Sunday, September 08, 2019

Specialized Session

CTO Meeting
Sunday, September 08, 2019, 9:30 AM - 4:00 PM, -

By invitation only.
For more information, please visit https://itu.int/en/ITU-T/tsbdir/cto/

Monday, September 09, 2019

Ceremony

Opening Ceremony
Monday, September 09, 2019, 9:15 AM - 10:00 AM, Ceremony Hall - Hologram

The official event launch, opening ITU Telecom World 2019 before an audience of event participants and special guests, including ministers, regulators, C-level industry representatives, heads of international organizations, exhibitors, Forum speakers and accredited media.

Doors open at 8:30 and guests are kindly asked to be seated by no later than 9:00

Open to all Pass categories

• Speakers
  Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations
  Mr. Francis Gurry, Director General, World Intellectual Property Organization, United Nations
  H. E. Mr. Nguyen Manh Hung, Minister, Ministry of Information and Communications (MIC), Viet Nam
  H. E. Mr. Viktor Orbán, Prime Minister of Hungary, Office of the Prime Minister, -

Networking Event

VIP Tour
Monday, September 09, 2019, 10:00 AM - 11:00 AM, Exhibition

An exclusive opportunity to explore the exhibition at ITU Telecom World 2019, highlighting the unique
mix of technologies, solutions, sectors and countries across National Pavilions, Thematic Pavilions, Independent Stands, and small to medium tech companies.

By invitation only

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**Networking Event**

**Networking Break hosted by KT**

Monday, September 09, 2019, 10:00 AM - 10:45 AM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

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**Forum Session**

**Expanding access with new radio technologies**

Monday, September 09, 2019, 10:45 AM - 12:00 PM, Room 1 - Dynamo

Recent years have seen rapid growth in radio and satellite solutions moving beyond niche solutions to expand connectivity on a global basis, with new use cases such as backhaul for 5G and IoT, new applications ranging from digital financial services to healthcare and smarter cities, and more economical ways to connect the unconnected in rural areas. New developments in satellite technologies, such as small satellites, LEOs, HAPS and non-GSO constellations, are opening up new markets, with innovative new players joining the top established names.

Can these new ways of providing connectivity revolutionize global – and affordable – access? Who are the main stakeholders taking a lead, and which models and markets are being developed? What are the main current technological, regulatory and policy challenges? Do innovative partnerships and cross-sector collaboration hold the key to non-terrestrial connectivity?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- Moderator
  
  Mr. JOAQUIN RESTREPO MEJIA, Head, OPS, International Telecommunication Union, United Nations
Digital technologies and data are transformational, creating vast opportunity for people, governments and firms to live better and be more productive than in the past. However, digital transformation can also reinforce existing divides and may create new ones. Providing equal opportunities for all requires countries to adopt a whole-of-government approach to designing and implementing digital strategies that ensure coordination and coherence across a large range of policies.

The OECD’s Integrated Policy Framework helps countries to develop a whole-of-government approach and to better address horizontal policy issues such as digital divides. For example, effectively addressing skill divides requires policy makers to take into account multiple applications of skills—e.g. to increase effective use of digital technologies, to succeed in digital world of work, or to thrive in a digital society—and respectively coordinate skills policies with other policies in these areas.

Open to all Pass Categories

• Moderator
  Ms. Molly Lesher, Senior Digital Economy Policy Analyst, Organisation for Economic Co-operation and Development, France

• Panellists
  Ms. Eleanor Sarpong, Deputy Director & Policy Lead, A4AI, World Wide Web Foundation, United Kingdom
  Mr. Enrique Medina Malo, Chief Policy Officer, Telefónica S.A., Spain
  Dr. Csaba Kelemen, Head of Department, Ministry for Innovation and Technology, Hungary
  Mr. Paul Mitchell, Senior Director, Internet Governance, Microsoft Corporation, USA
  Mr. Daniel Pataki, Vice President of Regulation, GSMA, Hungary
  Ms. Lina María Duque, Legal Counsel and Dispute Resolution Coordinator, Comisión de Regulación de Comunicaciones (CRC), Colombia
Partner Session

**MSMEs in the Digital Agenda – The Case of Uganda**

Monday, September 09, 2019, 10:45 AM - 12:00 PM, Room 6 - Match

The Micro, Small and Medium Enterprises (MSMEs) are Uganda’s engine for economic growth and development. Over 2.5 million people are employed in this sector, where they account for approximately 90% of the entire private sector, generating over 80% of manufactured output that contributes 20% of the Gross Domestic Product (GDP).

MSMEs are therefore key for entrepreneurial development, poverty alleviation and improved quality of life. They provide the economy with a continuous supply of ideas, skills and innovation necessary to promote competition and the efficient allocation of scarce resources.

Despite playing this important role, MSMEs are running out of business at the rate of 50% annually. They lack sufficient capital to drive their operations and are unable to leverage ICTs for improved performance and profitability. A study conducted by the Federation of Small and Medium Enterprises Uganda (FSMEU) found that 72% of MSMEs in Uganda suffer from a digital skills gap. Two thirds did not know how to use a computer and three quarters had no functional websites. Such challenges hold back high potential MSMEs, yet their growth would benefit the whole value chain, including suppliers, processors, distributors and storage facilities.

The workshop will underscore the importance of MSMEs in Uganda and Africa, highlighting interventions that have been made at policy and regulatory level to help them leverage digitalisation for improved performance.

Open to all Pass categories

- **Moderator**
  Mr. Geoffrey Sengendo, Head, Technical Services: RCDF, Uganda Communications Commission (UCC), Uganda

- **Keynote Speaker**
  Hon. Nyombi Thembo, Director for the Rural Development Fund (RCDF), Uganda Communications Commission (UCC), Uganda

- **Panellists**
  Mr. Barnabás Csikós, Business Development Team Leader, INPUT Program, Hungary
  Mr. CHRISTOPHER CLARK, Head, Marketing and Partner Relations, International
Press Conference

Event Opening Press Conference
Monday, September 09, 2019, 11:00 AM - 11:45 AM, Room 4 - Helicopter

The Press Conference brings together major news agencies and influential global, regional and Hungarian media from within the ICT industry. It highlights what to expect during the week, outlines the core themes to be debated, and illustrates how ITU Telecom World 2019 provides a global platform for governments, corporates and SMEs to explore the power of innovation and collaboration in driving meaningful connectivity.

The Press Conference will feature an influential line-up of speakers including the ITU Secretary-General, high-level representatives from Hungary, the Host Country, and key event participants.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Speakers
  
  Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations
  
  H. E. Mr. László Palkovics, Minister, Ministry for Innovation and Technology, Hungary
  
  Dr. György Schamschula, CEO, Magyar Posta Zrt., Hungary

Exhibition

Exhibition open
Monday, September 09, 2019, 11:00 AM - 6:00 PM, Exhibition

Visit National Pavilions, Industry Stands, Thematic Pavilions and tech SMEs from around the world, showcasing innovative solutions, technologies, national strategies, projects and partnership potential.

Open to all Pass categories

Networking Event
Leaders Lunch hosted by CITC KSA and TRA UAE  
Monday, September 09, 2019, 12:00 PM - 1:30 PM, Lunch Room Hall F

Following the first morning of activities at the event, this high-profile networking lunch offers an exclusive opportunity for leaders to connect with fellow delegates from public and private sectors in an engaging social environment.
Open to Leader Pass holders. Seating is limited and available on a first-come, first-served basis.

Networking Event  
Networking Lunch  
Monday, September 09, 2019, 12:00 PM - 1:30 PM, Forum Foyer

A unique opportunity to connect with high-level representatives from governments and industry, fellow delegates and speakers in the relaxed, social environment of a networking lunch.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders on a first-come first-served basis.

SME Programme  
SME Programme opening and SME Workshop: Storytelling for start-ups: creating a pitch that captures media and audience  
Monday, September 09, 2019, 1:30 PM - 2:30 PM, Innovation Space - Stage A

The SME Programme at ITU Telecom World 2019 will be officially opened with welcome remarks and an introduction to ITU from Mr Christopher Clark.
This will be followed by the SME Workshop on storytelling for startups, exploring how to tell your pitch as a story and capture the attention of your audience, including media, potential investors and partners.
Speaker: Ms Valentina Primo  
Open to all Pass categories

• Speaker  
  Ms. Valentina Primo, Founder and CEO, Startups Without Borders, Egypt
Innovating together: connectivity that matters
Monday, September 09, 2019, 1:45 PM - 3:30 PM, Room 1 - Dynamo

Connectivity is central to development throughout the world, producing a direct, positive and measurable impact on economies and benefiting lives across every sector of society. Ensuring universal access to high-speed Internet, and the services, applications and products it enables, is essential. But it is not enough. To be meaningful, connectivity must be affordable, fit-for-purpose and relevant to local contexts, supported by digital literacy and skills, and accessible to the digitally disenfranchised such as those in rural and remote areas.

What innovative solutions, hybrid technology mixes and cross-sector partnerships can drive universal access? How can innovative regulatory approaches, government initiatives or incentives, and industry models impact on increasing meaningful connectivity? Can we nurture a culture of responsible innovation, rather than innovation for innovation’s sake? How can we work together to bring about meaningful, inclusive and relevant connectivity that improves lives everywhere?

The Forum Summit is the flagship session of ITU Telecom World, setting the scene for the Forum debates to follow with a mixture of keynote speeches and interactive panel discussions. The Forum Summit is an outstanding opportunity for all event participants to hear expert insight, gain international perspectives, and understand the opportunities and challenges of digital transformation at the very highest level.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Mr. Damon Embling, World News and European Affairs Correspondent, Euronews, United Kingdom

Opening Remark
  Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations

• Keynote Speakers
  H. E. Dr. Abdulaziz Bin Salem Al Ruwais, Governor, Communications and Information Technology Commission (CITC), Saudi Arabia
  H. E. Mr. Hamad Al Mansoori, Director-General, Telecommunications Regulatory Authority (TRA), United Arab Emirates

• Panellists
  Ms. Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union, United Nations
  Ms. Amanda Nelson, Chief Executive Officer, Vodafone Hungary, Hungary
  Mr. Francis Gurry, Director General, World Intellectual Property Organization, United Nations
Specialized Session

ITU-T Study Group Leadership Assembly
Monday, September 09, 2019, 2:00 PM - 6:00 PM, Room 5 - Biro

The Study Group Leadership Assembly brings together Chairmen, Vice-Chairmen, Working Party leaders and Rapporteurs of the eleven ITU-T study groups and eight focus groups to discuss technical matters of strategic relevance to ITU standardization, and to identify opportunities for collaboration. See more at https://www.itu.int/en/ITU-T/studygroups/2017-2020/Pages/sgla.aspx

By invitation only

Partner Session

9th ITU Telecom World Spectrum and Technology Workshop
Monday, September 09, 2019, 2:30 PM - 5:00 PM, Room 2 - Cube

Under the theme of “Building a 5G Global Community: Innovation, Openness and Cooperation”, the 9th Spectrum and Technology Workshop will be jointly hosted by International Telecommunications Union (ITU), Global TD-LTE Initiative (GTI), China Mobile and Telecommunication Development Industry Alliance (TDIA) in the afternoon of Sep. 9th in Budapest, Hungary during ITU Telecom World 2019. As 5G approaches, it will unleash the limitless possibilities and enable more exciting services and application in our society. This workshop will bring together delegates from governments, regulators, organizations, operators and industry partners to not only share views on 5G spectrum planning and allocation, 5G development strategy and industrial cooperation, but also discuss the key topics such as how operators serve the vertical market using efficient spectrum and innovative technologies.

