# ITU GSR GENEVA 2018: Programme

18th Global Symposium for Regulators
9-12 July 2018

## Monday, 9 July

**Thematic Event : Global Dialogue on AI, IoT and Cybersecurity – Policy and regulatory challenges and opportunities**

*09:30*
*10:00*
*Room 1*
*Level 1*

**Opening Session - Setting the stage The Importance of the Security Aspect for AI and IoT**

## Speakers



Mr Brahima Sanou
*BDT Director*
International Telecommunication Union (ITU)



Mr Sorin Grindeanu
*President, National Authority for Management and Regulation in Communications (ANCOM), Romania*
GSR-18 Chair

Ms Nerida O'Loughlin
*Chair and Agency Head*
Australian Communications and Media Authority



Mr Mahmoud Mohieldin
*Senior Vice President*
World Bank Group



Mr Manish Vyas
*President, Communications, Media & Entertainment Business, and CEO, Network Services*
Tech Mahindra

**10:00**
**11:15**          **Session 1: AI and Cybersecurity - The State of Play**
**Room 1**
**Level 1**

*Emerging technologies such as Artificial Intelligence (AI) can be a game changer, but at the same time can be also a vector to strengthen the effectiveness of cyberattacks. Moreover with IoT becoming a reality, more emphasis needs to be given to the security component.*
*The panel will explore the current situation and the relation between AI, IoT and cybersecurity and the potential impact at the global level*

**Moderator**



Mr Joe Anokye
*Director General*
National Communications Authority (NCA), Ghana

**Panelists**



Dr. Kemal Huseinovic
*Chief*
Department of Infrastructure, Enabling Environment and E-Applications, ITU/BDT



Mr Manish Vyas
*President, Communications, Media & Entertainment Business, and CEO, Network Services*
Tech Mahindra



Mr Philip R. Reitinger
*President & CEO*
Global Cyber Alliance

Ms Giedre Balcytyte
*International Development Director*
NRD Cyber Security

Mr Neil Sahota
*IBM Master Inventor and WW Business Development Leader*
IBM Watson Group

Mr Aleksandar Stojanovic
*Executive Chairman and Co-Founder*
AVA

Mr Serge Droz
*Director of the Board*
Forum of Incident Response and Security Teams

**11:15**
**11:30**     **Coffee break and Group Photo**

*11:30*
*12:30*
*Room 1*
*Level 1*

**Session 2: AI and IoT - Exploit the potential for building confidence and security in the use of ICTs**

*While AI can be used to increase the impact of cyber threats on ICT networks, at the same time can offer opportunities to improve cybersecurity and create new competencies, skills and finally jobs.*
*The panel will discuss the beneficial use of AI to secure ICT infrastructures and services and the impact on the workforce and end-users.*

## Moderator



Mr Stephen Bereaux
*Chief Executive Officer*
Utilities Regulation and Competition Authority (URCA),
Bahamas

## Panelists



Mr Benedict Matthey
*Account Executive*
Dark Trace



Mr Ilia Kolochenko
*CEO*
High-Tech Bridge

Ms Miho Naganuma
*Manager Regulatory Research Office and Cyber Security Strategy Division*
NEC Corporation

Mr Guido Gluschke
*Co-Director*
Institute for Security and Safety, Brandenburg University of Applied Sciences

Mr Michael Nelson
*Tech Strategy*
Cloudflare

Mr Stefano Bordi
*Vice President Cyber Security*
Leonardo Company

Mr Graham Butler
*Chairman*
Bitek Global Limited

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| **12:30**<br>**14:30** | **Lunch** |

**14:30**
**16:00**
*Room 1*
*Level 1*

**Session 3: Policy and regulation perspective - Privacy and beyond**

*Cybersecurity and privacy can be seen as the two faces of the same coin. Legal constructs are mandatory in any cyber environment, taking into account the need of protecting personal information and how this is impacted through evolution and technologies.*
*The panel will address privacy within the context of Artificial Intelligence and Internet of Things, including consideration related to the application of the General Data Protection Regulation (GDPR).*

