welcome** 20'

- Mr Nizar Bouguila - Chairman and CEO, Tunisie Telecom
- Dr Chaesub Lee - Director, ITU Telecommunication Standardization Bureau
- H.E. Dr Mohamed Anouar Maarouf - Minister of Communication Technologies and Digital Economy, Republic of Tunisia

**2. Adoption of Agenda** 5'

**3. Executive Briefing and Discussion** 15'

Pre-event briefings on Global Standards Symposium [GSS] and WTSA (ITU)

**4. Strategic Issues**

4.1 Over-the-top (OTT) services 70'

- Impact of OTT services on telecom operators: Tunisie Telecom's vision (Tunisie Telecom)
- Responding to the needs of developing countries: The case of OTT services (Tunisie Telecom)
- Data Security for OTT services (Alibaba Group)
- Over-the-top (OTT) services (Ericsson)

*Group photo and Coffee break* 30'

4.2 Accelerating the deployment of fixed/mobile gigabit-speed broadband - G.fast and other ITU-T based broadband access technologies 60'

- Broadband network innovation (KT Corporation)
- Ultra Broadband Access Strategy (DASAN Network Solutions)
- Solutions for fiber-to-the-x (FTTx) (Nokia)
- Fixed wireless access (Ericsson)
- G.fast & NG-PON (Huawei Technologies)

4.3 Other strategic issues

- Augmented reality & virtual reality (Huawei Technologies) 10'

**5. Communiqué** 30'

**6. Close of Meeting**

18:00

*Cocktail reception*



## **H.E. Dr Mohamed Anouar Maarouf - Minister of Communication Technologies and Digital Economy, Republic of Tunisia**

H.E. Dr Mohamed Anouar Maarouf is Tunisia's Minister of Technology and the Digital Economy. He is a graduate of the Institut National des Télécommunications à Paris. He holds a Master of Change Management from l'Université Paris-Dauphine and a PhD in Mathematics from the University Joseph Fourier in Grenoble (France). He began his career as a consultant to numerous prominent companies including France Telecom, Bouygues Telecom, SFR and Nokia on topics such as network architecture and engineering, before eventually directing several projects in these domains. He joined the Department of Information Technology and Communication as Adviser to the Minister in charge, among others, the steering of the National Strategy "Tunisia Numérique 2018". He also participates in the work of the Intelligence Unit and Strategic Foresight of the Presidency of the Government.



## **Mr Nizar Bouguila - Chairman and CEO, Tunisie Telecom**

Mr Nizar Bouguila serves as the Chairman and Chief Executive Officer at Tunisie Telecom S.A and served as its Chief Technology Officer. He has been the Chairman of GO p.l.c. since September 2016. Prior to joining Tunisie Telecom, Nizar was Vice President, Business Development in the Group France Telecom / Orange in Paris. Before that he was "Head of Business Unit Mobile" at Orange Business Services, operator of the Orange Group for Enterprise market in France and abroad. He also served previously the Product Development & Services Director positions at Orange Business Services and Head of the Planning service SITA, first IT service provider and telecommunications world for airlines and travel community.



## **Dr Chaesub Lee - Director, Telecommunication Standardization Bureau, ITU**

Dr Chaesub Lee is the Director of ITU's Telecommunication Standardization Bureau, following his election at the 2014 Plenipotentiary Conference in Busan, Republic of Korea. He took office on 1st January 2015. Dr Lee has been involved in the telecommunication and ICT standardization field for 27 years, specializing in areas such as integrated services digital networks (ISDN), global information infrastructure (GII), Internet protocol, next-generation networks (NGN), Internet protocol television (IPTV) and cloud computing. He acted as Vice-Chairman of ITU-T Study Group 13 from 2001 until 2008, becoming Chairman in 2009.





# **Security, Privacy and Trust in Standardization**

24 October 2016, Hammamet, Tunisia



#ITUW TSA





## Standardization in Security, Privacy & Trust

The exponential advancement of ICTs has dramatically improved real-time communication and information sharing, and has enabled billions to send, receive and impart digital information on a worldwide scale. But at the same time, it has become clear that the use of these technologies, which rely heavily on standardization outputs, brings about a host of challenges with respect to the privacy and security of communications, and ultimately, with respect to the end users' perception of these technologies as trustworthy or potentially harmful. Responding to this critical issue, ITU is organizing the third Global Standards Symposium that will take place on 24 October 2016 in Hammamet, Tunisia, preceding ITU's quadrennial World Telecommunication Standardization Assembly (WTSA-16).

The event will bring together thought leaders in the standardization sphere to discuss how standards efforts could best integrate the consideration of security, privacy and trust. In focus will be regulatory principles relevant to security, privacy and trust, as well as how industry players and supporting standards bodies plan to meet end-users' expectations in this domain. The agenda brings together a diverse range of industry players such as Deutsche Telekom, Google, Huawei, Alibaba, Symantec and SAP as well as representatives from government, civil society and standards development organizations.

The sessions of this event will focus on the following topics:

- **Regulatory principles for security, privacy and trust**
- **How industry meets end-users' expectations of security, privacy and trust**
- **Standards bodies' approach to security, privacy and trust**

To register for this event please complete our online form [here](#)

**Monday, 24 October 09:30 - 17:30, The Medina Conference Center**

Organizations participating in sessions:



#ITUWTSA



## Security, Privacy and Trust in Standardization

Monday - 24 October 2016

09:30 - 10:00	<p><b>Session 1: Welcome</b></p> <p><b>Objectives</b> The Global Standards Symposium (GSS) was adopted by the ITU Plenipotentiary (by Resolution 122, Antalya 2006) as a one-day round table and coordination meeting, to serve as a forum for high-level policy discussion and to provide its conclusions to the WTSA.</p> <p><b>Welcome</b></p> <ul style="list-style-type: none"> <li>• H.E. Dr Mohamed Anouar Maarouf - Minister of Communication Technologies and Digital Economy, Republic of Tunisia</li> </ul> <p><b>Opening remarks</b></p> <ul style="list-style-type: none"> <li>• H.E. Dr Mongi Marzoug - Former ICT Minister, Republic of Tunisia</li> <li>• Mr Houlin Zhao - Secretary-General, ITU</li> <li>• Dr Chaesub Lee - Director, Telecommunication Standardization Bureau (TSB), ITU</li> </ul>
10:00 - 11:00	<p><b>Session 2: Regulatory principles for security, privacy and trust</b></p> <p><b>Keynote speech</b></p> <ul style="list-style-type: none"> <li>• Mr John Edwards - Privacy Commissioner of New Zealand; and Chair, Executive Committee of the International Conference of Data Protection and Privacy Commissioners</li> </ul> <p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>• Dr Bilel Jamoussi - Chief of Study Groups, Telecommunication Standardization Bureau (TSB), ITU</li> </ul> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>• Mr Victor Manuel Martinez Vanegas - Director of International Policy, Federal Telecommunications Institute, Mexico</li> <li>• Mr Ilias Chantzios - Senior Director, Government Affairs, EMEA, Global CIP and Privacy Advisor, Symantec</li> <li>• Mr James Kilaba - Acting Director General, Tanzania Communications Regulatory Authority (TCRA)</li> <li>• Mr Chawki Gaddes - President, National Authority for the Protection of Personal Information, Tunisia</li> </ul>
11:00 - 11:30	Coffee break
11:30 - 12:30	<p><b>Session 3 (part 1): How industry meets end-users' expectations of security, privacy and trust</b></p> <p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>• Mr Ilias Chantzios - Senior Director, Government Affairs, EMEA, Global CIP and Privacy Advisor, Symantec</li> </ul> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>• Mr Ammar Alkassar - CEO, Rohde &amp; Schwarz Cybersecurity</li> <li>• Dr Thomas Kremer - Member of the Board of Management for Data Privacy, Legal Affairs and Compliance, Deutsche Telekom</li> <li>• Mr David Francis - European Cyber Security Officer, Huawei Technologies</li> <li>• Ms Jaya Baloo - Chief Information Security Officer, KPN</li> </ul>
12:30 - 14:30	Lunch

