

4th ITU Annual Forum on “IoT, Big Data, Smart Cities and Societies” for Arab region

Dubai, UAE, 28-29 August 2019

Organized by



Hosted by



In partnership with



Supported by



Day1- Wednesday 28th August 2019

08:30-09:00 Registration

09:00-09:20 Welcome remarks:

- Eng. Ebrahim Al Haddad, Regional Director, ITU Arab Regional Office
- Mr. Mageed Yahia, UN Resident Coordinator
- Dr. Eesa Mohammed Bastaki, President of the University of Dubai
- Eng. Tariq Al Awadhi, Executive Director Spectrum Affairs, Telecommunication Regulatory Authority, UAE

09:20-09:40 Arab IoT & AI Challenge Award ceremony

The session will have a presentation about Arab IoT & AI Challenge, then there will be a quick statistics about UAE Hackathon (number of teams, ideas summary,... etc), then winners announcement.

Moderator: Eng. Mohammed Aboud, Arab IoT & AI Challenge Program Manager

09:40-10:00 Coffee Break and Group Photo

10:00-10:30 Keynote Speakers

- Mr. Reza Arefi, Executive Director of Spectrum Strategies and Global Radiocommunication Standards, Intel's representative [[Remotely](#)]
- Mr. Michele Zarri, Technical Director – Networks, Technology, GSMA's representative
- Dr. Fadel Digham, NTRA-Egypt's representative

10:45-12:00 Session1: Potential roles of 5G networks and IoT in the Arab Region

The session will focus on technical aspects and potential roles of 5G networks and IoT and their deployments in the Region in order to support digital economy. In addition, the session will discuss the emerging 5G technologies and spectrum implications as well as the potential of 5G networks and IoT in Arab region.

Moderator: Mr Turhan Muluk, Telecom Policy Director & ITU-D Representative, Intel

Panelists:

- Role of 5G and Internet of Things (IoT) in the Digital Economy
 - Eng Mustafa Al Mahdi, ITU
- Potential of 5G networks and IoT
 - Mr Ignacio Astillero, Business Development Director, Intel
- Emerging technologies and spectrum implications:
 - Mr Ammar Sabbagh, Head of Business Development – Technology & IoT solutions, Ericsson

12:00-13:30 Lunch Break

13:30-14:30 Session 2: Enabling environment for 5G and IoT in the Arab Region

The session is to highlight the key issues and responses for regulators and policy-makers to consider for formulating plan, policies and strategies to stimulate investment in 5G and IoT networks. In addition, the session aims to spotlight on 5G's spectrum availability and allocation, legal and regulatory framework, technology enablers, available terminals and devices for IoT in the Arab Region.

Moderator: Eng Mustafa Al Mahdi, Programme Administrator, ITU Arab Regional Office

Panelists:

- Regulatory options to promote investment in 5G and IoT
 - Sultan Al Balooshi, Manager Spectrum Policy, Telecommunication Regulatory Authority, UAE
- Legal and Regulatory frameworks and business models for 5G and IoT
 - Professor William Webb, CEO, Weightless SIG [Remotely]
- Role of regulators on 5G and IoT development and deployment
 - Dr Ahmed Sohaily, Communications and Information Technology Commission (CITC) of Kingdom of Saudi Arabia (KSA)
- Enabling policies for 5G and IoT
 - Mr Turhan Muluk, Telecom Policy Director & ITU-D Representative, Intel
- 5G spectrum national strategy and 5G ecosystem
 - Mr. Tang Conghua, Deputy Director of 5G Industry Development Department, 5G Domain, Huawei Technologies Co.,Ltd.

14:30-16:00 Session 3: Paving the Way for Big Data for Development

This session will shed light on the opportunities of Big Data for Development in the Arab region and more importantly will address how to create enabling environments to launch developmental applications of Big Data across all fields.