The agenda of the session is available here

Open to all Pass categories

- Moderator
  Mr. Magnus Ewerbring, CTO for Asia Pacific, Ericsson, China

- Opening Remarks
Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations

H. E. Mr. Zhaoxiong Chen, Vice Minister, Ministry of Industry and Information Technology (MIIT), China

Mr. Xin Dong, Vice President, China Mobile Communications Corporation, China

• Keynote Speakers
  
  Mr. MARIO MANIEWICZ, Director of the Radiocommunication Bureau, International Telecommunication Union, United Nations
  
  Mr. Osamu Kamimura, Vice President and Head of Spectrum Policy Office, SoftBank Corporation, Japan
  
  Ms. Yuhong Huang, Secretary-General, GTI & Deputy General Manager, China Mobile Research Institute, China
  
  Mr. Balazs Bertenyi, Chairman, 3GPP, Hungary
  
  Ms. Yanbin Li, Deputy Secretary-General, Telecommunication Development Industry Alliance, China
  
  Ms. Karin Thurberg, Director of Product Management Europe Branch, Wireless Network Product Line, Huawei Technologies Sweden AB, Sweden
  
  Mr. Peng Zhao, Senior Director, Government and Regulatory Affairs, GSMA, United Kingdom

• Panellists
  
  Mr. Uwe Baeder, Director, International Relations, Rohde & Schwarz GmbH & Co. KG, Germany
  
  Mr. Yang Wang, Chief Engineer of ICT Department, China Electric Power Research Institute, China
  
  Mr. Juan-Antonio Ibanez, Researcher, Telefon AB - LM Ericsson, Sweden

Sponsored by

GTI 中国移动 TDIA

SME Programme

SME Pitching

Monday, September 09, 2019, 2:45 PM - 5:00 PM, InnovationSpace - Stage A and B

Join the SMEs shortlisted for the prestigious ITU Telecom World Awards as they pitch their innovations and creative ideas to our expert jury of social entrepreneurs and tech visionaries throughout the day.

14:45 – 15:45
Pitching Session 1A (Stage A) and 1B (Stage B)

16:00 – 17:00
Networking Event

Networking Break hosted by KT
Monday, September 09, 2019, 3:30 PM - 4:00 PM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

Sponsored by

Forum Session

Digital integrity: values and principles of the digital future
Monday, September 09, 2019, 4:00 PM - 5:15 PM, Room 1 - Dynamo

Expanding connectivity and building the digital society throughout the world promises enormous socio-economic developmental benefits. But the digital age brings with it very real concerns in terms of trust in technology, privacy and cybersecurity, as well data management issues, concentration of power in a handful of digital stakeholders, fake news, dangers to children online, and the potential for new technologies to be destructive as well as constructive. How can we prepare governments, industries, societies and citizens for the digital future in emerging and developed markets alike? How can we bring together all relevant stakeholders to establish and uphold digital principles in a globalized environment? How can the public sector, international organizations and industry bodies work together to mitigate digital inclusion and the risks of living in a hyper-connected society?

The Forum Summit is the flagship session of ITU Telecom World, setting the scene for the Forum debates to follow with a mixture of keynote speeches and interactive panel discussions. The Forum Summit is an outstanding opportunity for all event participants to hear expert insight, gain international perspectives, and understand the opportunities and challenges of digital transformation at the very highest level.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Mr. Damon Embling, World News and European Affairs Correspondent, Euronews, United
Kingdom

- Panellists
  - Ms. Helena Leurent, Director-General, Consumers International, United Kingdom
  - Mr. Jeremy Godfrey, Chair of the Board of Regulators, Body of European Regulators for Electronic Communications - BEREC, Latvia
  - Mr. Endre Spaller, Vice-President, Government IT Development Agency, Ministry for Innovation and Technology, Hungary
  - Mr. Daniel Pataki, Vice President of Regulation, GSMA, Hungary
  - Mr. Malcolm Johnson, Deputy Secretary-General, International Telecommunication Union, United Nations

Specialized Session

Accelerating digital transformation through ICT centric ecosystem

Monday, September 09, 2019, 4:00 PM - 5:30 PM, Room 4 - Helicopter

World leaders may have embraced the Sustainable Development Goals (SDGs) since 2015, but technology is changing fast, and continuing to disrupt economies and lives everywhere. If we are to accelerate the achievement of the SDGs, technology, innovation, and entrepreneurship must converge through new thinking, and leverage an ecosystem approach to fostering digital development. As newer technologies appear, unexpected challenges in growth, inclusion and job creation arise for policymakers.

The capacity of entrepreneurs to take ideas to market is the biggest source of job creation. Through entrepreneurship, innovators create startups, which can grow to become small and medium businesses, some of which are ultimately able to sustain high growth. National programmes and policies need constant adaptation due to the constantly changing environment – but this is often happening too slowly, increasing the digital innovation divide. What has been the experience of different countries in terms of key actions taken to build competitive innovation ecosystems and close this innovation gap? How can ITU help countries to navigate the changing technology landscape through innovation?

Session supported within the framework of the ITU Regional Initiative for Europe on ICT-Centric Innovation Ecosystems.

Open to all Pass categories
• Moderator
  Dr. Kemal HUSEINOVIC, Chief of the Digital Networks & Society Department, International Telecommunication Union, United Nations

Opening Remark
  Ms. Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union, United Nations

• Panellists
  H. E. Ms. Pinky Kekana, Deputy Minister, Ministry of Communications and Digital Technologies, South Africa
  Ms. Rosarita Niken Widiastuti, Secretary-General, General Secretariat of Ministry of Communication and Informatics, Indonesia
  Ms. Ratka Strugar, General Director, Directorate of Electronic Communications, Postal Service and Radio Spectrum, Ministry of Economy, Republic of Montenegro
  Dr. Konstantinos Masselos, President, Hellenic Telecommunications & Post Commission (EETT), Greece
  Ms. Marta Arsovska Tomovska, Director for PAR/Advisor for IT and Entrepreneurship, Office of the Prime Minister of the Republic of Serbia, Republic of Serbia
  Mr. Leigh Purnell, CEO, Petalite Limited, United Kingdom

Networking Event
LeaderSpace Happy Hour hosted by Rohde & Schwarz
Monday, September 09, 2019, 4:45 PM - 6:00 PM, LeaderSpace

Join international leaders of industry and government in an exclusive, relaxed social gathering following the first day of event activities, hosted by Rohde & Schwarz, leading supplier of wireless communication and RF test and measurement, broadcast and media, cybersecurity and network technology.
Open to Leader Pass and Executive Pass holders

Sponsored by

ROHDE&Schwarz

Networking Event
Host Country Gala Evening
Held in the stunning neo-Renaissance Castle Garden Bazaar complex overlooking the Buda riverfront, the spectacular Gala Evening offers a cocktail reception, buffet dinner and high-level networking at the end of the first day of the event. A full programme of entertainment features the fascinating colours, culture and traditions of the host nation, Hungary, including a dramatic drone show finale. Open to all Leader, Executive, Forum and invited Exhibition pass holders who have confirmed attendance at badge collection plus all media pass holders who have confirmed attendance.

**Tuesday, September 10, 2019**

*Specialized Session*

**ITU Workshop on "The Turing Test for Autonomous Driving - A Global Performance Standard for AI on our Roads" (Part 1)**

Tuesday, September 10, 2019, 9:00 AM - 12:30 PM, Room 4 - Helicopter

There is great promise for the use of Artificial Intelligence (AI) on our roads for assisted, augmented, adapted, automated and autonomous driving. AI can play a significant role to reduce road deaths and injuries (SDG 3.6) while also ensuring safe, affordable, accessible and sustainable transport systems (SDG 11.2).

However, to reduce the 1.3 million annual road deaths we need to define a minimal acceptable performance level to ensure that AI systems continually perform at the level of a competent and careful human driver and never engages in reckless, dangerous or careless driving.

The widespread, socially acceptable, deployment of AI systems on our roads is dependent upon technology achieving public trust. During the AI for Good Global Summit 2019, the #AIforGood community called upon the ITU and the UNECE to establish an open forum and global dialogue between public, industry, regulators and standards bodies to establish a definition of this minimum performance threshold of AI systems on our roads. Ensuring that these AI Drivers remain aware, willing and able to avoid collisions at all times.

Responding to this critical issue, the ITU and ADA - Autonomous Driving Alliance have joined forces to organize an open event hosted at ITU Telecom in Budapest on Tuesday, 10 September. The goal of this event is to present the state of the art in autonomous driving solutions and work together to define what could become the new automotive ‘Turing Test’ for AI on our roads.

Inputs from the impact sessions and interactive afternoon workshop will be used to generate the first roadmap for international collaboration on creating top-down performance standards for AI on our roads.

Please note that the afternoon part of the session will take place in room in the Congress Room of the Expo Congress Hotel.

The dedicated workshop page is available here, along with the detailed agenda, for more information please contact: tsbevents@itu.int
Open to all Pass categories

• Moderator
  Mr. Frederic Werner, Head, Strategic Engagement Division, Telecommunication Standardization Bureau, International Telecommunication Union, United Nations

Opening Remark
  Dr. Chae Sub LEE, Director, Telecommunication Standardization Bureau, Director's Office - TSB, United Nations

• Speakers
  Dr. Hironao Kawashima, Professor Emeritus, Mobility Culture Research Center, Keio University, Japan
  Mr. Stefano Ammirati, Director for Road Safety & Global Advocacy, FIA, France
  Mr. Andras Csepinszky, Director of Advanced Automotive Technology, NNG, Hungary
  Mr. Bryn Balcombe, CSO, Roborace and Director, ADA Innovation Lab Limited, United Kingdom
  Mr. Jun Li, Deputy Secretary-General, Telematics Industry Application Alliance, China
  Mr. Zoltán Hamar, Chief Technology Officer, Automotive Proving Ground Zala Ltd., Hungary
  Mr. Zhong (Noah) Luo, Engineer, Huawei Technologies Co., Ltd., China
  Mr. Dirk Hetzer, Senior Expert, Deutsche Telekom AG, Germany
  Dr. BILEL JAMOUSSI, Chief, Study Groups Department, Telecommunication Standardization Bureau, International Telecommunication Union, United Nations
  Mr. David Lanyi, Head of Deep Learning Methods, Deep Learning Competence Center, Continental Corporation, Hungary
  Mr. Nikolay Nikiforov, Chairman of the Board, Diginavis, Russian Federation
  Mr. Paul Spence, Chief Technologist, McLaren Applied Technologies, United Kingdom
  Mr. David Fidalgo, Co-Founder, Asociación Española del Vehículo Autónomo Conectado (AEVAC), Spain
  Ms. Kirsty Lloyd-Jukes, Chief Executive Officer, Latent Logic, United Kingdom
  Ms. Lina Konstantinopoulou, Secretary-General, EuroRAP, Belgium

Specialized Session

ITU-T Study Group Leadership Assembly
Tuesday, September 10, 2019, 9:00 AM - 6:00 PM, Room 5 - Biro

The Study Group Leadership Assembly brings together Chairmen, Vice-Chairmen, Working Party leaders and Rapporteurs of the eleven ITU-T study groups and eight focus groups to discuss technical matters of strategic relevance to ITU standardization, and to identify opportunities for collaboration.

See more at https://www.itu.int/en/ITU-T/studygroups/2017-2020/Pages/sgla.aspx

By invitation only
Forum Session

AI for ALL? Building on a global ecosystem to boost societal and economic potentials

Tuesday, September 10, 2019, 9:15 AM - 10:30 AM, Room 3 - Plasma

Machine learning software is being deployed at a rapidly-increasing rate across a wide range of applications around the globe, from autonomous driving to lifelong learning in the workplace, assisting in diagnostics and healthcare, agriculture, social inclusion initiatives, and mitigating the effects of climate change. AI is a key topic in both public and private discussions, which focus on its enormous potential – and on the ethical concerns it creates. What are the best use cases, governance models and success stories to date? Beyond its commercial applications, how can we capitalize on the potential of machine learning, and later of AI, to solve some of the most pressing challenges facing humanity? Is the development of AI a new global arms race, or new source of global collaboration? What should the roles of government, private sector and academia be in an AI future? Are we in danger of mirroring the digital divide with an AI gap, and can social innovation keep up with the pace of technological breakthrough? How can AI’s success in meeting global socio-economic challenges be measured – and how can we best ensure it is trusted, safe, equitable and beneficial?