## Security, Privacy and Trust in Standardization

Monday - 24 October 2016

<p>14:30 - 15:30</p>	<p><b>Session 3 (part 2): How industry meets end-users' expectations of security, privacy and trust</b></p> <p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>• Mr Ilias Chantzos - Senior Director, Government Affairs, EMEA, Global CIP and Privacy Advisor, Symantec</li> </ul> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>• Mr James Snow - Security &amp; Compliance Strategist, Google</li> <li>• Dr Yuejin Du - Vice President of Security, Alibaba Group</li> <li>• Mr Bernard Benoit - General Manager, White Noise / Kudelski Security</li> </ul>
<p>15:30 - 16:50</p>	<p><b>Session 4: Standards bodies' approach to security, privacy and trust</b></p> <p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>• Mr Toni Eid - Chief Executive Officer, Trace Media &amp; International Editor in Chief of Telecom Review</li> </ul> <p><b>Panelists</b></p> <ul style="list-style-type: none"> <li>• Ms Sophie Clivio - Director Standardization and Technical Policy, ISO</li> <li>• Mr Frans Vreeswijk - General Secretary, International Electrotechnical Commission (IEC)</li> <li>• Ms Karen McCabe - Senior Director, Technology Policy and International Affairs, IEEE Standards Association</li> <li>• Mr Ashok Ganesh - Director Innovation, CEN-CENELEC</li> <li>• Dr Reinhard Scholl - Deputy Director, Telecommunication Standardization Bureau (TSB), ITU</li> </ul>
<p>16:50 - 17:10</p>	<p>Coffee break</p>
<p>17:10 - 17:30</p>	<p><b>Session 5: Adoption of GSS report and closing</b></p> <p><b>Symposium chair</b></p> <ul style="list-style-type: none"> <li>• H.E. Dr Mongi Marzoug - Former ICT Minister, Republic of Tunisia</li> </ul> <p><b>Objectives</b></p> <p>The objective of the final session is to adopt the conclusions of the GSS that will include recommendations for action by the membership. The report on conclusions, which will be prepared by the GSS steering committee, will be presented to WTSA-16 for appropriate action.</p>

# GSS16 Speakers



## **H.E. Dr Mohamed Anouar Maarouf - Minister of Communication Technologies and Digital Economy, Republic of Tunisia**

H.E. Dr Mohamed Anouar Maarouf is Tunisia's Minister of Technology and the Digital Economy. He is a graduate of the l'Institut National des Télécommunication à Paris. He holds a Master of Change Management from l'Université Paris-Dauphine and a PhD in Mathematics from the University Joseph Fourier in Grenoble (France). He began his career as a consultant to numerous prominent companies including France Telecom, Bouygues Telecom, SFR and Nokia on topics such as network architecture and engineering, before eventually directing several projects in these domains. He joined the Department of Information Technology and Communication as Adviser to the Minister in charge, among others, the steering of the National Strategy "Tunisia Numérique 2018". He also participates in the work of the Intelligence Unit and Strategic Foresight of the Presidency of the Government.



## **Mr Houlin Zhao - Secretary-General, ITU**

Mr Houlin Zhao is the 19th Secretary-General of the ITU. His four-year mandate started on 1 January 2015. From 2007 to 2014, he served as ITU Deputy Secretary-General, supporting the work of the Secretary-General, principally in terms of day-to-day management, including human resources, financial administration, improving efficiency, and working to help broaden ITU's membership, particularly in terms of academic institutions. Mr Zhao has also served in the elected role of Director of ITU's Telecommunication Standardization Bureau (TSB) from 1999 to 2006. During his two terms of office he spearheaded the introduction of new efficiency measures to improve ITU's standards-making environment through fostering even closer cooperation with industry members, while strengthening the promotion of ITU's leadership in global ICT standards development.



## **Dr Chaesub Lee - Director, Telecommunication Standardization Bureau (TSB), ITU**

Dr Chaesub Lee is the Director of ITU's Telecommunication Standardization Bureau, following his election at the 2014 Plenipotentiary Conference in Busan, Republic of Korea. He took office on 1st January 2015. Dr Lee has been involved in the telecommunication and ICT standardization field for 27 years, specializing in areas such as integrated services digital networks (ISDN), global information infrastructure (GII), Internet protocol, next-generation networks (NGN), Internet protocol television (IPTV) and cloud computing. He acted as Vice-Chairman of ITU-T Study Group 13 from 2001 until 2008, becoming Chairman in 2009.



## **H.E. Dr Mongi Marzoug - Former ICT Minister, Tunisia**

From January to August 2016, Dr Marzoug served as the Tunisian Minister of Energy and Mines. He has also served as Tunisian ICT minister, where he oversaw important reforms regarding governance, legal framework, regulation, and digital economy (digital strategy plan, cyber-security law and plan, frequency plan, global telecommunication licenses, universal service, market competition, virtual networks, ISP, IXP, broadcasting reforms, e-Government projects). Dr Marzoug has extensive management experience within the telecommunications industry, with a strong expertise on communication networks: technologies, services, costs and business. He holds a patent in the mobile radio network technology, and he has published several scientific and technical papers in this domain. Between 1999-2011, he held various leadership positions at Orange Group specializing in mobile network architecture, performance, roaming and cost. He was also the company's Deputy Director of studies, engineering and products. More recently, he was Orange Group's VP of Internet and Governance and Digital Development between 2014-2016.



# GSS16 Speakers



**Mr John Edwards - Privacy Commissioner of New Zealand; and Chair, Executive Committee of the International Conference of Data Protection and Privacy Commissioners**

Mr John Edwards was appointed New Zealand Privacy Commissioner in February 2014. Prior to this, John practiced law for over 20 years with a specialty in information law, representing a wide range of public and private sector clients. For 15 years John held a warrant as a district inspector for mental health and has also been a district inspector for intellectual disability services. NZ was elected to the Committee in 2013 and re-elected for a further 2 year term in 2015. John was elected Chair of the Executive Committee in 2014 and re-elected as Chair in 2015.



**Dr Bilel Jamoussi - Chief of Study Groups Department, Telecommunication Standardization Bureau (TSB), ITU**

Tunisian born, Dr. Bilel Jamoussi is Chief of the Study Groups Department of the ITU Telecommunication Standardization Bureau in Geneva Switzerland. Since 2010, he has been leading the bureau's standards making activities into a new era characterized by rapid convergence and the need for increased collaboration with vertical sectors and partnership between developed and developing countries. Prior to 2010, Jamoussi worked for a Telecommunication equipment and solutions provider for 15 years in Canada and then in the United States where he held several leadership positions and was granted 22 US patents in diverse areas including packet, optical, wireless, and quality of service. He holds a BSc, MSc and PhD degrees in Computer Engineering from the Pennsylvania State University, USA. He is fluent in Arabic, French, and English and speaks some Spanish and German.