Moderator: Dr Nasser Kettani, ITU Consultant

Panelists:

- Big Data in Academic Research
 - Mr Ali Mazraeh, CEO, ADRI
- Capacity building for Big Data
 - Dr. Ayman Ibrahim, Senior Advisor, Strategy, Innovation & Digital Transformation, Nile University
- Google AI - Tools to help navigate your Data
 - Mr Victor Bishay, Regional Lead – MENA, Google

09:00-10:30 Session 4: Deployment Strategies in IoT for Smart Cities Implementation: Coverage and connectivity issues and challenges

This session is aiming to discuss the IoT related opportunities and challenges faced by policy makers and regulators during the adoption of the IoT ecosystem and for the implementation of the Smart Sustainable Cities. In addition, the session will explore key requirements from industry players to build successful smart and sustainable cities strategies including different types of IoT applications and services such as healthcare, home automation, disaster recovery, and industry automation. Moreover, the session will be showcasing IoT products and solutions that are changing the way the world communicates.

Moderator: Eng Mohammed Aboud, Co-Founder and CEO Global Innovation and Entrepreneurship (GIE)

Panelists:

- Challenges in deploying the IoT services in smart cities:
 - Dr Fadel Digham, Executive Director, Research & Development, NTRA-Egypt
- Topic to be added
 - Mr Eslam Kandiel, Regional Technical Manager, Intel
- IoT Applications and Services
 - Dr. Ahmed Dabbagh, Director Technology Transfer and Partnership, Sharjah Research Technology and Innovation Park Free Zone (SRTI Park)
- Development of IoT and Smart cities: Industry perspective
 - Eng Muhammad Atif Jamil, Director Solutions – Smart City, 5G, Data Analytics, Huawei
- IoT for Smart Cities, Challenges, Use Cases
 - Mr Afzal Shabaz Mohammed, Head of Mindsphere and Command & Control”, SIEMENS, UAE,

10:30-11:00 Coffee Break

11:00-12:00 Session 5: 5G, AI and IoT for Digital Transformation Acceleration

The session is aims to shed light on How are 5G, AI and IoT accelerating digital transformation, What is digital transformation doing for business today and what will it deliver in the future and the milestones and roadmap for the future digital transformation in Arab Region.

Moderator: Eng. Suleman Bakhsh, Senior Manager – Strategies and policies, Telecommunication Regulatory Authority, UAE

Panelists:

- 5G & AI for Digital transformation acceleration
 - Mr Turhan Muluk, Telecom Policy Director & ITU-D Representative, Intel
- Latest technologies and applications for digital transformation

- Eng. Hany Morcos, Cloud Technologies Director, Middle East and Africa Public Sector, Microsoft
- An overview of industry attitudes toward and adoption of IoT for digital transformation
 - Dr. Muneer Zuhdi, Partner, MEA Region, Nokia
- 5G business opportunities for Digital Transformation
 - Mr. Faisal AlKhalidy, Director of Digital Experts, National Digital Transformation Unit of Saudi Arabia
- Enable an autonomous world! with big data & AI
 - Eng Mohamed Abdeljalil, Business Development and Community Growth Manager at HERE Technologies, Middle East

12:00-13:30 Lunch Break

13:30-15:00 Session6: How are IoT and Smart Cities Influencing Industry 4.0

The session aims to discuss the elements of Industry 4.0 such as big data, Internet of Things and smart factory have a positive role in promoting digital transformation including Smart Cities data and services that will change future production, logistics, and work processes. This means that the evolution of the IoT has gone beyond Internet-connected applications in recent years with the integration of different technologies such as machine learning, embedded systems, intelligent manufacturing, and wireless connection.

Moderator: Prof. Wathiq Mansoor, Dean of Faculty of Engineering, University of Dubai

Panelists:

- Industry 4.0 as a part of Smart Cities
 - Dr Okan Geray, Strategic planning Advisor, Smart Dubai
- Digital Transformation approach for Industry 4.0
 - Eng. Yevgenij Shvetsov, Regional Business Development Manager LDA&DE, SIEMENS
- The Role and Impact of Industry 4.0 and the Internet of Things in promoting digital transformation
 - Eng. Sohaib Qamar Sheikh, IEEE Region8 representative,
- Intelligent Manufacturing in the context of Industry 4.0
 - Dr. Brahim Ghribi, Head of Government Relations and Policy Affairs Middle East and North Africa, Nokia

15:00-15:30 Session7: Forum's Wrap-up and closing

Finalisation of Recommendations and closing remarks

- Eng. Ebrahim ALHADDAD, Regional Director, ITU Arab Regional Office
- Dr. Eesa Mohammed Bastaki, President of the University of Dubai
- Eng. Tariq Al Awadhi, Executive Director Spectrum Affairs, Telecommunication Regulatory Authority, UAE