**Moderator**



Mr Marcin Cichy
*President*
Office of Electronic Communications (UKE), Poland

**Panelists**

Mr Mohammad N. Azizi
*Chairman*
Afghanistan Telecom Regulatory Authority (ATRA),
Afghanistan

Mr Giampiero Nanni
*Government Affairs*
Symantec

Mr Aaron Kleiner
*Director, Industry Assurance & Policy Advocacy*
Microsoft

Mr Luigi Rebuffi
*Secretary General*
European Cybersecurity Organization (ECSO)

Ms Raquel Gatto
*Regional Policy Advisor*
Internet Society (ISOC)

Mr Ivo Lõhmus
*Vice President Public Sector*
Guardtime AS

Mr Vincenzo Lobianco
*Chief Technology and Innovation Officer*
Autorità per le Garanzie nelle Comunicazioni, Italy

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| **16:00**<br>**16:20** | **Coffee break** |
| **16:20**<br>**17:30**<br>**Room 1**<br>**Level 1** | **Session 4: Ways forward and closing** |

*What are the next steps to be taken in order to improve national policies, create opportunities for enhanced ICT services to the citizens and finally generate a significant impact on social and economic development.*

**Moderator**

Dr Kemal Huseinovic
*Chief*
Department of Infrastructure, Enabling Environment and
E-Applications, ITU/BDT

**Panelists**

Mr Mika Lauhde
*Vice President Cyber Security & Privacy*
Global Public Affairs, Huawei Technologies Co., LTD

Mr Dan Tara
*Vice President*
Positive Technologies

Dr Ram-Sewak Sharma
*Chairman*
Telecom Regulatory Authority of India (TRAI), India

Mr Jacques de Werra
*Professor of Contract Law and IP Law, Vice Rector*
University of Geneva

Mr Alan Gush
*Senior Director*
Cyber Solutions, Comtech Telecommunications Corp

Mr Yushi Torigoe
*Deputy to the Director*
ITU/BDT

## Chief Regulatory Officers (CRO)/ Industry Advisory Group for Development Issues (IAGDI) Meeting

*09:30*
*11:00*                              **Roundtable**
*Rooms 5+6*
*Level 3*

*Draft Agenda of the CRO/IAGDI meeting*
*Outcome of the Private Sector Chief Regulatory Officers' (CRO) and Industry Advisory Group For Development Issues (IAGDI) Meeting*

**Chair**



Mr Bocar Ba
*Chief Executive Officer, Samena Telecommunications Council*
CRO Chair

# Regulatory Associations' (RA) Meeting

*09:30*
*11:00*              **Panel Discussion**
*Rooms 3+4*
*Level 0*

**Chair**



Mr Johannes Gungl
*Managing Director Regulatory Authority for Broadcasting and Telecommunications (RTR), Austria and BEREC Chair*
Chair RA Meeting

*11:15*
*11:30*              **Sponsored Coffee Break**

# GSR-18

*14:30*
*15:15*              **Opening ceremony**
*Room 1*
*Level 1*

**ITU**



Mr Brahima Sanou
*BDT Director*
International Telecommunication Union (ITU)

**Chairman**

Mr Sorin Grindeanu
*President ANCOM, Romania*
GSR-18 Chair

**ITU**

Mr Houlin Zhao
*Secretary-General*
International Telecommunication Union

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| *15:15*<br>*15:30* | **Group Photo** |
| *15:30*<br>*15:45* | **Sponsored Coffee break** |
| *15:45*<br>*16:45*<br>*Room 1*<br>*Level 1* | **Leadership Debate: Emerging Technologies for Digital Transformation** |

*This Leadership Debate will bring together leaders to discuss the transforming power of AI and emerging technologies and how they are expanding regulatory frontiers to new horizons.*

*New categories of digital opportunities are emerging and raise questions as to the role of policy makers and regulators in digital transformation.  Can AI for example improve the delivery of e-government services?  If so, how to ensure that regulators are ready to respond to this changing landscape and ready to address concerns while also explaining the benefits of AI and the benefits it can bring to all.*

## Moderator



Mr Brahima Sanou
*International Telecommunication Union*
BDT Director

## Keynote



Dr. Kemal Huseinovic
*Chief*
Department of Infrastructure, Enabling Environment and E-Applications, ITU/BDT