**Mr Victor Manuel Martinez Vanegas - Director of International Policy, Federal Telecommunications Institute, Mexico**

Mr. Victor Martínez, has been the Director of International Policy in the Federal Telecommunications Institute (IFT) of Mexico since October, 2014. He is responsible for elaborating and promoting the international policy of IFT in telecommunications, broadcasting and competition. Previously, he served in the Ministry of Communications and Transports for more than six years. He has led the Mexican delegation in many world assemblies, conferences and meetings of the International Telecommunications Union, Inter-American Telecommunications Commission (CITEL) and OECD meetings. He was also Vice-Chairman of TDAG (2010 – 2014), Co- rapporteur of CITEL preparatory working group for WTSA and WCIT in 2012, Mexican representative in the Governmental Advisory Committee of ICANN (2010 – 2014), member of Committee of Program in LACIGF and member of the Initiative Group for Dialogs of Internet Governance in Mexico.



**Mr Ilias Chantzios - Senior Director, Government Affairs, EMEA, Global CIP and Privacy Advisor, Symantec**

Ilias Chantzios is the Senior Director of Symantec's Government Affairs programmes for Europe, Middle East & Africa (EMEA) and Asia Pacific, Japan. He is also the Global Advisor for Critical Infrastructure and Data Protection. Chantzios represents Symantec before government bodies, national authorities and international organisations advising on public policy issues with particular regard to IT security and privacy. Before joining Symantec in 2004, Chantzios worked as legal and policy officer in the Directorate General Information Society of the European Commission focusing on information security policy. He covered the council of Europe Cybercrime Convention and the Framework Decision on Attacks against Information Systems.



# GSS16 Speakers



## **Mr James Kilaba - Acting Director General, Tanzania Communications Regulatory Authority (TCRA)**

Mr James M. Kilaba is the Acting Director General of the Tanzania Communications Regulatory Authority (TCRA) responsible for development of Information and Communication Technologies. Mr. Kilaba has been working in the communications sector regulation for more than 18 years. Over this period he has been a pioneer in many ICT development initiatives as well as active participant in the ITU Standardization and Development activities. He has also served the ITU as ITU-T Study Group 2 Vice Chairman for the current Study period 2009 – 2012 and was the motivator behind the establishment of the EACO Standardization Group in East Africa. He is a Senior Member of the Institution of Engineers in Tanzania. He has also been a Member of the Institute of Electrical and Electronics Engineers (IEEE) for more than 15 years.



## **Mr Ammar Alkassar - CEO, Rohde & Schwarz Cybersecurity**

Since 2015, Mr Ammar Alkassar has been the CEO of Rohde & Schwarz Cybersecurity – Germany's major supplier for Cybersecurity. Before, he was the CEO of Sirrix AG security technologies for 10 years. He has a M.Sc. from Saarland University and a B.Sc. in both Electrical Engineering and Computer Science. Before joining Sirrix, Mr Alkassar was senior researcher at the German Research Center for Artificial Intelligence, and before that he was researcher at Stevens Tech, NJ and HUT, Helsinki. He is a member of the Federal Industry/Government Commission on IT-Security and a board member in Germany's IT-Security association TeleTrust. Mr Alkassar is Director of the European Competence Center for IT-Security.



## **Dr Thomas Kremer - Member of the Board of Management for Data Privacy, Legal Affairs and Compliance, Deutsche Telekom AG**

Dr. Thomas Kremer, has been the Board of Management member responsible for Data Privacy, Legal Affairs and Compliance at Deutsche Telekom AG since June 2012. He was the interim Chief Human Resources Officer from January 2014 to March 2015.



## **Mr David Francis - European Cyber Security Officer, Huawei Technologies**

Mr David Francis was appointed Huawei's European Cyber Security Officer in August 2015, having previously been the CSO for Huawei in the UK&I since 2013. David started his career with British Telecom as an engineer and has held senior positions in the IT sector in the UK and the US since. Prior to joining Huawei, David was a Chief Operating Officer with an eCommerce platform. Also, he has worked for Symantec for over 9 years, of which the last 5 as Vice President of Operations. At Symantec, David was responsible for the SaaS / cloud operations unit, consisting of over 300 staff globally. Working closely with government and local authority customers, he has a vast experience with cyber security challenges and requirements for both the public and the private sector.



## **Ms Jaya Baloo - Chief Information Security Officer, KPN**

Ms Jaya Baloo is the CISO of KPN Telecom in the Netherlands. She won the Cyber Security Executive of the year award in 2015. Jaya works with an amazing information security team of highly driven specialists. Working in the information security arena for the past 18 years, she has worked mostly for global telecommunications companies such as Verizon and France Telecom. Jaya is also a frequent speaker at security conferences on subjects around lawful interception, mass surveillance, and cryptography.



# GSS16 Speakers



## **Mr James Snow - Security & Compliance Product Strategist, Google Cloud**

Mr James Snow is the Global Product Strategist focusing on Security, Privacy, and Legal Compliance for Google Cloud. James engages frequently with Customers, Regulators and Partners on Security and Compliance topics and has authored several versions of the G Suite Security and Compliance Whitepaper. In previous roles, James Snow was responsible for Security and Compliance in EMEA for Google Enterprise. James has deep product knowledge in G Suite (formerly Google Apps for Work), Google Cloud Platform and Enterprise Search. James has been the lead engineer on some of the largest Apps, Search, and Security deals in the globally to date including Ahold, Randstad, KLM, among many others. James has worked for Google for over 8 years and held previous positions including Program Manager at Microsoft (Redmond) in the Connected Systems Division (SQL Server, BizTalk, Host Integration Server) and at Accenture in their Global Integration Practice implementing systems integration and BI solutions for Fortune 500 clients in Asia, Europe, and the Americas.



## **Dr Yuejin Du - Vice President of Security, Alibaba Group**

Dr Yuejin Du is currently working as Chief Security Expert and VP of technology at Alibaba Group, focus on Data Security, IoT security, Threat Intelligence, Standard and outside cooperation on Cyber security. Before he joined Alibaba, he was the founder and director of National Engineering Laboratory for Cybersecurity Emergency Response Technology, Director of National Institute of Network and Information Security, and one of the founders of Chinese national response center of computer network security (CNCERT/CC), one of the founders and deputy chair of Asia-Pacific cooperation group of CSIRTS (APCERT). Dr. Du has more than 16 years of experience on Internet security, contributed a lot on national Internet security capacity building, played key role on building the national Internet security infrastructure and national incident response cooperation framework.



## **Mr Bernard Benoit - General Manager, White Noise / Kudelski Security**

With a business education, Mr Bernard Benoit worked for 10 years for the press and for communication agencies in various creative roles. In the late 90's he started to collaborate on the emerging Internet technologies before taking over a marketing role in the world of IT integration. Over 10 years ago Bernard Benoit joined the Kudelski Group, a global leader in digital security and convergent media solutions for the delivery of digital and interactive content. He has held various positions in relation with service delivery and took over the Procurement department where he was able to contribute to product cost optimization and rationalization. With an entrepreneurial drive, passionate about technology and the value creation through innovation Bernard Benoit created White Noise in 2014, a new product that addresses Secure Unified Communication over the top.



