Registration information

# Future fixed and mobile broadband internet, cloud computing and IoT/AI

**Organized by:**

## Training details

**Modality:** Online instructor led
**Dates:** *01 Dec 2025 - 08 Dec 2025*
**Training fees:** $150.00
**Language:** English
**Application deadline:** 30 Nov 2025
**Payment methods:** bank_transfer, Bank transfer
**Training code:** 25OI500209MUL-E-D
**Contact:** s.laskowski@il-pib.pl

## Training description

This course focuses on future fixed and mobile broadband Internet, cloud computing and IoT/AI, including technical, business and regulatory aspects. It covers Internet technologies (IPv6, QUIC, DNS, QoS, cybersecurity), future fixed-terrestrial and satellite broadband including gigabit metallic, cable, and optical broadband (FTTH/FTTR, 50G-PON), submarine cable, satellite broadband, as well as transport networks (ITU's OTN, SD-WAN, Carrier Ethernet). Further, course includes future mobile broadband, including 5G-Advanced and future 6G mobile broadband (ITU's IMT-2030), as well as future WiFi technologies and their uses by telecom operators. It also includes the Internet of Things (IoT) ITU framework, existing and future IoT, Big Data and Quantum Internet, as well as Artificial Intelligence (AI) technologies including the ITU framework for Machine Learning (ML), AI/ML based QoS/QoE, security, 5G/6G operations, and Generative AI for telecom sector. Further, it also covers cloud and edge computing for telecoms and OTTs, future fixed and mobile services including voice, video, XR/AR/VR, critical IoT services (URLLC, IIoT, Smart City), V2X, Quantum Internet

applications, and metaverse. Finally, the course includes regulation and business aspects of future Internet, clouds, metaverse, crypto (blockchain), IoT and AI.

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

## How to apply

In order to register for the training, applicants should:

1. Create an ITU Academy account here
2. Apply for the course here
3. The selection of participants for the course will be made by the course coordinators, based on the course's entry requirements, selection criteria and available number of seats. If selected, you will receive a notification by email.

## How to pay for the training

This course is organized by National Institute of Telecommunications (NIT), an ITU Academy Training Centre, which will collect the training fees directly.

You will find details about the payment process of this Centre at the following link or alternatively in your ITU Academy account under My courses.

Kindly note that payment must be made by 30 Nov 2025

## 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.

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