Regional Workshop on Emerging Technologies

**Organized by the
International Telecommunication Union (ITU)
At the kind invitation of the
Ministère de la Poste, des Télécommunications, des Technologies et du
Numérique,Algeria**

**14-15 February 2018
Algiers, Algeria**

Day 1	
8.30 – 9.00	**Registration**
9.00 - 9.30	**- Opening and Welcome** **- Introduction to the Workshop and its objectives**
9.30 – 9.45	**Briefing on the Outcomes of the World Telecommunication Development Conference (WTDC 2017), Ms. Rouda AlAmir Ali, Programme Officer, ITU ARO**
9.45 – 10.00	**Keynote speech** • **Dr. Karim Djouani, Expert, Mobilis**
10.00 - 10.30	**Coffee Break**
10.30 – 12.30	**Session 1 : 5G / IMT 2020** **The future of mobile communications is likely to be very different to today's uses and applications.** **5G will be the main platform for digitizing society and economy, by building on the convergence between mobile and fixed technologies, capable of delivering inclusive and highly customized services to a diverse range of users.** **The development of 5G will deliver significant societal benefits in terms of both new** **This session will address 5G standardization priorities, the challenges for 5G fixed-mobile convergence, milestones and approach from the perspective of governments, operators and related industrial associations and fora.** **Moderator: Mr. Ali Abbassene, Expert, MPTTN, Algeria** **Panelist:** • **Dr. Luca Pesando , ITU-T SG 13 Chairman (Remotely),** *"Role of SG 13 in IMT2020 definition and progress so far"* • **Mrs. Inês Nolasco, ITU Expert,** *"5G: the new hype?"* • **Mr. Marco Carugi, ITU Expert,** *"Key features and requirements of 5G/IMT-2020 networks"* • **Dr. Karim Djouani, Expert, Mobilis,** *"5G An opportunity and a gradual Strategy in the Algerian context"*

	• **Dr. Brahim Ghribi, Head of Government Relations, MEA, Nokia,** *"Making 5G a commercial reality"* • **Dr. Shiv K. Bakhshi, Vice President, Industry Relations, Ericsson, Inc.** *"5G and standards: managing complexity, ensuring interoperability"*
12.30 -14.00	Lunch

14.00 – 16.00	**Session 2 : Internet of Things**
	The concept of IoT is being promoted as a key enabler for paving the way to smart sustainable cities. Smart sustainable cities are able to reap the benefits of a secure Internet of Things infrastructure to create safer, more efficient and environmentally conscious living corridors for the growing urban population.
	
	This session will reimagine the implementation of the IoT paradigm and address the current urban challenges by creating smart and sustainable solutions for advantage of the future generations.
	Main Discussion Points:
	   - **Adopting the IoT Paradigm: Challenges and Opportunities**
	   - **Fostering IoT innovation in smart sustainable cities**
	   - **Resilience of the IoT Infrastructure in smart sustainable cities**
	   - **Impact of IoT on Development in the Arab region**
	
	Moderator: Dr. Karim Djouani, Expert, Mobilis
	
	Panelist:
	• **Mr. Marco Carugi, ITU Expert,** *"Internet of Things and Smart Cities: advances, perspectives, challenges in some technical areas including standardization"*
	• **Mr. Ali Abbassene, Expert, MPTTN, Algeria,** *"ITU-T SG20 IoT data and information related standardization activities"*
	• **Mr. Osama Ghanim, CEO, INNOVABIA,** *"IOT AS THE NEXT MILESTONE FOR INNOVATIONS IN THE 21ST CENTURY"*
	• **Dr. Brahim Ghribi, Head of Government Relations, MEA, Nokia,** *"Internet of Things Towards a more collaborative model"*
	• **Mr. Yves Dubuisson, Chief Strategy Officer, Ooredoo Algeria** *"IoT and Smart Cities: A perspective from Algeria"*

16.00 – 17.00	**Wrap up Day 1 & General Discussions**

Day 2

9.00 – 10.30	**Session 3 : Cloud Computing & Big Data**
	Just like how electricity was generated locally and now it is provided to the user by the grid, it seems like we are heading towards a future where computing power and storage will be provided by the cloud.
	In another hand, the huge volumes of data generated from different classical and new sources and the need to analyze them and deduct value in shorter times have given rise to big data technologies and data science techniques.
	This session will explore the opportunities, benefits and challenges that may face the deployment of cloud computing. Global and regional best practices will be presented.
	This session will also shed the light on the trends in big data and data science as well as new opportunities from government data.
	Moderator: Dr. Karim Djouani, Expert, Mobilis
	Panelist:
	• **Dr. Rim Belhassine-Cherif, Chief Services and Innovation Officer, Tunisie Télécom, TSAG Vice-Chair, ITU-T SG13 Vice-Chair** *"Le Cloud Computing : Opportunités, Challenges et Besoins en Normalisation"*
	• **Mrs. Inês Nolasco, ITU Expert** *"EU Initiatives on Cloud Computing"*
	• **Mrs. Soumaya Benbartaoui, Interim of Electronic Certification Director – ITU-T SG13 RG-AFR Vice-Chair** *"Aperçu des travaux de l'UIT dans le Cloud Computing"*
	• **Mr. Slaheddine Maaref, Senior Advisor, ITU Arab Regional Office** *"Cloud Computing in Education"*
10.30-11.00	**Coffee Break**
11.00 –12.30	**Session 4 : Experiences, Success Stories and Challenges**
	During this session, participants and lecturers will exchange experiences in different countries.
	Best practices and success stories will be presented.
	Challenges as well as the difficulties encountered will be shared and recommendations will be formulated.
	Moderator : Mr. Farid LEFKIR, Vice-Président de l'Association Algérienne des TIC (AITA), Consultant-Expert TIC, Algeria
	Panelist:
	• **Dr. Rim Belhassine-Cherif, Chief Services and Innovation Officer, Tunisie Télécom, TSAG Vice-Chair, ITU-T SG13 Vice-Chair** *"Les Opérateurs Télécom en tant que CSPs: Expérience de Tunisie Télécom"*

	• **Ms. Rafia Baraket, Expert, ARPT, Algeria** *"Expérience du Cloud Computing: entre atouts et défis réglementaires"* • **Mrs. Inês Nolasco, ITU Expert,** *"5G Series (video)"* • **Mr. Marco Carugi, ITU Expert** *"Sharing best practice approaches and experiences from initiatives in the IoT domain"* • **Dr. Mustapha Sadok, Enseignant-Chercheur, INTTIC, Oran, Algeria,** *"Stratégies Modernes pour la Gestion du Spectre"*
12.30 – 13.30	**Wrap up and Closing**
13.30- 14.30	**Lunch**