# GSS16 Speakers



## **Mr Toni G. Eid - Chief Executive Officer, Trace Media & International Editor in Chief of Telecom Review**

Mr Eid started his career in Media & Publishing in 1985 and holds over 3 years' experience in Media, with over 1 year specialized in Telecom Media Business. He is involved in International Business in Gulf, Europe & North America since 1986. He is a very active member of the Telecom Industry and participates at most industry events and forums around the world which include playing the role of the Judge in many prestigious committee AWARDS. In addition, Toni is also speaking & moderating at many events globally as he has a large knowledge of the Telecom & ICT Business. Toni is the founder of one of the most successful Telecom media brand Telecom REVIEW; this is the world's largest multi-language media with electronic, print & App editions, which covers North America, Asia Pacific, Africa, Middle East and Europe.



## **Ms Sophie Clivio - Director Standardization and Technical Policy, ISO**

Since September 2015, Ms Sophie Clivio has been the Director, Standardization and Technical Policy and TMB Secretary of the Technical Management Board (TMB) of the International Organization for Standardization (ISO). Prior to joining ISO (in 1992), Sophie Clivio started her career with IBM in 1987 as a Software Telecommunication Engineer, progressing as Network Marketing Engineer and eventually Sales Representative until 1992. A French national, Sophie obtained a master of Mathematics in 1985 from the University of Paris VII (France) and a diploma in Engineering in Telecommunication (Ecole Nationale Supérieure des Télécommunications) in 1987 (France).



## **Mr Frans Vreeswijk - General Secretary & CEO, IEC**

Mr Frans Vreeswijk took over the function of IEC General Secretary and CEO on 1 October 2012. Prior to joining the IEC he worked for almost 30 years for Philips in the Netherlands, Austria and the USA, notably in research, healthcare and consumer electronics. Vreeswijk was President of the IEC Dutch National Committee (NEC) and a board member to the Dutch National Committee (NEN) to ISO (International Organization for Standardization). He served on the IEC Council Board and SMB (Standardization Management Board) and represented the Netherlands in CENELEC (the European Committee for Electrotechnical Standardization).



# GSS16 Speakers



## **Ms Karen McCabe - Senior Director, Technology Policy and International Affairs, IEEE Standards Association**

Ms Karen McCabe is a Senior Director of Technology Policy and International Affairs at IEEE, where she leads efforts to build and connect communities working in the technology policy ecosystem and where her focus is on the development and promotion of collaborative strategies that produce impactful outcomes among multi-stakeholders to help advance technology for society and humanity benefit. Karen has over 20 years experience working at the nexus of mission-driven organizations, industry, NGO and government bodies to raise awareness, to educate and build capacity among stakeholders in the technology sphere. Karen is engaged in efforts in internet governance, ethics, technology and global standards in trade and policy.



## **Mr Ashok Ganesh - Director of Innovation, CEN-CENELEC**

Mr Ashok Ganesh is Director Innovation at CEN CENELEC and has worked in standardization for 20 years. His current responsibilities include developing new standardization opportunities, deeper integration of standards and research, supporting stakeholders to benefit from standards and Education about Standardization.



## **Dr Reinhard Scholl - Deputy Director, Telecommunication Standardization Bureau (TSB), ITU**

Dr Reinhard Scholl is Deputy to the Director of the Telecommunication Standardization Bureau (TSB) since September 2002. Previously he has been with Siemens in Munich, Germany and with ETSI (European Telecommunications Standards Institute). He has also served on the ICANN Board. He received a Ph.D. in physics from the University of Illinois, USA.



## **Mr Chawki Gaddes - President, National Authority for the Protection of Personal Information, Tunisia**

Mr Chawki Gaddes is the current President of Tunisia's National Authority for the Protection of Personal Information. He has an extensive background in public law and information and communications technology law. He is a graduate of the Tunisian University in Public Law and International Academy of Constitutional Law. He is also the Secretary General of the Tunisian Association of Constitutional Law. In 2011 he led the ATDC's observation mission set up by the association during the Tunisian elections.





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# 60<sup>th</sup> Anniversary Celebration

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#ITUW TSA



# Anniversary Talks



## Moderator:

Mr Stephen Ibaraki - Social Entrepreneur & Futurist



## Talks on Digital Financial Services (DFS)

Globally, more than 2 billion adults do not have a formal bank account, most of them in developing economies. Low levels of financial inclusion represent a barrier to socio-economic development in developing countries. Mobile money can be a game changer for people of limited income and an enabler for financial inclusion in developing countries. The recent growth of digital financial services has allowed millions of people who are otherwise excluded from the formal financial system to perform financial transactions relatively cheaply, securely, and reliably.

There is a need for development of international standards and policy reforms which will facilitate the adoption of interoperable digital financial services. However, we have seen limited successful efforts in this area therefore making it important to understand the challenges and barriers involved. The "ITU-T 60th Anniversary Talks on DFS" offers a platform to discuss the opportunities and challenges involved in fast tracking the adoption of digital financial services and scaling up its usage.

## Talks on Artificial Intelligence (AI)

AI-technology-related stories make the news on a daily basis. A large part of our lives will be influenced by AI technology in the future. Today, there are already various agendas on AI being discussed globally while the scope of topic is still expanding fast. AI technologies such as machine learning algorithms are already being applied to a variety of topics such as, for example, in security for intrusion detection or predicting DDoS attacks, in intelligent traffic management for techniques to predict traffic flow, traffic congestions, and traffic distribution, or in improving lives for persons with disabilities through language tools such as speech recognition, text to speech and machine translation systems.

To facilitate wider global adoption of AI technologies and in order to truly tap into its potential, timely development of global standards will be essential. This session offers a platform for discussions on cutting-edge AI technologies, ICT applications and services that could leverage from the capabilities that they offer, as well as the benefits and challenges involved in their standardization. The "ITU-T 60th Anniversary Talks on AI" offers a platform for discussions on cutting-edge AI technologies, ICT applications and services that could leverage from the capabilities that they offer, as well as the benefits and challenges involved in their standardization.

Wednesday - 26 October, The Medina Conference Center

**Digital Financial  
Services Talks**

**9:00 – 10:00**

**Artificial Intelligence  
Talks**

**17:30 – 19:00**



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## **Mr Stephen Ibaraki - Social Entrepreneur and Futurist**

With more than 100 executive roles, lifetime achievement awards and recognitions, a few of Stephen Ibaraki's positions include: co-chair Practitioner Board Association for Computing Machinery; founding chair Global Industry Council and vice-chair board IP3 International Federation for Information Processing; top 5 blogger IDG-IT World World (Canada); founding managing partner REDDS Venture Investment Partners; keynote at the International Conference on Software Engineering (Austin USA); founding chair Technology Advisory Council Financial Services Roundtable FinTech Ideas Festival (FSR: 91.7 trillion managed assets, 1.2 trillion annual revenue); invited board advisor within the IEEE divisions. There is more information as nominated founding fellow, past board chair and president government-chartered Canadian Information Processing Society.