This session will draw on the highlights and outcomes of the third edition of ITU’s AI for Global Good Summit.

This session is part of the Smart ABC programme at ITU Telecom World 2019.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Mr. Gergely Szertics, Lead Business Partner, Artificial Intelligence Coalition of Hungary, Hungary

• Panellists
  Dr. Fruzsina Tari, Innovation Manager, Almotive, Hungary
  Dr. Jeannice Fairrer Samani, Managing Director, Fairrer Samani Group, LLC, USA
  Mr. Gábor Varga, National Technology Officer, Microsoft, Hungary
  Dr. Toshiya Jitsuzumi, Research Professor, Chuo University, Japan
  Mr. Liam Benham, VP of Government and Regulatory Relations, IBM Europe, Belgium

Partner Session

5g + Gigabit: connecting an intelligent future

Tuesday, September 10, 2019, 9:15 AM - 11:45 AM, Room 2 - Cube

The future of the digital economy, from smart sustainable cities to the fourth industrial revolution, will be...
powered by 5G. As more and more industries - and governments - embrace its enormous socio-economic potential, 5G development is accelerating across the globe. What best policy or regulatory approaches can be adopted to encourage investment in and deployment of future networks? What are the most promising 5G site development strategies and most effective 5G spectrum pricing models?

Collaboration with vertical industries will be critical in building the new 5G ecosystems - so how can operators then make best use of innovative technology to serve vertical markets? As gigabit network construction matures technologically and commercially, how will the optical industry develop, and how will partnerships and cooperation shape the gigabit society of the future?

The detailed agenda of the session is available here

Open to all Pass categories

• Moderator
  Mr. Ian Mash, Director, Chief Transformation Office, Carrier Business Group, Huawei Technologies Co., Ltd., United Kingdom

• Opening Remarks
  Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations
  H. E. Mr. László Palkovics, Minister, Ministry for Innovation and Technology, Hungary

• Keynote Speakers
  Dr. János Tremmel, Director of Network Technology, Magyar Telekom Nyrt., Hungary
  Mr. Chaobin Yang, President, 5G Product Line, Huawei Technologies Co., Ltd., China
  Mr. Jeremy Godfrey, Chair of the Board of Regulators, Body of European Regulators for Electronic Communications - BEREC, Latvia
  Mr. Andy Purdy, Chief Security Officer, Huawei Technologies USA, USA
  Mr. Scott McKenzie, Vice President, Coleago Consulting Ltd., United Kingdom
  Mr. Fei(Feigo) Geng, Vice President Wireless & Cloud Core Network Marketing & Solution Sales, Huawei Technologies Co., Ltd., Switzerland
  Mr. Olivier Chiabodo, Founder and CEO, The Explorers, France
  Ms. Maarit Palovirta, Director of Regulatory Affairs, European Telecommunications Network Operators’ Association, Belgium
  Mr. Libiao(Bill) Wang, Vice President Of Transmission & Access Product Line, Huawei Technologies Co., Ltd., China

• Panellists
  Mr. Gergo Budai, Deputy CEO, Vodafone Hungary, Hungary
  Ms. Isabelle Mauro, Director, Head Digital Communications Industry, World Economic Forum LLC, Switzerland
  Mr. Olivier Chiabodo, Founder and CEO, The Explorers, France
  Ms. Maarit Palovirta, Director of Regulatory Affairs, European Telecommunications Network Operators’ Association, Belgium
Specialized Session

Investing in the digital future: towards gigabit infrastructure and society

Tuesday, September 10, 2019, 9:15 AM - 10:30 AM, Room 1 - Dynamo

Investment in ICT infrastructure, such as broadband rollout, is a vital step to promote sustainable development, social integration and the development of gigabit society. An enabling environment is a key determinant of investment dynamics. This session will provide a unique opportunity for dialogue and discussion of high level representatives from public and private sectors, development banks, regional and international organizations. It is held within the framework of the ITU Regional Initiative for Europe on Broadband infrastructure, broadcasting and spectrum management, which aims to facilitate high-speed connectivity through resilient and synergistic infrastructure development, deployment and sharing, whilst ensuring the quality of user experience.

What are the key measures that may help countries attract investment in the ICT sector, and what are the existing and emerging opportunities - as well as related challenges? What mapping systems can be used, including investment opportunities mapping systems and financing opportunities from regional and international financial institutions? How can agile national policies and strategies for digital sustainable development be created? What can be learnt from showcase case studies throughout Europe, in particular South Eastern Europe, and what are the best practices, issues and opportunities commonly encountered?

Open to all Pass categories

• Moderator
  Mr. Jaroslaw PONDER, Head of the ITU Office for Europe, International Telecommunication Union, United Nations

• Panellists
  H. E. Mr. Damjan Manchevski, Minister, Ministry of Information Society and Administration, Republic of North Macedonia
  H. E. Ms. Dorina Cinari, Deputy Minister, Ministry of Infrastructure and Energy, Albania
  Ms. Lise Fuhr, Director General, European Telecommunications Network Operators' Association (ETNO), Belgium
  Mr. Je Myung Ryu, Senior Digital Development Specialist, World Bank, USA
  Mr. Âkos Bòna, Director for International Affairs, The Digital Future Foundation, Hungary
Mr. Enrique Medina Malo, Chief Policy Officer, Telefónica S.A., Spain
Mr. Gabor Korosi, Director of Public and Regulatory Affairs, Telenor Hungary, Hungary
Mr. Po-Wen Liu, Senior Sector Economist, European Investment Bank, Luxembourg
Mr. Attila Gecse, Senior Policy Advisor, Digital Future Foundation, Belgium

Exhibition

Exhibition open
Tuesday, September 10, 2019, 10:00 AM - 6:00 PM, Exhibition

Visit National Pavilions, Industry Stands, Thematic Pavilions and tech SMEs from around the world, showcasing innovative solutions, technologies, national strategies, projects and partnership potential.
Open to all Pass categories

SME Programme

SME Pitching
Tuesday, September 10, 2019, 10:00 AM - 12:30 PM, InnovationSpace - Stage A and B

Join the SMEs shortlisted for the prestigious ITU Telecom World Awards as they pitch their innovations and creative ideas to our expert jury of social entrepreneurs and tech visionaries throughout the day.

10:00 – 11:00
Pitching Session 3A (Stage A) and 3B (Stage B)

11:15 – 12:30
Pitching Session 4A (Stage A) and 4B (Stage B)

Networking Event

Networking Break hosted by KT
Tuesday, September 10, 2019, 10:30 AM - 11:00 AM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders
Networking Event

Angola Pavilion Spotlight
Tuesday, September 10, 2019, 10:30 AM - 11:30 AM, Exhibition - Stand 403A

Meet and connect with high-level government, regulatory and industry representatives of Angola's ICT sector, including leading small and medium businesses, in the Angola Pavilion at ITU Telecom World 2019. Find out more on investment and partnership opportunities, and discover the future of tech innovation in Angola.
We look forward to seeing you at the Angola Pavilion!
Open to all Pass categories.

Forum Session

Ministerial Roundtable: the role of government in 5G and high-capacity network deployment
Tuesday, September 10, 2019, 11:00 AM - 12:15 PM, Room 1 - Dynamo

The first session of the Ministerial Roundtable explores the policy and regulatory frameworks required – or desired – to stimulate the deployment of 5G and high-capacity networks. Operators may be discouraged from investing in 5G-capable networks due to the high cost of infrastructure development and the lack of clarity on 5G applications or demand for 5G services. Given the potential socio-economic value of 5G networks, to what extent should policymakers intervene in creating an environment to encourage investment and deployment? What policy or regulatory incentives are likely to prove most effective? How are governments currently working with industry sectors to assess the benefits of “the industrial internet”? Is potential government support for a specific technology effective – or detrimental?
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders
• Moderator
  Mr. MARIO MANIEWICZ, Director of the Radiocommunication Bureau, International Telecommunication Union, United Nations

• Opening Remarks
  Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations
  Mr. Edward Mingcheng Zhou, Vice President of Global Public Affairs, Huawei Technologies Co., Ltd., China

• Speakers
  H. E. Mr. Ashoke Kumar Biswas, Secretary, Posts and Telecommunications Division, Ministry of Posts, Telecommunications and Information Technology, Bangladesh
  H. E. Mr. László Palkovics, Minister, Ministry for Innovation and Technology, Hungary
  H. E. Mr. Rossen Jeliazkov, Minister, Ministry of Transport, Information Technology and Communications, Bulgaria
  H. E. Mr. Silvio Schembri, Parliamentary Secretary for Financial Services, Digital Economy and Innovation, Office of the Prime Minister, Malta
  Mr. Hoang Minh Cuong, Director General, Viet Nam Telecommunications Authority (VNTA), -
  Ms. Lise Fuhr, Director General, European Telecommunications Network Operators’ Association (ETNO), Belgium
  Mr. Serge Abiteboul, Executive Board Member, Autorité de Régulation des Communications électroniques et des Postes (ARCEP), France
  Mr. Enrique Medina Malo, Chief Policy Officer, Telefónica S.A., Spain
  Mr. Saleem Alblooshi, Chief Technology Officer, Emirates Integrated Telecommunications Company PJSC, United Arab Emirates
  Dr. Américo Muchanga, Chairman of the Board, Autoridade Reguladora das Comunicações de Moçambique, Mozambique

Forum Session

The network operator of 2025

Tuesday, September 10, 2019, 11:00 AM - 12:15 PM, Room 3 - Plasma

Having built the infrastructure underpinning digital transformation, network operators now find
themselves confronted by extensive changes in markets, technologies and value chains. The borders between industries and sectors are disappearing in an increasingly digital environment, opening up opportunities for operators and new players alike. Can network operators retain a leading role in the digital age? How can they leverage potential in areas such as data analytics, AI, digital management practices, automation and simplification in the back office? Will the future look different for international and country-level operators, and how will they evolve or diverge in different income-level markets? Will operators move into content and services, or will new players take on the operators at their own game? What is the role of industry regulators in this new game of thrones?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Mr. Tomas Lamanauskas, Founder and Managing Partner, Envision Associates Ltd., United Kingdom

• Panellists
  Mr. Christoph Steck, Director Public Policy & Internet, Telefónica S.A., Spain
  Mr. Gabriel Solomon, Head of Government & Industry Relations, Europe & Latin America, Ericsson, United Kingdom
  Mr. Dalibor Vavruska, Managing Director, Research and Head of Global Connectivity Strategy, Citibank UK, United Kingdom
  Mr. Ervin Kajzinger, Director of International Affairs and Strategy, National Media and Infocommunications Authority, Hungary
  Ms. Verena Weber, Acting Head of the Communication Infrastructures and Services Policy Unit, Organisation for Economic Co-operation and Development, France

Networking Event

Indonesia Pavilion Spotlight

Tuesday, September 10, 2019, 11:00 AM - 12:30 PM, Exhibition - Stand 502A

Indonesia will be participating in ITU Telecom World 2019 through its Ministry of Communications and Informatics under the theme of “Driving the world digitization initiatives towards universal prosperity”. The Indonesian Pavilion will host the Indonesia Inclusion Day which provides a very good opportunity to meet and connect with high-level government, regulatory and industry representatives of Indonesia’s ICT sector, including Indonesia’s incumbent telecom operator and dynamic startups serving e-education, e-fisheries programs, and others.

Come also to enjoy light snacks and Indonesia’s great-tasting coffee!

We look forward to seeing you at the Indonesia Pavilion!

