Wireless and Mobile Ultra-Broadband: LTE-A Pro, WLAN, and 5G NR

Registration

Start date of registration

04 Mar 2019

-

End date of registration

27 Nov 2019

Event dates

Start date

19 Nov 2019

-

End date

Location

Europe

Training topics

Training topics

Wireless and fixed broadband

Training type

Training modality

Online instructor led

Languages

Languages

English

Event organizer

Event organizer

FEEIT, North Macedonia

Tutors

- Toni Janevski
- Tomislav Shuminoski
- Pero Latkoski
- Elena Stankovska-Castilla

Event email contact

Event mail contact

hcbmail@itu.int

Price

$150.00

Description

This course will focus on Wireless and Mobile Ultra Broadband Internet â LTE-A Pro, WLAN and 5G NR, from technology, regulation and business aspects. It will cover mobile broadband technologies, including mobile and Internet convergence, ITUâs role in mobile broadband Internet, 4G LTE, LTE-A (4.5G), LTE-A Pro (4.9G), mobile Internet of Things (IoT) architectures, QoS in 4G/4.5G/4.9G mobile networks, ITU spectrum management, as well as business and regulation aspects of mobile broadband. Further, the course will include ultra-broadband WLAN, including architectures, ultra-broadband WLAN standards (IEEE 802.11 ac/ad), Next Generation WLAN (IEEE 802.11x), WLAN for Internet of Things (IoT), mobile traffic offload over WLAN, as well as regulation and business aspects of ultra-broadband WLAN. Also, it will cover 5G mobile ultra-broadband, including ITUâs IMT-2020, 5G network architectures, network slicing, 5G New Radio (NR), 5G Next Generation Core (NG Core), Mobile Edge Computing (MEC), QoS in 5G, ITU WRC-2019 and 5G spectrum allocations, as well as business and regulation aspects for 5G mobile ultra-broadband. Finally, the course will incorporate mobile ultra-broadband services, including Voice over LTE (VoLTE), Voice over 5G NR (VoNR), mobile TV and video over 4G/5G, enhanced Mobile Broadband (eMBB), Ultra-Reliable Low-Latency Communication (URLLC), massive Machine Type Communication (mMTC), Virtual Reality (AR) and Augmented Reality (AR), network neutrality vs. QoS as well as regulation and business aspects for mobile ultra-broadband services.

Registration and payment information

[Document on registration and payment information (English)](#)

Unless specified otherwise, all ITU Academy training courses are open to all interested professionals, irrespective of their race, ethnicity, age, gender, religion, economic status and other diverse backgrounds. We strongly encourage registrations from female participants, and participants from developing countries. This includes least developed countries, small island developing states and landlocked developing countries.

Related documentation and links

[Invitation letter](#)457.13 KB

[course outline](#)277.02 KB

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