## **Dr Moez Chakchouk - Chief Executive Officer, Tunisian Post**

Dr Moez Chakchouk graduated in 1998 from Sup'Com engineering school. Moez received his M.S in telecommunications from ENIT Engineering School in 2001. In 2009, he achieved his Ph.D in applied mathematics and in telecommunications, from El Manar Univ Tunisia & Paris Descartes Univ. He started his career in 1998 as a research engineer member of PINA R&D CERT, the Tunisian Center for Research and Studies in Telecommunications. In 2002, he became the chief of RACINES R&D. He joined in 2005 the Tunisian Telecommunication Regulation Authority (INT) first as chief of their technical department, later he became the Head of Interconnection & Access. In March 2010, he was appointed as Adviser to the Minister of Communications Technology. In 2011, Moez was appointed Chairman and CEO of the ATI - Tunisian Internet Agency where he transformed it into a neutral IXP (internet exchange point), Registrar, ISP and launched the open innovation 404Labs. He was appointed Chairman & CEO of the Tunisian Post in April 2015. Moez is a fervent defender of online human rights, he participated in different forums and conferences and he selected as a member of the Global Commission on Internet Governance.



## **Mr Ronald Webb - Director of Financial Services, Safaricom**

Ronald Webb is a dedicated payments professional with more than 30 years' experience in payments technology in Africa as a technologist, senior executive, board member, entrepreneur, advisor, and mentor. Ronald is passionate about innovation where the developing world is leapfrogging legacy business models providing ever new opportunities, improving the lives of millions of people through digital financial services. Educated in Zimbabwe, Ronald is currently the Director of Financial Services for Safaricom tasked with leading M-PESA through its next phase of growth. Previously he was the inaugural Director of Payments for Equity Bank, a new directorate that the bank established to centralise payment activities.



# AI Speakers



## Mr Stephen Ibaraki - Social Entrepreneur and Futurist

With more than 100 executive roles, lifetime achievement awards and recognitions, a few of Stephen Ibaraki's positions include: co-chair Practitioner Board Association for Computing Machinery; founding chair Global Industry Council and vice-chair board IP3 International Federation for Information Processing; top 5 blogger IDG-IT World World (Canada); founding managing partner REDDS Venture Investment Partners; keynote at the International Conference on Software Engineering (Austin USA); founding chair Technology Advisory Council Financial Services Roundtable FinTech Ideas Festival (FSR: 91.7 trillion managed assets, 1.2 trillion annual revenue); invited board advisor within the IEEE divisions. There is more information as nominated founding fellow, past board chair and president government-chartered Canadian Information Processing Society.



## Prof Dr Thomas Wiegand - Professor, Technical University of Berlin, Executive Director, Fraunhofer Heinrich

Thomas Wiegand is a professor in the department of Electrical Engineering and Computer Science at the Technical University of Berlin and is jointly heading the Fraunhofer Heinrich Hertz Institute, Berlin, Germany. Since 1995, he has been an active participant in standardization for multimedia with many successful submissions to ITU-T and ISO/IEC. In 2000, he was appointed as the Associated Rapporteur of ITU-T VCEG and from 2005-2009, he was Co-Chair of ISO/IEC MPEG Video. The projects that he co-chaired for the development of the H.264/MPEG-AVC standard have been recognized by an ATAS Primetime Emmy Engineering Award and a pair of NATAS Technology & Engineering Emmy Awards. In 2014, Thomson Reuters named him in their list of "The World's Most Influential Scientific Minds" as one of the most cited researchers in his field. For his research in video coding and transmission, in video coding and transmission, he has received numerous awards including the ITU150 Award.



## Prof Dr Mike Hinchey - Director, Irish Software Engineering Research Centre (Lero)

Mike Hinchey is Director of Lero-the Irish Software Research Centre, a multi-location national research centre funded by Science Foundation Ireland and with a footprint in all of Ireland's universities. He is also Professor of Software Engineering at University of Limerick. He holds 26 US Patents on various aspects of autonomous systems, code generation and computer hardware. In 2009 he was awarded NASA's Kerley Award as Innovator of the Year. Prior to leading Lero, Hinchey was Director of the NASA Software Engineering Laboratory at NASA Goddard Space Flight Centre, Greenbelt, MD. He is President of IFIP (International Federation for Information Processing), Vice President of the Irish Computer Society and Vice Chair of IEEE UK and Ireland Section.



## Mr Neil Sahota - WW Business Development Leader & IBM Master Inventor, IBM Watson Group

Neil Sahota (萨冠军) is an IBM Master Inventor and Worldwide Business Development Leader in the IBM Watson Group. He works with Global Fortune 500 clients and high growth business partners to ideate next generation products/solutions powered by Watson. Neil's responsibilities include product incubation, developing business cases, and go-to-market strategies. Prior to this role, he was a Thought Leader Consultant and Practice Leader in IBM Global Business Services and responsible for the sales and delivery of consulting engagements spanning business strategy, new product development, revenue optimization, and process improvement. His experience spans multiple industries including healthcare, retail, travel/transportation, energy/utilities, automotive, telecommunications, media/communication, and government.



#ITUWTSa

**gem** Women in Standardization Expert group  
Gender Equality & Mainstreaming



# ITU WISE 2016

*Setting the Standard for Equality*

**The 1<sup>st</sup> Women in Standardization Expert Group Event**

Yasmine Hammamet, Tunisia, 30 October 2016

Co-located with:

In partnership with:

Organized by:





## Introduction

ITU Women in Standardization Expert Group (WISE) event will bring together delegates and ITU staff attending WTSA16, with a focus on heads of delegations and leaders of national standards organizations, to learn, connect and celebrate the continued efforts towards gender equality in leadership positions.



The event will be the first of its kind and will consist of a workshop on practical skills for successful negotiations, as part of ITU-T's commitment to promoting equality for men and women delegates attending its meetings and conferences. This workshop will be followed by a panel discussion highlighting the experiences of leading women from the ICT and standardization fields.

This event will officially launch of WISE as an active ITU group to promote gender equality within the standardization sector. It will include a professional training which will equip delegates with practical skills to capitalize on their unique strengths for successful negotiations. The event will conclude by celebrating individuals who have made valuable contributions to gender equality and the empowerment of women in the standardization sector.

For more information on WISE, please click [here](#)

Sunday, 30 October 10:00 - 15:30, The Medina Conference Center, Room F (Hall 3)

## Workshop Moderator

- Mr Giuseppe Conti - Senior Procurement Leader and Creator of Master Negotiators

## Panelists

- Ms Monique Morrow - CTO of New Frontiers Engineering, Cisco & WISE chairman
- Ms Julie Zoller - Senior Deputy Coordinator & Director of Multilateral Affairs, U.S. Department of State
- Dr Rim Belhassine-Cherif - Executive Director, Tunisie Telecom
- Ms Guðrún Rögnvaldardóttir - Vice President Technical Board, CEN & CENELEC
- Ms Hilda Mutseyekwa- Director Economics, Tariffs and Competition, Postal and Regulatory Authority of Zimbabwe (POTRAZ)
- Ms Sharmin Sultana - Senior Assistant Director, Bangladesh Telecommunication Regulatory Commission (BTRC)