Open to all Pass categories.
Panel Lunch hosted by Japan - Cutting-edge connections: exploring ICT Innovation in Japan

Tuesday, September 10, 2019, 12:15 PM - 1:45 PM, Ceremony Hall - Hologram

This session introduces some of Japan's unique cutting-edge ICT technologies which are helping us to connect to our neighbours, communities, societies and the world. Taking advantage of the unique opportunity offered by ITU Telecom World 2019, we hope to share our thoughts, experiences, ideas and tips for connecting through ICT with as many participants as possible.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders on a first-come first-served basis

• Speakers

  H. E. Ms. Kuni Sato, Ambassador Extraordinary and Plenipotentiary of Japan to Hungary, Embassy of Japan, Hungary
  Dr. Naoto Kadowaki, Vice President, National Institute of Information and Communications Technology (NICT), -
  Mr. Osamu Kamimura, Vice President and Head of Spectrum Policy Office, SoftBank Corporation, Japan
  Ms. Hatsumi Tanaka, CEO, Welltool Co., Ltd., Japan
  Mr. Takeshi Kawabe, President, Japan Battery Regeneration, Inc., Japan
  Mr. Futoshi Sasaki, Deputy General Manager, MVNO Division, Internet Initiative Japan Inc., Japan
  Mr. Masanori Katsura, CEO, Zeus, Inc, Japan

Networking Event

Networking Lunch hosted by CITRA Kuwait
A unique opportunity to connect with high-level representatives from governments and industry, fellow delegates and speakers in the relaxed, social environment of a networking lunch. Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders on a first-come first-served basis

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Forum Session

Ministerial Roundtable: what’s happening with our data? Securing trust in digital public services

Tuesday, September 10, 2019, 2:00 PM - 3:15 PM, Room 1 - Dynamo

In May 2018, the General Data Protection Regulation (GDPR) governing data protection and privacy for all individuals within the EU and EEC came into effect. However, issues of data security, consumer trust and responsibility for preserving, exploiting, and eventually erasing data, remain prevalent. How has GDPR changed how data is handled in the public and personal arenas, what lessons have been learnt in the past year, and should similar legislation be introduced worldwide? How has it affected larger and smaller companies, and what benefits has it brought consumers? What is the role of government in creating and maintaining public trust in digital technologies? How are governments currently ensuring the security of sensitive data used to provide innovative, beneficial public services? Is there a risk that citizens may in the future choose to opt out of providing data? How can different branches of government collaborate to preserve trust and security in the digital administration?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  
  Mr. Malcolm Johnson, Deputy Secretary-General, International Telecommunication Union, United Nations

• Speakers
  
  Mário Augusto da Silva Oliveira, Secretary of State for Telecommunications and Information Technologies, Ministry of Telecommunications, Information Technologies and Social Communication, Angola
  
  H. E. Mr. Damjan Manchevski, Minister, Ministry of Information Society and Administration,
Republic of North Macedonia
H. E. Ms. Kamissa Camara, Ministre, Ministère de l’Economie numérique et de la Prospective, Mali
H. E. Mr. Elmir Tofiq Oglu Velizadeh, Deputy Minister, Ministry of Transport, Communications and High Technologies of the Republic of Azerbaijan, Azerbaijan
H. E. Kazembe Kazembe, Minister, Ministry of Information Communication Technology, Postal and Courier Services, Zimbabwe
H. E. Ms. Pinky Kekana, Deputy Minister, Ministry of Communications and Digital Technologies, South Africa
H. E. Dr. Naeem Th. Yousir, Minister, Ministry of Communications, Iraq
Ms. Gisa Fuatai Purcell, Acting Secretary-General and Director, ICT Development, Commonwealth Telecommunications Organisation, United Kingdom
Dr. Ram Sewak Sharma, Chairman, Telecom Regulatory Authority of India (TRAI), India
Mr. Keng Thai Leong, Deputy Chief Executive (International & Corporate), InfoComm Media Development Authority, Singapore
Dr. Luis Neves, CEO, Global Enabling Sustainability Initiative (GeSI), Belgium

Forum Session

5G: the state of play
Tuesday, September 10, 2019, 2:00 PM - 3:15 PM, Room 4 - Helicopter

The future is 5G – and its advanced capabilities, high reliability, low latency and high speed will fundamentally transform societies and industries throughout the world. But when will the future be here – or has it already arrived? What is the current state of 5G network deployment in various emerging and developed markets? What concrete use cases and innovative applications have already been developed? What successful business models will best balance the cost of investment and uncertain demand against 5G’s tremendous potential? Can any single stakeholder do it alone, or are collaborative partnerships not only smart, but essential? Should the 5G focus move beyond industrial growth towards providing a better platform to meet basic human needs throughout the world? Is it feasible for an emerging market to leapfrog to 5G or should they consider the current implementation of 4G networks?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Ms. Diana TOMIMURA, Spectrum Regulation and Policy Advisor, International Telecommunication Union, United Nations

• Panellists
  Mr. Dominique Würges, Director, International Relations, Orange, France
  Ms. Jennifer Manner, Senior Vice President of Regulatory Affairs, EchoStar Operating LLC, USA
  Mr. Marc Vancoppenolle, Global Head of Nokia Government Relations, Nokia, Belgium
  Professor Umar Garba Danbatta, Executive Vice Chairman and Chief Executive Officer, Nigerian
Forum Session

Universal financial inclusion access through innovative FinTech and Digital Currency
Tuesday, September 10, 2019, 2:00 PM - 3:15 PM, Room 3 - Plasma

The absence of basic financial services represents a barrier to socio-economic development throughout the world, in particular in developing countries. With more than 7 billion mobile cellular subscriptions worldwide, however, increasing access to and use of ICTs is opening up increased access to financial services. Central Bank Digital Currencies and Currency-Pegged Stablecoins can be also an alternative form of e-money and contribute further to the goals of Universal financial access. How can Central Banks achieve the goals of financial inclusion through Digital Currency? Are Central Bank issued digital currencies and stablecoins equivalent to e-money? What are the technologies behind Central Bank Digital Currency? Which innovative financial technologies (FinTech) are leading the way in providing financial services to unbanked populations? How can ICT and financial services industry players - and their regulatory bodies - drive FinTech innovation towards smart and secure digital financial services?

This session is part of the Smart ABC programme at ITU Telecom World 2019.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Ms. Nadia Abouayoub, Strategist and Improvement Lead, British Computer Society, United Kingdom

• Panellists
  Mr. Innocent Bagamba Muhizi, Chief Executive Officer, Rwanda Information Society Authority, Rwanda
  Mr. James Gabriel Claude, Chief Executive Officer, Global Voice Group, Spain
  Ms. Laura Munoz, Engagement Manager, Centre for Financial Regulation and Inclusion - CENFRI, South Africa
  Mr. Thomas Lammer, Principal Market Infrastructure Expert, European Central Bank, Germany
  Ms. Isabelle Corbett, Head of Regulatory Affairs, R3, USA
  Mr. László Balogh, Deputy State Secretary, Ministry of Finance, Hungary

Partner Session

Fixed wireless technology for affordable broadband development
Now that more than half of the world’s population is online, achieving the Broadband Commission for Sustainable Development’s seven ambitious 2025 targets in support of “Connecting the Other Half” of the world’s population will require innovative policies, technologies and technical solutions to address in particular the broadband connectivity gap and network affordability challenges.

This session will examine the role wireless access plays in sustainable broadband development focusing on 4G/5G Fixed Wireless Access (FWA), a novel technical approach to extend broadband connectivity. This technical solution enables the upgrade from low-speed broadband to higher speed broadband, taking into consideration the need for affordable access, and addresses in particular the challenges of rural coverage and low-speed copper upgrade. This session will also explore the need to consider wireless broadband technologies in digital policies to benefit all ICT stakeholders involved in the "connecting the other half" plan, including regulators, operators, vendors, and more.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- Moderator
  Mr. Jose Maria Diaz Batanero, Strategy and Policy Coordinator, International Telecommunication Union, United Nations

Opening Remark
Ms. Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union, United Nations

- Keynote Speaker
  Mr. Honghua Peng, Chief Marketing Officer, Huawei Technologies Co., Ltd., China

- Panellists
  Mr. Bram Over, Impact Project Manager, Close the Gap, Belgium
  Mr. Saša Leković, CTIO Serbia and Montenegro, PPF Group, Republic of Serbia
  Professor Tim Unwin, Emeritus Professor of Geography and Chairholder of the UNESCO Chair in ICT4D, Royal Holloway, University of London, United Kingdom
  Mr. Yiqu Zhang, President of Wireless Broadband, Huawei Technologies Co., Ltd., China
  Mr. Bocar A. Ba, Chief Executive Officer, SAMENA Telecommunications Council FZ LLC, United Arab Emirates
  Dr. Américo Muchanga, Chairman of the Board, Autoridade Reguladora das Comunicações de Moçambique, Mozambique
Specialized Session
ITU Workshop on "The Turing Test for Autonomous Driving - A Global Performance Standard for AI on our Roads" (Part 2)
Tuesday, September 10, 2019, 2:00 PM - 5:30 PM, Congress Room, Expo Congress Hotel

There is great promise for the use of Artificial Intelligence (AI) on our roads for assisted, augmented, adapted, automated and autonomous driving. AI can play a significant role to reduce road deaths and injuries (SDG 3.6) while also ensuring safe, affordable, accessible and sustainable transport systems (SDG 11.2).

However, to reduce the 1.3 million annual road deaths we need to define a minimal acceptable performance level to ensure that AI systems continually perform at the level of a competent and careful human driver and never engages in reckless, dangerous or careless driving.

The widespread, socially acceptable, deployment of AI systems on our roads is dependent upon technology achieving public trust. During the AI for Good Global Summit 2019, the #AIforGood community called upon the ITU and the UNECE to establish an open forum and global dialogue between public, industry, regulators and standards bodies to establish a definition of this minimum performance threshold of AI systems on our roads. Ensuring that these AI Drivers remain aware, willing and able to avoid collisions at all times.

Responding to this critical issue, the ITU and ADA - Autonomous Driving Alliance have joined forces to organize an open event hosted at ITU Telecom in Budapest on Tuesday, 10 September. The goal of this event is to present the state of the art in autonomous driving solutions and work together to define what could become the new automotive ‘Turing Test’ for AI on our roads.

Inputs from the impact sessions and interactive afternoon workshop will be used to generate the first roadmap for international collaboration on creating top-down performance standards for AI on our roads.

The dedicated workshop page is available here, along with the detailed agenda, for more information please contact: tsbevents@itu.int

Open to all Pass categories

• Moderator
  
  Mr. Frederic Werner, Head, Strategic Engagement Division, Telecommunication Standardization Bureau, International Telecommunication Union, United Nations

• Speakers
  
  Mr. Dirk Hetzer, Senior Expert, Deutsche Telekom AG, Germany
SME Programme

SME Pitching
Tuesday, September 10, 2019, 2:30 PM - 5:00 PM, InnovationSpace - Stage A and B

Join the SMEs shortlisted for the prestigious ITU Telecom World Awards as they pitch their innovations and creative ideas to our expert jury of social entrepreneurs and tech visionaries throughout the day.

14:30 – 15:30
Pitching Session 5A (Stage A) and 5B (Stage B)

16:00 – 17:00
Pitching Session 6A (Stage A) and 6B (Stage B)

Networking Event

Networking Break hosted by KT
Tuesday, September 10, 2019, 3:15 PM - 3:45 PM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders
**Forum Session**

5G testbeds: laying the groundwork for smart cities

Tuesday, September 10, 2019, 3:45 PM - 5:00 PM, Room 3 - Plasma

5G is the key enabler of tomorrow’s digital economy, linking smartphones and wireless sensors, driving smart sustainable cities and powering the fourth industrial revolution. Such is its unprecedented potential that many 5G applications and services are yet to be discovered or understood. Governments around the world have now begun investing in testbeds enabling different industry verticals to work together on 5G solutions.

What challenges are testbeds helping to solve? What models exist currently? Who are the main players in creating and operating test environments, and what roles have they adopted? How are 5G testbeds laying the groundwork for the smart cities of the future? How important is collaboration between public and private sectors? How can 5G-ready policy frameworks, standardization and global harmonization accelerate 5G deployment?

