
[Future fixed and mobile broadband internet, cloud computing and IoT/AI](#)

Registration

Start date of registration

15 Nov 2024

-

End date of registration

30 Nov 2025

Event dates

Start date

01 Dec 2025

-

End date

Location

Global or multi-regional

Training topics

Training topics

Artificial intelligence

Wireless and fixed broadband

Internet of Things

Training type

Training modality

Online instructor led

Languages

Languages

English

Coordinators

- Sylwester Laskowski
- Toni Janevski

Payment methods

- Bank transfer

Event email contact

Event mail contact

s.laskowski@il-pib.pl

Price

\$150.00

Event organizer(s)



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.

Registration information

[Document on registration 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

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