## Panelists



Mr Mahmoud Mohieldin
*Senior Vice President*
World Bank Group



Ms Anastassia Lauterbach
*Author of The Artificial Intelligence Imperative, international technology strategist advisor and entrepreneur.*

Mr Ajit Pai
*Chairman*
Federal Communications Commission (FCC), United States

Mr Sorin Grindeanu
*President ANCOM, Romania*
GSR-18 Chair

**16:45**
**17:30**
**Room 1**
**Level 1**

**Roundtable Discussion: AI for Development**

*This high level roundtable will bring together recognized academia to present the ITU BDT AI For Development Series, highlighting the key findings and recommendations.*

**<u>Moderator</u>**

Ms Régina Fleur Bessou Assoumou
*Chair*
ITU-D Study Group 1

## Round Table Participants

Dr Urs Gasser
*Executive Director*
Berkman Klein Center for Internet & Society at Harvard
University and Professor of Practice at Harvard Law School

Dr Michael Best
*Director*
United Nations University Institute on Computing and Society
(UNU-CS), Professor, Sam Nunn School of International Affairs
and the School of Interactive Computing, Georgia Institute of
Technology

Dr Gyu Myoung Lee
*Adjunct Professor*
KAIST

**17:30**
**17:50**
*Room 1*
*Level 1*

**Side event: lightning session supported by Intel**

*5G: Regulatory Approaches to Facilitate Successful 5G Deployments*



*5G can provide the basis for digital transformation and economic growth in many developing and developed countries via a high-speed, high-quality broadband network that may seamlessly connect not only everyone but also everything. In addition to enhanced mobile broadband, 5G will also provide new services such as industrial automation, smart transportation systems, remote surgery with e-health, e-learning based on augmented/virtual reality, smart energy, smart water management, smart agriculture etc. to benefit consumers, industries, and society.*
*Timely access to necessary spectrum is crucial to enabling 5G success. Due to the diverse use cases, 5G will require access to different types of frequency bands. Globally harmonized availability of low, mid and high band spectrum is essential to enable the full potential of 5G and to realize economies of scale based on global standards for equipment. In addition, other factors such as minimizing barriers to deployment will also enable the benefits of 5G to society.*
*In this context, the 600/700 MHz band, the 3300-3800 MHz band and the key mmWave tuning ranges 24.25-29.5 GHz and 37-43.5 GHz are essential to provide the spectral resources to make 5G a success. Furthermore, both licensed and license-exempt/unlicensed bands will be needed to support the various 5G applications and for the latter case, global momentum is building in the 57-66 GHz and 66-71 GHz bands.*

## **Keynote**



Ms Jayne Stancavage
*Global Executive Director of Communications Policy*
Intel Corp.

Mr Michael Kraemer
*Responsible for European Spectrum Strategy*
Intel Corp.

## GSR-18

*09:30*
*10:45*
*Room 1*
*Level 1*

**Session 1: Regulation as usual for IoT, AI and 5G?**

*This session will discuss connectivity, spectrum and infrastructure requirements for secure infrastructure needed in smart societies.*

### Moderator



Dr Mohamed Ahmed Nacer
*President of the Council*
Post and Telecommunications Regulatory Authority (ARPT),
Algeria

### Keynote



Mr Neil Sahota
*IBM Master Inventor and WW Business Development Leader*
IBM Watson Group

**Panelists**

Mr Johannes Gungl
*CEO for Telecommunications and Postal Services,
Regulatory Authority for Broadcasting and
Telecommunications (RTR), Austria and BEREC Chair
2018*
RA-18 Chair

Mr Marcin Cichy
*President*
Office of Electronic Communications (UKE), Poland

Mr Harinderpal Singh Grewal
*Cluster Director (Networks, Technology & Resilience)*
InfoComm Media Development Authority (IMDA),
Singapore

Mr Mario Fromow
*Commissioner*
Instituto Federal de Telecomunicaciones (IFT), Mexico

Ms Jayne Stancavage
*Global Executive Director of Communications Policy*
Intel Corp.



