**Telecommunication
Development Bureau (BDT)**

Ref.: BDT/EUR/DM/203   Geneva, 19 August 2016

To:
Administrations of ITU Member States,
Regulators, ITU-D Sector Members and
Academia Members in Europe

Subject: **ITU Centres of Excellence eLearning course on "4G and Next Generation Mobile Internet ",
22 November-19 December 2016**

Dear Sir/Madam,

I am pleased to invite your organization to participate in the eLearning training on "**4G and Next Generation Mobile Internet**" to be held from **22 November to 19 December 2016**. This training is organized jointly by the International Telecommunication Union (ITU) and the Faculty of Electrical Engineering and Information Technologies, Ss. Cyril and Methodius University in Skopje, FYR of Macedonia as part of the Broadband Access programme under the auspices of the ITU Centres of Excellence for Europe. The training will be delivered in English through the ITU Academy Platform.

The training will aim to cover 4G and Next Generation Mobile Internet from technology, regulation and business aspects as well as mobile Internet fundamentals, including Mobile IP and Mobile IPv6, mobility on different protocol layers, handovers, Internet technologies for mobile networks (GTP, SCTP) and regulation and business aspects for mobile Internet. Also, it will cover 4G and next generation mobile services, including Quality of Service (QoS) framework in 4G networks, mobile VoIP (VoLTE), mobile IPTV and video streaming, Mobile Cloud Computing (MCC), Web 2.0 and Over-The-Top (OTT) services (Skype, Youtube, Facebook) over mobile broadband, Key Performance Indicator (KPIs) as well as business and regulation of mobile broadband Internet services. Finally, the course will incorporate evolution toward 5G, including 5G network architectures, 5G mobile Internet and mobile clouds, M2M and Internet of Things (IoT) in 5G, next generation mobile Internet services, role of ITU for 5G global harmonization and potential solutions for 5G spectrum as well as business challenges for 5G mobile broadband.

Detailed information on this training is described in the training outline which can be downloaded from the ITU Academy Portal at the following link http://academy.itu.int/. Registration should be done online at the aforementioned link no later than 21 November 2016.

This training is targeted at managers, engineers and employees from regulators, government organizations, telecommunication companies and academia, who are interested in development, implementation and regulation of Broadband Internet and Future Networks, from technology, regulation and business aspects.

Mr Jaroslaw Ponder, Coordinator for Europe Region (eurregion@itu.int) is at your full disposal should you require any further information.

I look forward to your active participation and invaluable contribution.

Yours faithfully,

[Original signed]

Brahima Sanou
Director