This session is part of the Smart ABC programme at ITU Telecom World 2019.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- **Moderator**
  
  Mr. Bálint Végh, Advisory Senior Manager, PwC, Hungary

- **Panellists**
  
  Dr. Andrea Bausz, Head of Core Network Design Centre, Magyar Telekom Nyrt., Hungary
  Mr. Zoltán Hamar, Chief Technology Officer, Automotive Proving Ground Zala Ltd., Hungary
  Dr. Abdur Rahim Biswas, Project Director, WUZIUP, FBK Create-Net, Italy
  Mr. Andreas Kaiser, Director Traffic Analytics for 5G and Smart City / IoT, Rohde & Schwarz GmbH & Co. KG, Germany

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**Forum Session**

Ministerial Roundtable: stimulating public-private collaboration on connectivity and adoption

Tuesday, September 10, 2019, 3:45 PM - 5:00 PM, Room 1 - Dynamo

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Session list
Around 90% of the world’s population is covered by at least 2G or 3G services, yet internet adoption remains at barely 51%. Accelerating universal connectivity, and the socio-economic development it brings, involves enormous investment in infrastructure – but also affordable, relevant services and applications, meaningful content in local languages, digital skills and awareness. None of this is possible without political will and multi-sector partnerships.

How can public and private sectors work together in different markets to drive adoption in underserved, rural and remote areas? What innovative partnerships are possible with stakeholders across the digital ecosystem such as NGOs, international organizations, civic groups, communities and academia? How important is the role of digital public services in stimulating take-up and providing new markets? What makes for a successful cross-sector collaboration, and what are the principle challenges that remain?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- **Moderator**
  - Ms. Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union, United Nations

- **Speakers**
  - Mr. Anang Latif, CEO of Agency of Telecommunication and Information Accessibility (ICT USO Fund Agency), Ministry of Communication and Informatics, Indonesia
  - H. E. Hipolito Ondo Envo Bela, Vice-Minister, Ministerio de Transportes, Correos y Telecomunicaciones, Equatorial Guinea
  - H. E. Mr. Mahendra Man Gurung, Secretary, Ministry of Communication and Information Technology (MoCIT), Nepal
  - H. E. Ms. Ursula G. Owusu Ekuful, Minister, Ministry of Communications, Ghana
  - H. E. Mr. Moustapha Mamy Diaby, Minister, Ministère des Postes, des Télécommunications et de l’Économie Numérique, Guinea
  - Dr. Milica Pejanović, Ambassador/Permanent Representative of Montenegro to UN, Permanent Mission of Montenegro to the United Nations in New York, Republic of Montenegro
  - Mr. Salem Avan, Director, Policy, Governance, and Strategy Division, United Nations Office of Information and Communication Technology, USA
  - Ms. Eleanor Sarpong, Deputy Director & Policy Lead, A4AI, World Wide Web Foundation, United Kingdom
  - Mr. Gabriel Solomon, Head of Government & Industry Relations, Europe & Latin America, Ericsson, United Kingdom
  - H. E. Mr. Mohamadou Saoudi, Permanent Secretary, Ministère des Postes et Télécommunications, Cameroon

**Partner Session**

**Partner session by CSAIA**
Tuesday, September 10, 2019, 3:45 PM - 5:00 PM, Room 2 - Cube

Opening Remark
Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations

• Speakers
Mr. Ping Wang, Vice President, China Satellite Application Industry Association (CSAIA), China
Mr. Zhangshu Sheh, President, Beijing Star Time Telecommunications Technology Co., China
Mr. Walter Situ, Manager, PCCW Global, China

Consultation meeting
Consultation Session for Member States: promoting tech SMEs and innovation
Tuesday, September 10, 2019, 4:00 PM - 5:30 PM, Room 6 - Match

Over 90%[1] of all businesses worldwide are Small and Medium-Sized Enterprises (SMEs). SMEs are a source of new ideas and innovation. This event is the first in a series of consultations to promote and engage SMEs in ITU’s work. Special efforts are needed to help SMEs join the ITU family and become active participants.

In this context, Member States are invited to discuss how to build an enabling environment for SMEs: What are some best practices on existing national policies and their impact on the economy? Which initiatives and programs can support tech SMEs? What are the needs and expectations of SMEs? How could we better engage and support SMEs in the work of ITU? How can we strengthen collaboration?

Open to all Member States. Please contact sme@itu.int

[1] SME Competitiveness Outlook 2019, ITC.

Networking Event
LeaderSpace Happy Hour hosted by Science4data
Tuesday, September 10, 2019, 4:45 PM - 6:00 PM, LeaderSpace

Join international leaders of industry and government in an exclusive, relaxed social gathering following a busy day of event activities.

Open to Leader Pass and Executive Pass holders
Networking Event

GSMA Cocktail Reception
Tuesday, September 10, 2019, 6:30 PM - 10:30 PM, Vigado Concert Hall

An opportunity to relax, make new connections and exchange views in the wonderful environment of the Vigado Concert Hall, hosted by GSMA.

A bus service will depart for the Vigado Concert Hall from 17:45 from the pick up area next to the Registration Hall (Hall 3) at Hungexpo (map)

By invitation only. Please send your RSVP to spectrumevents@gsma.com

Wednesday, September 11, 2019

Specialized Session

Focus Group on Vehicular Multimedia (FG-VM)
Wednesday, September 11, 2019, 9:00 AM - 6:00 PM, Room 6 - Match

Join us on 11 and 12 September in shaping the multimedia system of the future vehicles. The FG-VM serves as an open platform for worldwide stakeholders to advance studies on Vehicular Multimedia technologies in order to identify relevant gaps in standardization activities and to derive use cases, possible requirements and architectures. Participation is open to all.

WEB: https://itu.int/en/ITU-T/focusgroups/vm

IMPORTANT: To work with us and access the documents, a free ITU user account is required.

CONTACT: tsbfgvm@itu.int

Open to all Pass categories
**Forum Session**

**Strategies to boost climate action in the ICT sector**

Wednesday, September 11, 2019, 9:15 AM - 10:30 AM, Room 3 - Plasma

2019 marks the 25th anniversary of the United Nations Convention on Climate Change. As the effects of climate change have become more evident, the discussion has shifted to focus on how to boost climate action to meet the ambitious emission reduction targets defined in the 2015 Paris Agreements. In this context, what is the ICT sector doing to address its own carbon footprint? What measures have already been put in place to measure progress towards greening the ICT sector? Is it possible to be a digital champion and a climate champion at the same time? How is the ICT sector embracing the principles of a circular economy? This session, organized with the Global e-Sustainability Initiative, will present current trends in advancing sustainability in one of the most thriving sectors of the economy. The session will also feature the work conducted within ITU-T study group 5.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- **Moderator**
  
  Dr. BILEL JAMOUSSI, Chief, Study Groups Department, Telecommunication Standardization Bureau, International Telecommunication Union, United Nations

- **Panellists**
  
  Mr. Michel Fraisse, Europe VP & CTO Network Energy, Huawei Technologies Co., Ltd., France
  
  Mr. Jean Manuel Canet, Vice Chairman ITU-T Study Group 5, Orange, France
  
  Mr. George Kamiya, Analyst, International Energy Agency, France
  
  Mr. Joost De Kluijver, Founder and CEO, Closing the Loop B.V, Netherlands
  
  Dr. Yanying Li, Vice President, Sustainability, Global Enabling Sustainability Initiative (GeSI), Belgium

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**Forum Session**

**Regulatory dialogue: spectrum challenges ahead of WRC-19**

Wednesday, September 11, 2019, 9:15 AM - 10:30 AM, Room 1 - Dynamo

This October, over 3,000 delegates will gather at ITU’s pivotal World Radiocommunication Conference 2019 in Egypt to review and revise the Radio Regulations on the use of radio frequency spectrum and satellite orbits. Coordination, compromise and collaboration will be essential in the face of determined, disparate demands for limited spectrum resources from different industry sectors and geographies. How can sufficient spectrum be made available for 5G services to flourish? Who are the new stakeholders and what are the new technologies and markets lobbying for frequency? Who are the incumbent services and how will they be impacted? How can innovation, socio-economic development and universal service
be balanced in terms of spectrum allocation? What are the principle issues, trends and challenges at WRC 19 – and how can the spectrum conundrum be cracked?
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Ms. Joanne WILSON, Deputy to the Director, Radiocommunication Bureau, International Telecommunication Union, United Nations

• Panellists
  Ms. Elizabeth Migwalla, Senior Director and Head of Government Affairs-Africa, Qualcomm, Inc., South Africa
  Mr. Victor D. Sparrow, Director, Spectrum Policy and Planning, National Aeronautics and Space Administration - NASA, USA
  Ms. Aarti Holla Maini, Secretary General, EMEA Satellite Operators Association (ESOA/GSC), Belgium
  Ms. Luciana Camargos, Senior Director of Future Spectrum, GSMA, United Kingdom
  Ms. Elena Puigrefagut, Senior Project Manager, Technology & Innovation, European Broadcasting Union, Switzerland
  Dr. Américo Muchanga, Chairman of the Board, Autoridade Reguladora das Comunicações de Moçambique, Mozambique
  Mr. John Omo, Secretary-General, African Telecommunications Union, Kenya
  Dr. Péter Vári, Deputy Director-General, National Media and Infocommunications Authority, Hungary

Forums Session
AI, financial services and smart cities: harnessing technology for human good
Wednesday, September 11, 2019, 9:15 AM - 10:30 AM, Room 4 - Helicopter

Technological developments in artificial intelligence, digital financial services and smart cities have enormous potential to transform our societies and the world in general, enabling solutions, applications and new markets to a far greater extent than human capability alone. New regulatory approaches or a new kind of global framework may be necessary, however, to ensure these new technologies are put to work for the benefit of humankind.

How can we regulate the decisions, actions and impact of technology for social good, and who should be responsible? How should we manage the ownership, exploitation and implementation of new types of datasets generated by digital financial services? Can AI empower financial services and smart cities, providing better data to improve performance? And can we balance human and machine input and initiatives to ensure optimal, secure and trusted customer service?

This session is part of the Smart ABC programme at ITU Telecom World 2019.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders
Partner Session

Our place in Europe: expanding the Digital Agenda in the West Balkans

Wednesday, September 11, 2019, 9:15 AM - 10:30 AM, Room 2 - Cube

The positive effect and results of the Digital Agenda on all EU Member States have been undeniable for nearly a decade now. High-speed broadband network speeds, coverage and quality in the EU are amongst the best in the world, and the introduction of 5G in many member states in the near future will ensure Europe’s leading role in both technology and digital services.

The Digital Future Foundation continues to work hard to equip individuals and SMEs with digital skills in order to maintain a competitive edge in all new types of labour force requirements. The digital integrity of the West Balkans is a top priority in terms of the development of high-speed broadband networks, digital skills and new types of services. This panel session will follow up on the initial agreement between the WB6 countries and the Commission to speed up the integration of Digital Agenda into the West Balkan countries even before they become full members of the EU. "Our place in Europe" is a panel where challenges will meet solutions.

Open to all Pass categories

• Moderator
  Mr. Ákos Böna, Director for International Affairs, The Digital Future Foundation, Hungary
• Panellists
  
  H. E. Ms. Dorina Cinari, Deputy Minister, Ministry of Infrastructure and Energy, Albania
  H. E. Saša Dalipagic, Deputy Minister of Communications and Transport, Ministry of Communications and Transport, Bosnia and Herzegovina
  Dr. Pranvera Kastrati, Senior Expert on Economic and Digital Connectivity, Regional Cooperation Council, Bosnia and Herzegovina
  Mr. Jaroslaw PONDER, Head of the ITU Office for Europe, International Telecommunication Union, United Nations

Sponsored by

[Image]

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**Exhibition**

**Exhibition open**

Wednesday, September 11, 2019, 10:00 AM - 6:00 PM, Exhibition

Visit National Pavilions, Industry Stands, Thematic Pavilions and tech SMEs from around the world, showcasing innovative solutions, technologies, national strategies, projects and partnership potential.

Open to all Pass categories

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**SME Programme**

**SME Workshop: Imposter Syndrome**

Wednesday, September 11, 2019, 10:00 AM - 11:30 AM, Innovation Space - Stage A

According to Scientific American, "the Impostor Syndrome is a pervasive feeling of self-doubt, insecurity, or fraudulence, despite often overwhelming evidence to the contrary. It strikes smart, successful individuals." It’s that feeling of “Oh, that good thing that happened? That was just dumb luck. I was in the right place at the right time.”