Mr Mats Nilsson
*Director Strategy and Technology Practise*
Ericsson



Mr Eric Debroeck
*Senior Vice President Regulatory Affairs*
Orange SA

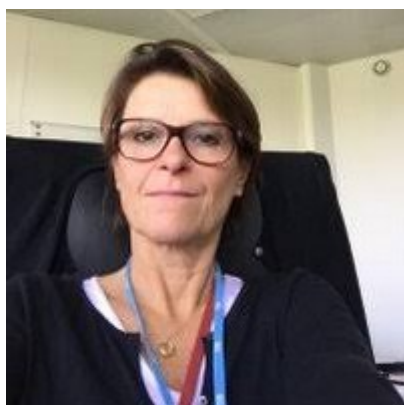| | |
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| *10:45*<br>*11:00* | **Sponsored Coffee break** |
| *11:00*<br>*12:30*<br>*Room 1*<br>*Level 1* | **Session 2: Digital transformation: mastering the new regulatory frontiers** |

*This session will examine the need for algorithms regulation, the importance of strengthening transparency and accountability, the role of regulators as facilitators, and a move to monitoring rather than enforcing.*

**Moderator**



Ms Dalsie Green Baniala
*CEO/Regulator*
Telecommunications and Radiocommunications
Regulator's Office, Vanuatu

**ITU Presentation**
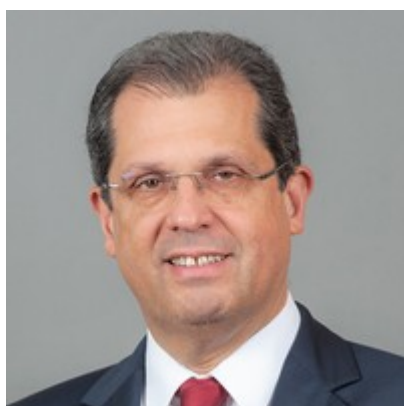


Ms Sofie Maddens
*Head, Regulatory and Market Environment Division*
ITU/BDT

**Panelists**



Mr Sébastien Soriano
*Chairman*
Autorité de régulation des communications
électroniques et des postes (ARCEP), France, BEREC
Vice Chair, FRATEL Vice Chair



Mr João António Cadete de Matos
*Chair of the Board of Directors*
Autoridade Nacional de Comunicações (ANACOM),
Portugal

Ms Nerida O'Loughlin
*Chair and Agency Head*
Australian Communications and Media Authority

Mr Dan Sjöblom
*Director General*
Swedish Post and Telecom Authority (PTS), Sweden

Mr Ba Bocar
*Chief Executive Officer, Samena Telecommunications Council*
Chair CRO

Mr Oscar Martín González
*Undersecretary of Regulation*
Secretariat of Information and Communications Technologies, Ministry of Modernization, Argentina

Mr Mika Lauhde
*Vice President Cyber Security & Privacy*
Global Public Affairs, Huawei Technologies Co., LTD

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| *12:30*<br>*14:30* | **Lunch** |
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| *14:30*<br>*15:45*<br>*Room 1*<br>*Level 1* | **Session 3: Digital Identity across different platforms - can this help achieve the SDGs and foster inclusion for all?** |

*This session will address the following questions: As different platforms are created for e-governance, e-payments, e-health, etc, how can this benefit good governance?  How can the security of such data be guaranteed? Policy makers and regulators address the challenges and share experiences.*

## Moderator



Dr Ram-Sewak Sharma
*Chairman*
Telecom Regulatory Authority of India (TRAI), India

**Panelists**

Ms Yasmina McCarty
*Head of Mobile for Development (M4D)*
GSMA

Mr Joe Anokye
*Director General*
National Communications Authority (NCA), Ghana

Mr Yahya Salim Alazri
*Director*
National Digital Certification Center (Oman National PKI), Information Technology Authority, Oman

Ms Yvette Ramos
*CEO of an IP company, Geneva, VP External Relations INWES*
The International Network of Women Engineers and Scientists

Dr Annegret Groebel
*Head, International Relations Department at BNetzA,
Germany and Vice President of CEER*

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| *15:45*<br>*16:00* | **Sponsored Coffee break** |