## Sunday - 30 October 2016

09:30 – 10:00	Registration & Welcome Coffee
10:00 - 10:10	<p><b>Opening remarks</b></p> <ul style="list-style-type: none"> <li>• Dr Chaesub Lee - Director, Telecommunication Standardization Bureau (TSB), ITU</li> </ul>
10:10 – 13:00	<p><b>Workshop: Gender Differences in Negotiations</b></p> <p>Women negotiate differently than men and, even when they negotiate in a similar way, their acts are perceived differently. This workshop will help you to understand these differences and provide you with concrete tools and frameworks to improve your negotiation skills.</p> <p><b>Moderator:</b></p> <p>Mr Giuseppe Conti - Senior Procurement Leader and Creator of Master Negotiators</p>
13:00 – 14:00	<i>Lunch kindly offered by Cisco</i>
14:00– 15:15	<p><b>Panel discussion: Setting the Standard for Equality – Gender Diversity in leading roles</b></p> <p>The WISE panel session will address gender diversity and inclusion in the ICT sector, with a focus on the world of standards-making. Join the debate as our distinguished panelists discuss the challenges facing women in the workplace, share their own experiences and exchange ideas on what can be done to empower more women to take on leadership positions in standards-making organizations, and in the industry as a whole.</p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• Dr Lara Srivastava, Telecommunication Standardization Bureau (TSB), ITU</li> </ul> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• Ms Monique Morrow - CTO of New Frontiers Engineering at Cisco</li> <li>• Ms Julie Zoller - Senior Deputy Coordinator &amp; Director of Multilateral Affairs, U.S. Department of State</li> <li>• Dr Rim Belhassine - Cherif - Executive Director, Tunisie Telecom</li> <li>• Ms Guðrún Rögnvaldardóttir - Vice President Technical Board, CEN &amp; CENELEC</li> <li>• Ms Hilda Mutseyekwa- Director Economics, Tariffs and Competition, Postal and Regulatory Authority of Zimbabwe (POTRAZ)</li> <li>• Ms Sharmin Sultana - Senior Assistant Director, Bangladesh Telecommunication Regulatory Commission</li> </ul>
15:15-15:25	Celebration of the achievements on gender equality and the empowerment of women in the Telecommunication Standardization Bureau (TSB) and the Standardization Sector
15:25– 15:30	<p><b>Concluding remarks</b></p> <ul style="list-style-type: none"> <li>• Ms Florence Tunzi - Telecommunication Standardization Bureau (TSB), ITU</li> </ul>

# WISE Speakers and Participants



## **Dr Chaesub Lee - Director, Telecommunication Standardization Bureau, ITU**

Dr Chaesub Lee is the Director of ITU's Telecommunication Standardization Bureau, following his election at the 2014 Plenipotentiary Conference in Busan, Republic of Korea. He took office on 1st January 2015. Dr Lee has been involved in the telecommunication and ICT standardization field for 27 years, specializing in areas such as integrated services digital networks (ISDN), global information infrastructure (GII), Internet protocol, next-generation networks (NGN), Internet protocol television (IPTV) and cloud computing. He acted as Vice-Chairman of ITU-T Study Group 13 from 2001 until 2008, becoming Chairman in 2009.



## **H.E. Dr Mohamed Anouar Maarouf - Minister of Communication Technologies and Digital Economy, Republic of Tunisia**

H.E. Dr Mohamed Anouar Maarouf is Tunisia's Minister of Technology and the Digital Economy. He is a graduate of the Institut National des Télécommunication à Paris. He holds a Master of Change Management from l'Université Paris-Dauphine and a PhD in Mathematics from the University Joseph Fourier in Grenoble (France). He began his career as a consultant to numerous prominent companies including France Telecom, Bouygues Telecom, SFR and Nokia on topics such as network architecture and engineering, before eventually directing several projects in these domains. He joined the Department of Information Technology and Communication as Adviser to the Minister in charge, among others, the steering of the National Strategy "Tunisia Numérique 2018". He also participates in the work of the Intelligence Unit and Strategic Foresight of the Presidency of the Government.



## **Ms Monique Morrow - CTO, New Frontiers Development & Engineering, Cisco & WISE Chair**

Ms Monique Morrow is the CTO of New Frontiers Engineering at Cisco. Focused on the intersection between economics, technology, and research, she is defining mechanisms and marketplace scenarios for cloud federation constructs to include security. She was previously Cisco's Chief Technology Officer of Services, where she is responsible for aligning the Cisco Services Technology vision and architectures with the business strategy. Monique has a track record of co-innovating with customers, developing solutions that have transcended the globe from North America, Europe and Asia. Under Cisco's Office of the CTO, both as an individual contributor and manager, Monique built a strong leadership team in Asia-Pacific. Her specific geo-area targets were China and India. Monique's role in these regions drove Cisco's globalization and country strategies and met all of her targeted goals.



## **Ms Julie Zoller - Senior Deputy Coordinator & Director of Multilateral Affairs, U.S. Department of State**

Ms Julie Zoller has served as the Senior Deputy Coordinator for International Communications and Information Policy, part of the U.S. State Department's Bureau of Economic and Business Affairs, since March 2013. She formulates and coordinates U.S. communications and information policy relative to multilateral organizations, including the International Telecommunication Union (ITU), Inter-American Telecommunication Commission, Organization for Economic Cooperation and Development, and Asia-Pacific Economic Cooperation, and regularly leads U.S. delegations. She was the first woman to chair the ITU Radio Regulations Board. She was also the Chair of ITU Council 2016.



# WISE Speakers and Participants



## **Dr Rim Belhassine-Cherif - Executive Director, Tunisie Telecom**

Dr Rim Belhassine-Cherif has worked within Tunisie Telecom, the incumbent telecom operator in Tunisia, since 1994. She has occupied the post of Products and Services Development Director since 2007 and then was promoted to Executive director in 2011. She is mainly responsible for the study of new products and services (mobile, fix, Internet, Enterprises and Data), the development and the technical launch of offers and promotions, in addition to enterprises, voice, multimedia, messaging and content solutions engineering. Dr. Belhassine-Cherif has participated in several ITU conferences, seminars and Workshops and she was also a Vice-chair of the Focus Group on Bridging the Gap: from Innovation to Standards.



## **Ms Guðrún Rögnvaldardóttir - Vice President Technical Board, CEN & CENELEC**

Dipl. Ing. Guðrún Rögnvaldardóttir studied electrical engineering in Iceland and Germany (Technical University of Karlsruhe), and also has a Master of Public Administration (MPA) degree from the University of Iceland. She joined the secretariat of Icelandic Standards (IST) in 1991 and was appointed as Managing Director in 1998. She also spent a year working at the CEN Central Secretariat in Brussels. Ms Rögnvaldardóttir has served as a member of the CEN Technical Board (1991-2001), the CENELEC Technical Board (1996-1999), the CEN Administrative Board (since 1998), the ISO Council (2005-2006 and 2011-2012), and as Vice-President and Administrative Board member of CENELEC (2007-2010). Since 2013 she has served as CEN Vice-President Technical.



## **Ms Hilda Mutseyekwa- Director Economics, Tariffs and Competition, Postal and Regulatory Authority of Zimbabwe (POTRAZ)**

Ms Hilda Mutseyekwa is the Director Economics, Tariffs and Competition within the Postal and Regulatory Authority of Zimbabwe (POTRAZ). She holds a Bsc Economics Honours Degree (1987) from the University of Zimbabwe as well as a Master's in Business Administration from the same University. She joined POTRAZ in 2001 and has pioneered all aspects of Economic Regulation within POTRAZ. Her greatest passion is problem solving using facts and figures for the betterment of lives. Prior to that, she spent a good thirteen years as a Research Economist within Government, which was punctuated by a diplomatic stint in New, Delhi, India (1994-1999).