How many of you have felt like this? This, my friend, is Imposter Syndrome and we have a ten point plan for banishing your internal doubts about your accomplishments. You are not a fraud! Join tech leaders - Melissa, Dona and Actual Imposter Jeremiah - to hear about how they overcame their fears of being imposters and turned their biggest fears into their superpowers.

• Speakers
  
  Ms. Dona Sarkar, Head of the Insider Program, Microsoft Corporation, USA
SME Programme

Digital Showcasing
Wednesday, September 11, 2019, 10:00 AM - 11:30 AM, Innovation Space - Stage B

- E-Telecom Consultancy
- GlobalVoice Group
  World In Sign LLC, USA

Networking Event

Networking Break hosted by Digital Future Foundation
Wednesday, September 11, 2019, 10:30 AM - 11:00 AM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

Ghana Pavilion Spotlight
Wednesday, September 11, 2019, 10:30 AM - 11:30 AM, Exhibition - Stand 601A

Background
Ghana will be participating through its Ministry of Communications at ITU Telecom World 2019, in Budapest, Hungary. As the Ministry responsible for the development of communication and technology in Ghana, its mission is to pursue policies that will support and lead to the cost-effective creation of information and communications infrastructure and services, and the implementation of Ghana’s Digital Agenda.

Why should Exhibition Visitors come to our pavilion?
Under the title “Ghana – On a Digital Agenda”, the Ghana Pavilion, 601A, will host agencies under the
Ministry, including the National Communications Authority, and some SMEs who are contributing to the attainment of Ghana’s Digital Agenda.

Meet and connect with high-level government, regulatory and industry representatives of Ghana’s dynamic ICT sector, including leading small and medium businesses, in the Ghana Pavilion at the heart of the ITU Telecom World 2019 showfloor. Explore innovative projects in e-government and digital education, find out more on investment and partnership opportunities - and discover Ghana’s world of tech!

We look forward to seeing you at the Ghana Pavilion to explore “Ghana –On A Digital Agenda!”

Open to all Pass categories.

Sponsored by

Ghana

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**Forum Session**

**Are you listening, Alexa? Security in connected devices**

Wednesday, September 11, 2019, 11:00 AM - 12:15 PM, Room 3 - Plasma

Of course she is – and so are Siri, Google Home, and all our other smart home and smartphone devices. Enjoying the convenience and benefits of devices and the always-on connected life comes with an implicit price: our data. What do our devices really collect, how do they store our data and what do they use it for? Who owns our data, what happens if it falls into the wrong hands, and do we have any right to redress? What are users, companies or the government prepared to sacrifice for the use of connected devices? Is more security in everybody’s interest – and is it even possible?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- **Moderator**
  
  Mr. Miklós András Danka, Product Manager and Developer, Palantir Technologies, USA

- **Opening Remark**
  
  Dr. Kemal HUSENOVIC, Chief of the Digital Networks & Society Department, International Telecommunication Union, United Nations

- **Panellists**
  
  Ms. Isabella De Michelis, CEO, CSO & Founder, ErnieApp Limited, Ireland
  
  Mr. Bret Jordan, Director Cyber Security, Office of the CTO, Broadcom Corporation, USA
  
  Professor Nathalie Devillier, Research Professor, Grenoble Ecole de Management, France
Forum Session

Frontier technologies for climate change

Wednesday, September 11, 2019, 11:00 AM - 12:15 PM, Room 2 - Cube

Frontier technologies including artificial intelligence (AI), blockchain, additive manufacturing, renewable energy and big data have enormous potential to drive prosperity and protect the planet. New technologies can be used to leapfrog existing solutions and bring transformative benefits to people, the economy and the environment, significantly accelerating efforts to reach the United Nations’ Sustainable Development Goals. How can frontier technologies be harnessed to reduce greenhouse gas emissions, foster low-carbon, climate-resilient sustainable growth and adapt to climate change? Which solutions have the greatest potential positive impact? What government policies and regulatory approaches can best ensure economic development and sustainability are equitable and available to all? How important is international cooperation in driving technology transfers, national innovation and harmonization of technology standards on the new frontiers?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  
  Yushi Torigoe, Chief, Strategic Planning and Membership, International Telecommunication Union,

• Panellists
  
  Mr. Philippe TUZZOLINO, Vice President, Environment, Orange, France
  Mr. Joel Alexander Mills, Chief Executive Officer, Augment City AS, Norway
  Dr. Paolo Gemma, Chairman, ITU-T Study Group 5 Working Party 2, ITU, Huawei Technologies Co., Ltd., Italy
  Mr. Mohammed Traoré, Digital and Innovation Advisor, Organisation internationale de la Francophonie, France
  Dr. Faizal Djoemadi, Chief of Digital & Innovation Officer, PT. Telekomunikasi Indonesia Tbk, Indonesia
  Mr. Salem Avan, Director, Policy, Governance, and Strategy Division, United Nations Office of Information and Communication Technology, USA
The ripple effect of Spectrum pricing on economies
Wednesday, September 11, 2019, 11:00 AM - 12:15 PM, Room 1 - Dynamo

Spectrum policy experts and economists have long debated the impact of spectrum pricing on investment and consumer prices in mobile markets. A study by GSMA Intelligence provides, for the first time, robust empirical evidence that shows more expensive spectrum can - and has indeed - harmed consumers in both developed and developing countries. The findings have important ramifications for regulators, especially those that are prioritising improved coverage and increased investment in 4G and 5G.

The detailed agenda of the session is available here
Open to all Pass categories

• Moderator
  Mr. Brett Tarnutzer, Head of Spectrum, GSMA, United Kingdom

Opening Remark
  Mr. Houlin Zhao, Secretary-General, International Telecommunication Union, United Nations

• Keynote Speaker
  Mr. Kalvin Bahia, Principal Economist, GSMA, United Kingdom

• Panellists
  Ms. Isabelle Mauro, Director, Head Digital Communications Industry, World Economic Forum LLC, Switzerland
  Ms. Joanne WILSON, Deputy to the Director, Radiocommunication Bureau, International Telecommunication Union, United Nations
  Mr. Robert Middlehurst, Vice President International Regulatory Affairs, Emirates Telecommunication Corporation - Etisalat, United Arab Emirates
  Mr. Je Myung Ryu, Senior Digital Development Specialist, World Bank, USA
  Mr. Gabriel Solomon, Head of Government & Industry Relations, Europe & Latin America, Ericsson, United Kingdom

• Closing Remark
  Mr. Peng Zhao, Senior Director, Government and Regulatory Affairs, GSMA, United Kingdom
Specialized Session

Developing digital agriculture strategies in Europe and Central Asia
Wednesday, September 11, 2019, 11:00 AM - 12:30 PM, Room 5 - Biro

Held within the framework of the ITU Regional Initiative for Europe on Information and Communication Technology-centric Innovation Ecosystems, which aims to establish a sustainable culture of innovation through concrete strategic actions using ICTs as an enabler, this session will bring together high-level stakeholders from ICT and agriculture ministries and regulatory bodies. It will provide a unique opportunity for dialogue and discussion between ITU, FAO, ministers and regulators in the e-agriculture domain, focusing on sharing best practices and case studies, highlighting gaps and identifying sustainable funding models to support e-agriculture. It will create a platform to strengthen national, international and cross-sectoral cooperation in e-agriculture strategies and cross-border regulation systems.

Open to all Pass categories

• Moderators
  Ms. Sophie Treinen, Information and Knowledge Management Officer, FAO Regional Office for Europe and Central Asia, Hungary
  Mr. Jaroslaw PONDER, Head of the ITU Office for Europe, International Telecommunication Union, United Nations

• Panellists
  Dr. Aniko Juhasz, Deputy State Secretary, Ministry of Agriculture, Hungary
  Mr. Marcin Cichy, President, Office of Electronic Communications, Poland
  Mr. Geert Kits Nieuwenkamp, Agricultural Counsellor, Embassy of the Kingdom of the Netherlands, Hungary
  Mr. Davit Babayan, Head of Extension and Science department, Ministry of Economy, Armenia

SME Programme

SME Workshop: addressing the challenges of access to finance and investment
Wednesday, September 11, 2019, 11:45 AM - 1:00 PM, Innovation Space - Stage A

In support of the EQUALS Global Partnership's Leadership Coalition, ITC SheTrades and ITU host a session for SMES in tech and tech-related sectors - especially those owned by women - exploring how to address common challenges faced by SMEs in accessing finance and investment. The session will consist of a short presentation followed by an interactive mentoring session with experts in the field.

Speaker: ITC
Networking Event

Emergency telecommunications for saving lives – the Crisis Connectivity Charter, followed by a networking lunch hosted by EMEA Satellite Operations Association (ESOA/GSC)

Wednesday, September 11, 2019, 12:30 PM - 2:00 PM, Lunch Room Hall F

To expand its work in the area of emergency telecommunications and to support and improve coordination with the satellite and the humanitarian community, ITU will join the Crisis Connectivity Charter. The Crisis Connectivity Charter is a mechanism created between the satellite industry and the wider humanitarian community, to make satellite-based communications more readily available to humanitarians and affected communities in times of disaster. The Charter was developed by the EMEA Satellite Operator’s Association (ESOA) and the Global VSAT Forum (GVF) and their members, in coordination with the UN Office for the Coordination of Humanitarian Affairs (OCHA) and the Emergency Telecommunications Cluster (ETC), led by the World Food Programme (WFP).

This session will highlight the importance of communication infrastructure and services when disasters strike, discuss the opportunities and achievements of the Crisis Connectivity Charter, and feature the signing ceremony through which ITU will become a principal signatory. The signing ceremony will be followed by a networking lunch which will offer a great opportunity to connect and interact with representatives of the Charter and learn more about their activities when disasters strike.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders on a first-come-first-served basis

12:30 – 13:00 Interventions
- Ms Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union (ITU)
- Mr Mario Maniewicz, Director, Radiocommunication Bureau, International Telecommunication Union (ITU)
- Ms Enrica Porcari, Chief Information Office and Director, Technology Division, World Food Programme and Chair, Emergency Telecommunications Cluster (ETC)
- Khalid Balkheyour, President and Chief Executive Officer, Arab Satellite Communications Organization (ArabSat)
- Mr Houlin Zhao, Secretary General, International Telecommunication Union (ITU)

13:00 – 13:10 Signing ceremony with photograph

13:10 – 14:00 Networking Lunch sponsored by ESOA/GSC
Specialized Session

Innovation ecosystem matching: unlocking opportunity through good practice

Wednesday, September 11, 2019, 1:15 PM - 3:15 PM, Room 5 - Biro

Creating the next Silicon Valley has been elusive and difficult, especially in the context of developing countries where less than 1% of GDP may be dedicated to research and development. An exciting ecosystem alone is not enough: it must also be competitive, and include all the right ingredients. Programmes or policies need constant adaptation to meet the changing environment, and stakeholders must be able to update their processes based on good practices to achieve impact. Good practices are key to unlocking opportunities, maximizing limited resources, ensuring ICT innovation reaches markets and creating a high-growth, innovation-driven economy.

What practical examples of good practices can be transferred or nurtured in order to develop an ecosystem with a strong fabric that can create the next tech unicorns?

This interactive session will explore relevant case studies and facilitate networking opportunities between successful innovators and participants.