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| *16:00*<br>*17:30*<br>*Room 1*<br>*Level 1* | **Session 4: The Human in the middle: How to protect personal data in a smart data driven economy?** |

*This session will discuss measures to enhance consumer trust including secured and trusted data flows, data ownership and control, the role of social media, data security and privacy, and how horizontal regulation can empower consumers.*
*How can regulators gain the required skills and training necessary to ensure that staff can explain the benefits of digital transformation including AI government tools and how they can change citizen experiences for the better?*

**<u>Moderator</u>**



Mr Vincenzo Lobianco
*Chief Technology and Innovation Officer*
Autorità per le Garanzie nelle Comunicazioni, Italy

**Panelists**

Mr Godfrey Mutabazi
*Executive Director*
Uganda Communications Commission (UCC), Uganda

Mr Stephen Bereaux
*Chief Executive Officer*
Utilities Regulation and Competition Authority (URCA),
Bahamas

Ms Hannia Vega
*Presidenta del Consejo*
Superintendencia de Telecomunicaciones (SUTEL), Costa
Rica

Eng. James M. Kilaba
*Director General*
Tanzania Communications Regulatory Authority (TCRA),
Tanzania

Ms Danielle Jacobs
*President*
International Telecommunications Users Group (INTUG)

Dr Dan Hayden
*Data Strategist*
Facebook

## Thursday, 12 July

## GSR-18

*10:15*
*10:30*                    **Sponsored Coffee break**

*10:30*
*12:30*                    **Regulators' track**
*Room 1*
*Level 1*

**Innovative regulatory tools as drivers of cross sectoral collaboration**
*This session will start with a Regulator's talk followed by topical Regulatory Sandboxes on defining regulation 5.0 and G5 regulators, case studies of collaboration: ICT for energy, ICT for trade and e-commerce, AI, IoT and security.*
*Adoption of GSR-18 Best practice guidelines.*

**Moderator**

Mr Charles Millogo
*President*
Autorité de Régulation des Communications électroniques et
des Postes (ARCEP), Burkina Faso

**Panelists**

Mr Konstantinos Masselos
*President*
Hellenic Telecommunications and Post Commission (EETT),
Greece

Mr Filipe Batista
*Secretary-General*
ARCTEL-CPLP

Mr Miguel Giubergia
*Director*
Ente Nacional de Comunicaciones (Enacom), Argentina

Mr René Dönni Kuoni
*Vice-Director*
Office Fédéral de la Communication (OFCOM), Switzerland



Ms Amela Odobašić
*Head of Public Affairs*
Communications Regulatory Agency of Bosnia and Herzegovina



Mr Feliksas Dobrovolskis
*Director General*
Communications Regulatory Authority of Lithuania

**10:30**
**12:30**                    **Industry Leaders' Roundtable**
**Room 5+6**
**3rd Floor**

**Industry Leaders as Drivers of Leading Emerging Technologies**
*Emerging or disruptive digital technologies and services such as Artificial Intelligence (AI), Internet of Things (IoT) and 5G can significantly contribute to the fulfillment of the UN Sustainable Development Goals ("SDGs"), as enablers of large scale deployments through the proliferation of digital services in the converged ecosystem or drivers towards the 4th industrial revolution.*
*While all stakeholders from the public and private sectors play important roles in the entire value chain, industries from the private sector are at forefront and drivers of technological developments: not only through smarter and faster networks but also by deploying great numbers of smarter interconnected devices, resulting in proliferation of new businesses and new levels of user experience.*
*While digital technologies may disrupt industries and markets, they can also unleash the potential for innovation and sizable business opportunities.*

**This session will explore:**
Building on GSR-18 discussions, the Industry Leaders' Debate will share visions, case studies and future trends on technical, regulatory enablers and business investment models, as well as on emerging technologies for the next wave of industry productivity and the provision and advancements of digital services and growth across economies and sectors.