## **Ms Sharmin Sultana - Senior Assistant Director, Bangladesh Telecommunication Regulatory Commission**

Ms Sharmin is the Senior Assistant Director of Bangladesh Telecommunication Regulatory Commission. She holds a BSC in telecommunication Management from Devry University, USA. She has also completed her MSC in Telecommunication Engineering. Ms. Sultana began her career as a technical analyst at Ovislink, Canada. Later she moved to Bangladesh and joined the Bangladesh Telecommunication Regulatory Commission ("BTRC") in its Engineering and Operations Division. She has been actively involved in the preparation of telecom policy and regulatory guidelines for Bangladesh. She is also engaged in BTRC's efforts in Infrastructure Sharing, International terrestrial connectivity, Nationwide Telecommunication Transmission Network, National network Strategy and Planning.



# WISE Speakers and Participants



## **Mr Giuseppe Conti - Senior Procurement Leader & Creator of Master Negotiators**

Mr Giuseppe Conti - Senior Procurement Leader & Creator of Master Negotiators. Mr Conti is a recognized expert in the field of negotiation and regular lecturer at top-ranked European Business Schools, including ESADE, HEC Geneva, HEC Paris, IMD, INSEAD, Oxford, RSM, and SDA Bocconi. Managers from over 90 different countries have attended his highly interactive and pragmatic workshops. He is a seasoned negotiator combining academic content with a rich practitioner experience from his senior procurement and commercial leadership roles with blue chip multinationals (Procter & Gamble, Novartis, Firmenich, Merck). He runs custom negotiation workshops for leading multinationals in Europe and Asia.



## **Dr Lara Srivastava - Head, Bridging the Standardization Gap Programme & Counsellor, ITU-T Study Group 3, Telecommunication Standardization Bureau (TSB), ITU**

With a diverse professional background spanning the public sector, business, start-ups and academia, Lara has been monitoring and analyzing new technologies and their impact on telecom regulation, economics and market structure for over 20 years. She is a qualified Canadian lawyer (JD with a focus on communications law), holds an MSc in Technology Policy from the Science Policy Research Unit (SPRU, University of Sussex), and a PhD in Technology Design and Innovation (Smart Homes) from Aalborg University (Denmark). At ITU, she was previously Senior Policy Analyst and Manager of the organization's first technology foresight programme. Lara joined the ITU's Standardization Bureau in 2013, where she is currently Head of Bridging the Standardization Gap Programme, and Counsellor for ITU-T Study Group 3 and its 5 regional groups on economic and policy Issues.



## **Ms Florence Tunzi - Manager, Human Resources, Telecommunication Standardization Bureau (TSB), ITU**

Ms Tunzi is a finance and strategic HR professional with over 10 years of experience in financial management, budgeting, human resources and strategy. Her previous employers include BMO Financial Group, CI Investments Inc. and IQON Financial Management Inc., in Canada. Florence holds a Bachelor of Commerce (Honors) degree in Finance from the University of Manitoba, Canada, an MBA (Magna Cum Laude) from the University of Geneva, Switzerland and a post graduate diploma in Strategic HR Management from Cornell University, USA.



# Accessibility Session



## Introduction

15 per cent of the world's population lives with a disability. This represents about 1 billion people globally. Information and Communication Technologies (ICTs), such as mobile phones, satellites or the Internet, are a unique infrastructure that expand access to key public services, promoting digital inclusion. Throughout the world, persons living with disabilities are already benefitting from the advantages of ICT-enabled applications.

But more needs to be done. To extend the benefits of ICTs to all, ICTs have to be made accessible to persons living with disabilities, so these technologies constitute an opportunity and not a barrier. Get involved in ITU activities to make ICT accessible to persons living with disabilities and to achieving equitable communications for everyone.

ITU works to increase access to information and communication technologies (ICTs) for persons with disabilities: by raising awareness of their right to access telecommunications/ICTs; mainstreaming accessibility in the development of international telecommunications/ICT standards; and providing education and training on key accessibility issues.

This accessibility side event will highlight the importance of making ICTs accessible for persons with disabilities, effort and achievement of the ITU to mainstream accessibility in ICTs, especially relevant ITU-T standardization work. This side event will also invite speakers from Tunisia to share their experience in making ICTs accessible and provide a platform for WTSA-16 participants to share and discuss their ideas in order to guide ITU in the future.



Wednesday, 2 November 08:30 - 09:30, The Medina Conference Center

## Speakers

- Dr Masahito Kawamori - Project Professor, Graduate School of Media and Governance, Keio University & ITU-T Rapporteur
- Ms Andrea Saks - ICT Accessibility Consultant for Persons with Disabilities & Chair, Joint Coordination Activity on Accessibility and Human Factors (ITU-T JCA-AHF)
- Mr Akihiro Nakatani - Associate Manager, Visual Media Department, ASTEM



#ITUWTSA



# Accessibility Session Agenda

Wednesday 2 November 2016

08:30 – 08:40	<b>Welcome</b>
08:40 – 09:15	<p><b>ITU work on mainstreaming accessibility for ICTs</b></p> <ul style="list-style-type: none"><li>• Ms Andrea Saks, ICT Accessibility Consultant for Persons with Disabilities &amp; Chair, Joint Coordination Activity on Accessibility and Human Factors (ITU-T JCA-AHF)</li></ul> <p><b>ITU-T SG16 standards on ICT accessibility and ITU-T H.702 Showcasing</b></p> <ul style="list-style-type: none"><li>• Dr Masahito Kawamori, Project Professor, Graduate School of Media and Governance, Keio University &amp; ITU-T Rapporteur</li><li>• Mr Akihiro Nakatani - Associate Manager, Visual Media Department, ASTEM</li></ul> <p><b>Tunis' perspective/experience/policy &amp; measures on ICT accessibility</b></p> <ul style="list-style-type: none"><li>• <i>(Speaker to be confirmed)</i></li></ul>
09:15—09:30	<b>Q &amp; A and discussion</b>

# Accessibility Speakers



## **Dr Masahito Kawamori - Project Professor Graduate School of Media and Governance, Keio University & ITU-T Rapporteur**

Since 2009, Mr Kawamori has been the Rapporteur of Question 28 "Multimedia Framework for e-Health Applications" in Study Group 16 of ITU-T. He appeared as speakers at several conferences on e-health, including IEEE-ICC, WSIS, and Telecom World, all in 2011. He actively participated in the collaboration between ITU-T, ITU-D and WHO, and was an active participant in the Joint ITU-WHO Workshop on e-Health Standards and Interoperability, Geneva, 2012. After joining the Information Science Lab, NTT Basic Research Labs, in 1989, he did research and development in artificial intelligence. From 1998 to 2002, he was a research member of "Creating the Brain" Research Project of the JST (Japan Science and Technology Agency)'s CREST ("Core Research for Evolutional Science and Technology") Program. He was also a lecturer, 1998-2006, at the School of Allied Health Sciences, Kitasato University, Japan. In 2004, he led the development with the University of Tokyo, Japan, on a health information system using wearable sensors that measured the hippocampal function in the brain to detect early signs of dementia. He was also a co-chair of ITU-T's Focus Group on Media Accessibility as well as the coordinator of IPTV-Global Standards Initiative.