Open to all Pass categories

• Moderator
  Mr. Mohamed BA, Sr. Coordinator, Innovation Ecosystems, ITU - BDT (ITU-D), United Nations

• Panellists
  Ms. Valentina Stadnic, Administrator, Moldova IT Park, Moldova, (the Republic of)
  Mr. Alin Claudiu Apostu, Project Manager, Romanian Business Leaders, Romania
  Mr. Junaid Basir, Head of Mobile Agriculture, Telenor Pakistan (Pvt) Ltd., Pakistan
  Mr. Majid Mohamed Al Madhloum, Senior Manager Center of Digital Innovation “CoDI”, Telecommunications Regulatory Authority (TRA), United Arab Emirates
  Ms. Samira Ribeiro, Systems Analyst, Instituto Atlântico, Brazil
  Mr. Cesar Contreras Gonzalez, Coordinator of Technological Development, Secretaría de Comunicaciones y Transportes, Mexico
  Ms. Valentina Araya Hernández, Account Executive, Start-Up Chile, Chile
  Ms. Giulia Traverso, Principal Cryptographer, Cysec SA, Germany
  Mr. Mike Thususka, Director of Economic Development, City of Summerside, Canada
  Mr. Jonathan Naidoo, CEO, SmartXchange, South Africa
Forum Session

Diversity by design: mitigating gender bias in AI
Wednesday, September 11, 2019, 2:00 PM - 3:15 PM, Room 4 - Helicopter

From smart home hubs not understanding commands in regional accents to automated vehicles failing to respond to female voices or biased facial recognition software, it is increasingly evident that automated systems, algorithms and machine learning are in danger of replicating and enhancing prejudice and discriminatory practices. Bias is embedded, unconsciously or otherwise, in the code. What are the potential implications in the criminal justice system, in education or the financial system? How can we prevent AI systems from replicating and exacerbating the inequalities of society, and ensure it is more broadly representative of humanity in terms of gender, race and nationality? Can we set out to design with diversity, rather than after the fact? How can we work to ensure gender balance throughout the AI ecosystem, including academia, industry and ethics boards?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Professor Tim Unwin, Emeritus Professor of Geography and Chairholder of the UNESCO Chair in ICT4D, Royal Holloway, University of London, United Kingdom

• Panellists
  Ms. Caroline Louveaux, Chief Privacy Officer, Mastercard, Belgium
  Dr. Martin Koyabe, Head of Technical Support and Consultancy, Commonwealth Telecommunications Organisation, United Kingdom
  Ms. Allana Abdullah, CEO, Bahaso, Indonesia
  Ms. Coral Manton, Researcher and Developer, Women Reclaiming AI, United Kingdom

Forum Session

5th Economic Experts Roundtable
Wednesday, September 11, 2019, 2:00 PM - 4:00 PM, Room 1 - Dynamo

The ICT Economic Expert Roundtable brings together economic and industry experts from global ICT consulting firms, R&D entities, regional and international organizations to exchange views and analysis on the latest trends and issues related to the development of telecommunications/ICT infrastructure, focusing principally on economic and financial aspects.

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderators
  Mr. Marius-Catalin MARINESCU, Head of Corporate Strategy Division, International
Telecommunication Union, United Nations
Mr. Tim Miller, Partner, Plum Consulting, United Kingdom

Panellists

Mr. Saleem Alblooshi, Chief Technology Officer, Emirates Integrated Telecommunications Company PJSC, United Arab Emirates
Ms. Elizabeth Migwalla, Senior Director and Head of Government Affairs-Africa, Qualcomm, Inc., South Africa
Dr. René Arnold, Head of Department Markets and Perspectives, WIK, Germany
Mr. Dalibor Vavruska, Managing Director, Research and Head of Global Connectivity Strategy, Citibank UK, United Kingdom
Mr. Kalvin Bahia, Principal Economist, GSMA, United Kingdom
Ms. Verena Weber, Acting Head of the Communication Infrastructures and Services Policy Unit, Organisation for Economic Co-operation and Development, France
Ms. Aude Schoentgen, Principal Consultant, Plum Consulting, France
Mr. Matyas Weber, Manager, KPMG Tanácsadó Kft., Hungary
Ms. Melissa Sassi, Startup Program Manager & IBM Z Influencer, IBM, USA

Forum Session

Broadband today – and tomorrow: from wireless broadband to gigabit strategies
Wednesday, September 11, 2019, 2:00 PM - 3:15 PM, Room 3 - Plasma

A total of 159 countries around the world have already adopted a national broadband plan, representing 81% of all nations. As we draw closer to the Broadband Commission target of a national broadband plan in all countries by 2025, a number of nations – and vendors – are revisiting the definition of broadband and exploring how networks should evolve to cope with increasing demand for data. From ultra-fast broadband to wireless broadband and gigabit broadband, new solutions and services are already being commercialized throughout the world. What are the common elements in these new solutions? Which solutions are most suitable for each market and use case? What type of applications will drive demand for, and adoption of, these new types of connections? What new solutions exist to support the implementation of current broadband strategies? How should broadband policies evolve in the near future to ensure inclusion in a digital gigabit society?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

Moderator

Ms. Sofie MADDENS, Head, Regulatory and Market Environment Division, International Telecommunication Union, United Nations

Panellists

Mr. Gyz Debreczeni, Project Manager, Governmental Information Technology Development,
Specialized Session

Meeting on international Digital Council for Food and Agriculture

Wednesday, September 11, 2019, 2:00 PM - 3:15 PM, Office Suite 2

This meeting will be held within the framework of the GFFA communiqué, whereas on 19 January 2019, the agriculture ministers of 74 nations adopted a number of resolutions stated in a political communiqué about digitalization in agriculture issued during the Global Forum for Food and Agriculture. The common voice of the ministers states the need for an International Digital Council for Food and Agriculture that will take action on the global digitalization of agriculture and food sector and ask FAO in consultation with other stakeholders including ITU, the World Bank, African Development Bank, IFAD, OECD, WTO, OIE and CTA to draw, based on this communiqué, a concept for considering the establishment of the Council, that will advise governments and other relevant actors, drive the exchange of ideas and experiences and consequently help everyone harness the opportunities presented by the digitalization.

The meeting will aim to gather a broad range of stakeholders, understand their perspectives and invite them to collect and share ideas and draw recommendations regarding the guiding principles, roles of involved stakeholders and functionalities that would be needed in building an International Digital Council for Food and Agriculture.

The meeting consists of two main parts:

a) Discussion on the existing progress and agreement on pre-designed guiding principles, roles, stakeholders and functionalities; and

b) Streamline and highlight different ideas from officials regarding guiding principles, roles, stakeholders and functionalities.

To access this meeting please contact: lena.lattion@itu.int

SME Programme

SME Workshop: Impact Investing and blended finance

Wednesday, September 11, 2019, 2:30 PM - 4:00 PM, Innovation Space - Stage A

Delivering the financing necessary to support SDG-related projects calls for new innovative approaches - such as impact investing and blended finance. During this session we will uncover the challenges and...
commitments between SMEs and investors to make this innovative approach sustainable and scalable.
Speaker: Enrique Alvarado Hablutzel, Fund Manager, Bamboo Capital Partners

- Speaker
  Mr. Enrique Alvarado Hablutzel, Fund Manager, Bamboo Capital Partners, Switzerland

**Networking Event**

**Networking Break**
Wednesday, September 11, 2019, 3:15 PM - 3:45 PM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

**Forum Session**

**Innovating together: connecting ecosystems**
Wednesday, September 11, 2019, 3:45 PM - 5:15 PM, Room 3 - Plasma

Connecting ecosystems can prove critical in bringing innovations to the global market. This session brings together change-makers, innovators, stakeholders in startup ecosystems and successful venture capitalists from around the world to share experiences and debate the major challenges of the startup world, connecting ecosystems and innovation in general.
Can we identify major trends in innovation? Where does disruption take place, and can it be collaborative? What European and international collaborative platforms have been created for startup ecosystems? What are the best innovative approaches, practices, initiatives and programmes focused on collaboration? What is the role of building and maintaining cooperation for regional and interregional ecosystems? What are the potential social benefits of connecting ecosystems – and how can we ensure that these ecosystems are sustainable?
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

- Moderator
  Mr. Ron Sege, Operating Partner, Benhamou Global Ventures, USA

- Panellists
  Ms. Mary Alcantara, Head of Startups, MKB Fintechlab, Hungary
  Ms. Glendowlyn Thames, Deputy Commissioner, CTNext, USA
  Dr. Christopher Haley, Head of New Technology & Startup Research, Nesta, United Kingdom
  Mr David Maasz, CEO, Entrepreneurship Foundation, Hungary
Partner Session

5G and Future Networks: creating an enabling regulatory environment through public-private collaboration

Wednesday, September 11, 2019, 3:45 PM - 5:15 PM, Room 2 - Cube

Governments are adopting different approaches for 5G rollouts – from promoting upfront deployments to waiting until strong business cases are defined – while telecom operators are carrying out different experiments as standard 5G is defined. Non-traditional players from vertical industries will play a critical role in the new 5G ecosystems creating a stronger need for 5G data monetization regulation across sectors.

A collaborative platform is required to explore deployment approaches, design business models, identify mechanisms for equal value distribution, define ways to reduce the digital divide and promote interaction with regulators.

In collaboration with the 5G-Next Generation Networks Programme of the World Economic Forum, this session will convene industry constituents as well as representatives from government and regulatory authorities to discuss alignment opportunities towards a sustainable and inclusive deployment of next generation networks.

Open to Leader Pass, Executive Pass, Forum Pass, and MediaPass holders

• Moderator
  Ms. Isabelle Mauro, Director, Head Digital Communications Industry, World Economic Forum LLC, Switzerland

Opening Remark
  Ms. Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union, United Nations

• Speakers
  Mr. Marc Vancoppenolle, Global Head of Nokia Government Relations, Nokia, Belgium
  Mr. Brett Tarnutzer, Head of Spectrum, GSMA, United Kingdom
  Mr. Bocar A. Ba, Chief Executive Officer, SAMENA Telecommunications Council FZ LLC, United Arab Emirates
  Ms. Julie Kearney, Head of Regulatory Affairs, Loon LLC, USA
  Ms. Maarit Palovirta, Director of Regulatory Affairs, European Telecommunications Network Operators’ Association, Belgium
Specialized Session

Accelerating the achievement of the Sustainable Development Goals in Europe: ICT4SDG Regional Initiatives

Wednesday, September 11, 2019, 3:45 PM - 5:00 PM, Room 5 - Biro

Cooperation and collaboration are crucial accelerators for ICT development and digital transformation. Given the lack of barriers characterizing the digital world, standardization, sharing experiences and harmonisation of practices are essential to build a better world. Understanding and exchanging common and best practices in the UN system is a key component to accelerating achievement of the Sustainable Development Goals (SDGs).

This session aims at enhancing knowledge on the issues and good practices faced by UN institutions in achieving and delivering the SDGs through ICTs. It provides an opportunity to address common issues and provides a space to strengthen further collaboration and create new partnerships within the system, especially, but not only, in the European Region.

Open to all Pass categories

- Moderator
  Mr. Jaroslaw PONDER, Head of the ITU Office for Europe, International Telecommunication Union, United Nations

- Panellists
  Mr. Markus Pilgrim, Director of the Country Office for Central and Eastern Europe, International Labour Organization, United Nations
  Mr. Jacek Cukrowski, Chief, Regional Division for Europe and Central Asia, United Nations Industrial Development Organization, Austria
  Mr. Nabil Gangi, Deputy Regional Representative, FAO Regional Office for Europe and Central Asia, Hungary
  Mr. Herson Abreu, Customer Care Manager, Global Shared Services Centre (GSSC), UNICEF, Hungary
  Mr. David Saunders, Representative, UN Women, Bosnia and Herzegovina
  Mr. Jonathan Baker, Head of Science unit, UNESCO Regional Bureau for Science and Culture in Europe, Italy
**Specialized Session**

**From local to global innovation: The role of start-ups in standardization and market orientation for emerging technologies**

Wednesday, September 11, 2019, 3:45 PM - 5:00 PM, Room 4 - Helicopter

Driving knowledge-intensive activities encompasses the pivotal role played by start-ups to attract and retain talent and investment in the age of global knowledge economy. This session will explore the multi-dimensional standardization strategies directed at start-ups for the successful and sustainable expansion of innovative technologies in the emerging market. The discussion will focus on challenges, opportunities and key success factors for start-ups seeking to build their go-to-market products.

