

Registration and payment information

NGN Evolution, Future Networks and Ultra-Broadband Internet

Training details

Modality: Online instructor led

Dates: 28 May 2019 - 30 Jun 2019

Training fees: \$150.00

Language: English

Registration deadline: 10 Jun 2019

Training code: 19OI24244EUR-E

Contact: tonij@feit.ukim.edu.mk

Training description

This course will focus on NGN Evolution, Future Networks and Ultra-Broadband Internet from technology, regulation and business aspects. It will cover the Internet fundamentals, including Internet architectures (client-server, peer-to-peer), protocols (IPv4, IPv6, TCP, UDP), IPv4 and IPv6 addressing, DNS, Internet networking (unicast, multicast), WWW services (Web 2.0, Web 3.0), Internet traffic management and QoS, as well as strategic Internet governance. Further, the course will include ITU's Next Generation Networks (NGN), NGN evolution (NGNe), Future Networks, Software Defined Networking (SDN), QoS for NGN and Future Networks, trusted environment in ICT infrastructures, as well as business and regulatory aspects of Future Networks and trusted ICT infrastructures. Also, it will cover ITU's ultra-broadband xDSL access, cable access (DOCSIS 3.0/3.1), ITU's ultra-broadband optical access (G-PON, XG-PON, NG-PON2), QoS for fixed ultra-broadband access, Carrier Ethernet (Metro, Regional, Global), MPLS and VPN (Virtual Private Networks), SDN control of transport networks, end-to-end QoS, as well as strategic aspects for ultra-broadband on digital economy and society. Finally, the course will incorporate NGN VoIP and IPTV, cloud edge and fog computing, Internet of Things (IoT) based on NGNe, Artificial Intelligence (AI) for ICTs, Big Data, Smart Sustainable Cities (SSC), OTT ultra-broadband services (2k/4k/8k video, AR/VR, voice, messaging, social networking), network neutrality, as well as business and regulatory aspects of ultra-broadband services in the digital era.

For more information about the training objectives, target population, entry requirements, methodology, evaluation and content, consult the page [here](#).

How to register

In order to register for the training, participants should:

1. Create an ITU Academy account [here](#)
2. Register for the course [here](#)

How to pay for the training

A training fee of USD 150.00 per participant is applied for this training course. Payment should be made via the online system using the link mentioned above for training course registration at [course page](#).

Where it is not possible to make payment via the online system, select the option for offline payment to generate an invoice using the same link as above. Download the invoice to make a bank transfer to the ITU bank account shown below. Then send the proof of payment/copy of bank transfer slip and the invoice copy to Hcbmail@itu.int and copy the course coordinator. **All bank transaction fees must be borne by the payer.**

Failure to submit the above documents may result in the applicant not being registered for the training.

Group registration and payment

Registration and payment for multiple people from an organization is possible through institutional contacts.

To become an institutional contact:

1. Go to your profile page by clicking on the “My account” button in the user menu and click on the “Apply to be an Institutional Contact” button
2. Fill in the required information and click “continue”, a request will be created.
3. An ITU Academy manager will manually review this request and accept or deny it accordingly.
4. If accepted, you will find a new menu tab “Institutional Contact” appearing in the top bar. You can now request multiple seats in a course and assign them to people from your group. Kindly note, each individual must create an ITU Academy account.



The [ITU Academy](#) is the International Telecommunication Union leading platform for capacity development initiatives.

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