## **Ms Andrea Saks - ICT Accessibility Consultant for Persons with Disabilities & Chairperson, Joint Coordination Activity on Accessibility and Human Factors (ITU-T JCA-AHF)**

Ms Andrea Saks is an international telecommunications specialist for the deaf. She has been a key person in the creation of all ITU accessibility initiatives and events. She began her work at the ITU starting in 1991 with assisting engineers in writing the first accessibility standard for Text Telephony ITU-T V.18. Her accessibility experience began very early in her life with aiding her deaf parents with telephone calls at the age of two and then later she went on help her father in his work in founding the first deaf text telephone network in the early 1960. She is the Chairman of the Joint Coordination Activity on Accessibility and Human Factors (ITU-T JCA-AHF), which coordinates the accessibility work throughout all of the ITU and communicates directly with other UN agencies. She is also the coordinator of the Internet Governance Forum's Dynamic Coalition on Accessibility and Disability (DCAD) helping to raise accessibility awareness for industry responsibility and for direct inclusion of persons with disabilities globally.



## **Mr Akihiro Nakatani - Associate Manager, Visual Media Department, ASTEM**

Mr Akihiro Nakatani is an Associate Manager at the Visual Media Department of ASTEM, Japan, which provides accessibility services and broadcast channels to persons with disabilities in Japan and the Philippines. His responsibilities are development and operation of video services. He has been actively participating in the implementation of systems to provide accessibility features in IPTV services.





# Practical Information

## Venue details

**MEDINA MEDITERRANEA**  
Rue de La Medina,  
Yasmine Hammamet, 8050  
Tunisia

Tel: (+216) 72 241 000

Website: <http://www.medina.com.tn>

## General information

**Language:** Arabic is the official language, however French is spoken in most regions. English is also spoken in most tourist areas.

**Currency:** The National currency of Tunisia is the Tunisian Dinar. It is a fixed and partially-convertible currency, prohibited from being imported and exported. This means that foreign currency must be exchanged after arrival in Tunisia.

## Getting to the Medina

### Transport

A regular shuttle bus service will be provided free of charge to participants from Tunis Carthage International Airport to the conference venue and to selected hotels. The host will provide transport for all WTSA-16 delegates upon arrival at the Tunis Carthage International Airport to the "[official Hotels](#)", as well as transport from these hotels to the conference centre and back.

The Travel Agency Eden Tours was appointed as our partner for this event to handle your hotel reservation, in & out Airport transfers and the shuttle between your hotel and the Conference Center. The Tunis Carthage International Airport is located 70 Klm from Yasmine Hammamet and 9 km from the city center of Tunis.

### On-site registration

The Conference Registration Service will be located in the corridor after the Ali Baba Entrance and will be accessible without a badge.

## IT Facilities

**Cybercafe & IT service desk:** The IT Service desk is located near the Cybercafé.

**Computer terminals:** Limited number of PCs with multilingual keyboard support and network printers will be provided at the cybercafé.

**Laptop connectivity:** Access to the Internet at WTSA-16 will be available using the LAN technology.

**Webcast:** Selected sessions will be webcast live on the Internet and archives will be made available after the end of each session [here](#)

**Electrical appliances:** Type C and E electrical outlet. Electrical current is 230 volts at a frequency of 50 hertz.



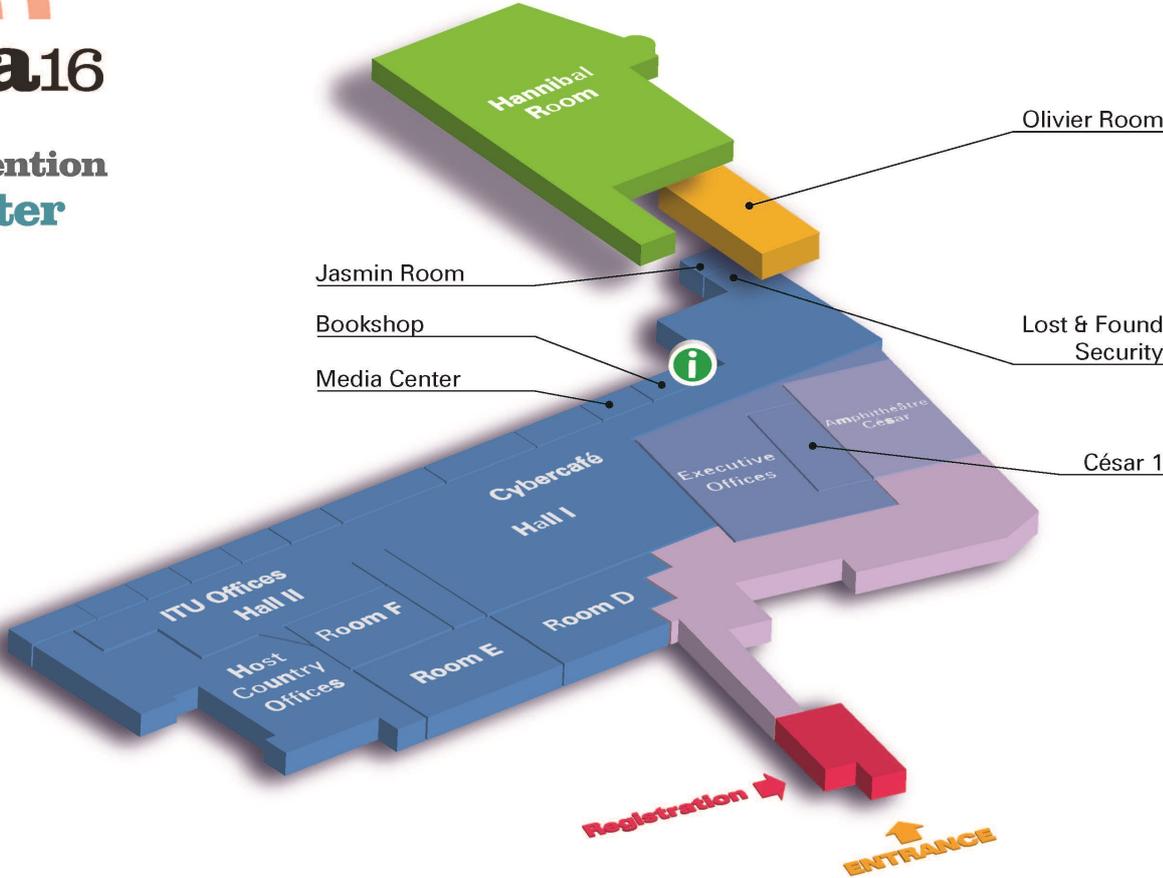
Type C



Type E



# Floor plan



- Legend
- 2<sup>nd</sup> floor
  - 1<sup>st</sup> floor
  - Ground floor



# Setting the standard...

## What is ITU?

ITU is the United Nations specialized agency for information and communication technologies – ICTs. We allocate global radio spectrum and satellite orbits, develop the technical standards that ensure networks and technologies seamlessly interconnect, and strive to improve access to ICTs to underserved communities worldwide.

## Standardization

The Study Groups of ITU's Telecommunication Standardization Sector (ITU-T) assemble experts from around the world to develop international standards known as ITU-T Recommendations which act as defining elements in the global infrastructure of information and communication technologies (ICTs). Standards are critical to the interoperability of ICTs and whether we exchange voice, video or data messages, standards enable global communications by ensuring that countries' ICT networks and devices are speaking the same language.

## Vision

ITU is committed to connecting all the world's people – wherever they live and whatever their means. Through our work, we protect and support everyone's fundamental right to communicate.



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