**Opening remarks**



Mr Brahima Sanou
*BDT Director*
International Telecommunication Union (ITU)

**Moderator**



Dr Eun-Ju Kim
*Chief, Innovation and Partnership Department*
BDT/ITU

**What are the key sectors where digital technologies such as 5G, IOT, AI, ML etc. will transform today's digital ecosystems and why? What is the expected socio-economic impact?**

**Panelists**



Eng. Tariq Hamza Zeinalabdin
*President & Chief Executive Officer*
Sudatel Telecom Group, Sudan

Mr Raphael Rollier
*Digital Innovation & Transformation*
SWISSCOM, Switzerland

Mr Oleg Pravdin
*Managing Director*
Blockchain in Telecom

Ms Virpi Stucki
*Business Partnership, Partnerships and Field Integration*
UNIDO

**What are the key technological and regulatory enablers and/or barriers that accelerate or disrupt successful large-scale deployment in the digital economy?**

**Panelists**

Ms Ruth Pritchard-Kelly
*Vice President, Regulatory Affairs*
ONEWEB, United Kingdom

Mr Johan Keetelaar
*Director Public Policy*
Facebook

Ms Jade Nester
*Director, Consumer Policy*
GSMA

Mr Satya N Gupta
*Joint Secretary General, ITU-APT*
Foundation of India

**What are the investment opportunities in the digital ecosystem and which types of investments from the private sector can hold the keys for the successful fulfilment of the SDGs?**

**Panelists**

Mr Atul Mehta
*Director, Telecom, Media, and Technology, Venture Capital & Funds*
International Finance Corporation (IFC)

Mr Michiel Sträter
*Global Lead Telecom, ING Group, Netherlands*

Mr Louis Berlan
*Manager*
Large Venture Fund, Bpifrance, BPI Groupe S.A.

**12:30**
**14:30**                          **Lunch**

**14:30**
**15:00**                          **Information Session on SSDM Regulatory Toolkit**
**Room 1**
**Level 1**

*<u>Regulatory Toolkit and Guidelines</u>*

**<u>Moderator</u>**

Mr José Toscano
*International Government Affairs & Asset management Director*
Intelsat

**Panelists**

Mr Brahima Sanou
*BDT Director*
ITU

Ms Donna Bethea-Murphy
*Senior Vice President Global Regulatory*
Inmarsat

Mr Flavien Bachabi
*Chairman*
ARCEP, Benin

*15:00*
*16:30*
*Room 1*
*Level 1*

**Multi-stakeholder Roundtable: Achieving new sustainable investment models: how to work together?**

**This Interactive discussion will review collaboration mechanisms for sustainable investment in infrastructure (addressing 5G, mobile broadband, fixed broadband, satellite broadband)**

- *How to identify gaps (mapping tools, etc.)?*
- *Who can contribute?*
- *What types of collaboration (collaboration frameworks, funding, financing mechanisms)?*
- *What does success look like?*

**Moderator**



Mr J. P. Morgan
*Board Member*
Utilities Regulation and Competition Authority (URCA),
Bahamas

**Panelists**



Mr Rafael Muente Schwarz
*Chairman of the Board*
Organismo Supervisor de Inversión Privada en
Telecomunicaciones (OSIPTEL), Peru



Mr Abdoulkarim Soumaila
*Secretary General*
African Telecommunications Union (ATU)



Mr Abraão Balbino e Silva
*Competition Superintendent*
Agência Nacional de Telecomunicações (ANATEL), Brazil

Mr Koffi Fabrice Djossou
*Sales Director*
West and Central Africa, Gilat Télécom



Mr David Geary
*General Counsel Caribbean*
Digicel group



Mr Christodoulos Protopapas
*CEO*
HellasSat

**16:30**
**16:45**          **Coffee Break**

**16:45**
**17:30**
**Room 1**
**Level 1**

**Closing**

## Speakers

Mr Ba Bocar
*Chief Executive Officer, Samena Telecommunications Council*
Chair CRO

Mr Johannes Gungl
*CEO for Telecommunications and Postal Service,s Regulatory Authority for Broadcasting and Telecommunications (RTR), Austria and BEREC Chair 2018*
Chair RA Meeting

Mr Sorin Grindeanu
*President ANCOM, Romania*
GSR-18 Chair

Mr Brahima Sanou
*BDT Director*
International Telecommunication Union (ITU)