Open to all Pass categories

- **Moderator**
  
  Ms. Anamaria MESHKURTI, Outreach and Events Coordinator, International Telecommunication Union, United Nations

- **Panellists**
  
  ALEXANDER NTOKO, Chief of the Operations and Planning Department, International Telecommunication Union, United Nations
  
  Dr. Abdur Rahim Biswas, Project Director, WUZIUP, FBK Create-Net, Italy
  
  Mr. Innocent Bagamba Muhizi, Chief Executive Officer, Rwanda Information Society Authority, Rwanda

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**Ceremony**

**Ceremony of Recognition and Appreciation**

Wednesday, September 11, 2019, 3:45 PM - 4:45 PM, InnovationSpace - Stage B

Join ITU, national delegations, industry leaders and SMEs for a high-profile ceremony honouring ITU Telecom's long-term supporters, major partners, National and Thematic Pavilions. ITU Secretary-General Houlin Zhao will issue Certificates of Appreciation in recognition of this invaluable support from countries, companies and individuals from around the world, as well as Recognition of Excellence awards to the best innovative exhibitors within each National Pavilion at ITU Telecom World 2019.

Open to all Pass categories

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**SME Programme**

**SME Workshop: ready to go global? Intellectual Property in the ICT sector**
You must have the right strategy for your intellectual property rights in place before going global, but how can you protect it? Join experts of the Latin America IPR SME Helpdesk, an initiative of the European Commission, for facts and practical information on how your business can benefit from the right IPR strategy.

- Speaker
  Mr. Eli Salis, IPR expert for the Latin America IPR SME Helpdesk, Eurochambres, Belgium

**Networking Event**

**LeaderSpace Happy Hour hosted by Equanet**

Wednesday, September 11, 2019, 4:45 PM - 6:00 PM, LeaderSpace

Theme: “Digital collectives driving national e-commerce, trade, export and tourism.”

Join international leaders of industry and government in an exclusive, relaxed social gathering to explore how nations are leveraging collective e-community technologies to take full advantage of their internet infrastructure investment and enhance national e-commerce trade, export and tourism.

Open to Leader Pass and Executive Pass holders

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**Thursday, September 12, 2019**

**Specialized Session**

**Internet Generation Day**

Thursday, September 12, 2019, 9:00 AM - 3:00 PM, Exhibition Floor

A full one-day programme of interactive workshops, demos, competitions, guided tours, company presentations and more, especially designed for university students, young entrepreneurs and innovators from Hungary and the region. Carefully curated by Hungary’s leading incubators, accelerators, academia and innovation hubs, the Internet Generation Day programme is open to all and seeks to inform, engage, challenge and drive change throughout the entire telecommunications ecosystem. Topics including
robotics, AI, blockchain and fintech will set the stage for this exciting day. The event will take place at Hungexpo (1101, Budapest, Albertirsai út 10).

Highlights include:

**Exhibition of national and international startups and major companies** with hands-on exhibits including the **brainwave-powered Semse app** or **Drones and satellite in agriculture** by Szent István University and a **5G demo** provided by **Eötvös Loránd University Faculty of Informatics**

One-day **Space Telecommunications Event**.

A financial consciousness workshop organized by **MKB FintechLAB** and **Family Finances**.

**Virtual (VR) education spaces** and autonomous vehicles constructed by the students of Széchenyi István University

An **AI Exhibition** by the Hungarian AI Coalition

A **Learning environment in a digital pedagogical culture** seminar provided by Eszterházy University

An **IT Security session** offered by University of Dunaújváros

An interactive **Demistify coding** workshop provided by Greenfox Academy

A session on **Artificial Intelligence, social platforms and the freedom of speech** run by Károli Gáspár University of the Reformed Church

An **AI, Quantum and 5G** seminar offered by Budapest University of Technology and Economics

A **Media Awareness Workshop** by the National Media and Infocommunications Authority

An **Internet Generation Forum** discussing the today and the tomorrow of the Internet

and many more...

This programme is open to all university students and young entrepreneurs. Contact itu2019@mfa.gov.hu directly if you have not yet received an invitation to register and would like to take part.

Read more

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**Specialized Session**

**Focus Group on Vehicular Multimedia (FG-VM)**

Thursday, September 12, 2019, 9:00 AM - 6:00 PM, Room 6 - Match

Join us on 11 and 12 September in shaping the multimedia system of the future vehicles. The FG-VM serves as an open platform for worldwide stakeholders to advance studies on Vehicular Multimedia technologies in order to identify relevant gaps in standardization activities and to derive use cases, possible requirements and architectures. Participation is open to all.

WEB: https://itu.int/en/ITU-T/focusgroups/vm

IMPORTANT: To work with us and access the documents, a free ITU user account is required.

CONTACT: tsbfgvm@itu.int

Open to all Pass categories
Future skills for a future world
Thursday, September 12, 2019, 9:15 AM - 10:30 AM, Room 2 - Cube

Technologies continue to be designed and used to reshape every sector of society and the economy, challenging our ability to adapt to the pace of change. The job market is no exception – and disruption in the world of work has profound implications for existing educational systems.

How can we prepare the next generation of workers for jobs that may not yet exist? What skills will be needed to succeed in a future characterized by automatization, robots and AI? How can lifelong learning in the workplace equip us for constant change, and will we be able to keep pace with technological disruption? How should educational systems and institutions adapt and respond? Will the challenges of the job market in the digital age differ between emerging and developed markets? Will we need to work at all in the future – and if not, what will we do?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Dr. Susan Teltscher, Head of the Human Capacity Building Division, Telecommunication Development Bureau, International Telecommunication Union, United Nations

• Panellists
  Dr. Lidia Stepinska - Ustasiak, Head of Social and Corporate Policy Unit, Office of Electronic Communications, Poland
  Mr. Kristóf Bárdos, Co-founder, International Business Developer, GreenFox Academy, Hungary
  Ms. Sofía Fernández de Mesa, Director of International Relations, Telefónica and ProFuturo, ProFuturo Foundation, Spain
  Professor Hakima Chaouchi, Research Professor, Institut Mines-Télécom, France
  Ms. Ghaida Alanazi, Digital Education Lead, National Digital Transformation Unit, Saudi Arabia

Accessibility matters: dismantling the barriers of disability with technology
Thursday, September 12, 2019, 9:15 AM - 10:30 AM, Room 3 - Plasma

According to WHO’s World Disability Report, approximately 15% of the world population – or more than 1 billion people - lives with some form of disability. ICTs are widely used to enable people living with disabilities to lead more independent lives by removing barriers limiting their participation in society. Technology can enable better access to health, education, government services and the job market for all those affected by disabilities. But what more can be done, in both emerging and developed markets? Can existing solutions be scaled and adapted? Is there a business case for digital inclusion solutions? How can public and private sectors work together to promote universal design, accessibility and access services?
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Mr. Jose Maria Diaz Batanero, Strategy and Policy Coordinator, International Telecommunication Union, United Nations

• Panellists
  Dr. Joel Snyder, Director of the American Council of the Blind’s Audio Description Project, and President, Audio Description Associates, LLC, USA
  Mr. Jaroslaw PONDER, Head of the ITU Office for Europe, International Telecommunication Union, United Nations
  Mr. Roy Graves, Vice-President, Technology and Finance, Caption First, USA
  Mr. Dilli Ram Adhikari, Managing Director, Nepal Telecom (Nepal Doorsanchar Company Limited), Nepal
  Mr. Bernard Kirk, CEO, The Camden Education Trust, -
  Mr. David Banes, Director, David Banes Access and Inclusion Service, United Kingdom
  Ms. Gamze Sofuoglu, Product Manager, Turkcell Iletisim Hizmetleri A.S., Turkey

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**Exhibition**

**Exhibition open**
Thursday, September 12, 2019, 10:00 AM - 2:00 PM, Exhibition

Visit National Pavilions, Industry Stands, Thematic Pavilions and tech SMEs from around the world, showcasing innovative solutions, technologies, national strategies, projects and partnership potential. Open to all Pass categories

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**Networking Event**

**Networking Break**
Thursday, September 12, 2019, 10:30 AM - 11:00 AM, Forum Foyer

An opportunity to relax, make new connections and exchange views in the networking refreshment break between Forum sessions. Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

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**Forum Session**

**Regulating the future: safe, inclusive, connected**
Thursday, September 12, 2019, 11:00 AM - 12:15 PM, Room 3 - Plasma

Industry convergence, digitalization and the disruption caused by new technologies and new market players is making the job of regulatory agencies more complex and interlinked than ever before, even in mature markets with strong competition. New challenges such as privacy, cybersecurity and data protection are confronting regulators with domains beyond their traditional competencies. What role should regulators play to ensure a safe, inclusive, connected future? How can stimulating innovation and fair competition be balanced against consumer protection? What examples do we have of successful cross-sectoral regulation? How can regulators, policy-makers and industry work together to create an environment for the digital economy that is both enabling and secure?

Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders

• Moderator
  Mr. Philippe Defraigne, Founding Director, Cullen International S.A., Belgium

• Panellists
  Ms. Danielle Jacobs, Founding member euro.digital (representing business ICT users), President, International Telecommunications Users Group, Belgium
  Mr. Jason Harle, Assistant Manager, Deloitte, Denmark
  Mr. Marcin Cichy, President, Office of Electronic Communications, Poland
  Ms. Jade Nester, Director of Consumer Policy, GSMA, United Kingdom
  Mr. Esteban Redolfi, Director of Digital Future Society, Mobile World Capital, Spain
  Ms. Sofie MADDENS, Head, Regulatory and Market Environment Division, International Telecommunication Union, United Nations

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Forum Session

ITU-CISCO Digital Transformation Center Initiative

Thursday, September 12, 2019, 11:00 AM - 12:15 PM, Room 2 - Cube

The digital economy is opening new opportunities for people all over the world, and improving living standards. It is creating new jobs, offering new products/services and providing better and more efficient ways of working. However, the lack of digital skills is inhibiting people’s abilities to fully benefit from these opportunities. This session will present the new Digital Transformation Centres (DTCs) Initiative by ITU and CISCO and how this initiative seeks to address the skills gap challenges in the digital economy. Panelists will address questions from the moderator regarding the DTC initiative, what it aims to achieve, how it will be implemented, what has been done so far, and the plans that lie ahead.

Open to all Pass categories

• Moderator
  Professor Tim Unwin, Emeritus Professor of Geography and Chairholder of the UNESCO Chair in
Opening Remark

Ms. Doreen Bogdan-Martin, Director, Telecommunication Development Bureau, International Telecommunication Union, United Nations

Panellists

Ms. Annemijn Perrin, CEO and Founder, Digital Skills Foundation, France
Dr. Josef Noll, Research Professor, University of Oslo, Norway
Mr. Rik Bleeker, CSR Head of Corporate Affairs for Europe North, Cisco Systems, Netherlands
Mr. MIKO NXELE, Senior Human Capacity Building Officer, Telecommunication Development Bureau, International Telecommunication Union, United Nations

Networking Event

Networking Lunch
Thursday, September 12, 2019, 12:30 PM - 2:00 PM, Lunch Room Hall F

A unique opportunity to connect with high-level representatives from governments and industry, fellow delegates and speakers in the relaxed, social environment of a networking lunch.
Open to Leader Pass, Executive Pass, Forum Pass, and Media Pass holders on a first-come first-served basis

Ceremony

ITU Telecom World Awards Ceremony
Thursday, September 12, 2019, 2:00 PM - 3:45 PM, Room 1 - Dynamo

The finalists and winners of the ITU Telecom World Awards 2019 will be announced by the ITU Secretary-General in a high-profile ceremony honouring the best in innovative ICT solutions, applications and services for social good.
Open to all Pass categories

Networking Event

Farewell Reception
Thursday, September 12, 2019, 3:45 PM - 4:45 PM, Ceremony Hall - Hologram

The Farewell Reception brings the four days of ITU Telecom World 2019 to a close with music and entertainment to accompany the formal goodbye to all delegates and guests.
Open to all Pass categories

• Speaker
  Péter Szijjártó, Minister of Foreign Affairs and Trade, Ministry of Foreign Affairs & Trade,