



ITU Centres of Excellence Network for Europe

National Institute of Telecommunications

Online Training Course on

Strategic Aspects for Internet Governance and Innovations

1-8 February 2021

COURSE OUTLINE

COURSE DESCRIPTION

Title	Strategic Aspects for Internet Governance and Innovations
Objectives	Internet and Internet Protocol (IP) have become the norm for digital communications. Good understanding of the IP world requires not only knowledge of the technical and technological aspects of IP, but also strategic, political business issues. The course aims at presenting the current process of innovation in Internet from these perspectives.
Dates	1-8 February 2021
Duration	8 days
Registration deadline	31 January 2021
Training fees	USD 150
Course code	21OI26392EUR-E

DESCRIPTION OF THE TRAINING COURSE

This course covers the strategic aspects of Internet governance and innovations, regarding the technology, regulatory and business aspects. The transition of telecom networks and services to all-IP networks has been completed almost everywhere in the first two decades of the 21st century. Such convergence in telecommunications towards IP networks and services and use of the Internet technologies has been driven by the development of broadband across the globe. The development of broadband networks is targeted mainly for Internet access service therefore this course covers the Internet standardization and policy. Further, network neutrality in Internet provides basis for speedy innovations in telecom/ICTs via the so-called OTT (Over The Top) services. Then, course compares Google model vs. Apple model for innovations. Further, the course also includes mobile QoS-enabled voice, based on NGN and IMS (IP Multimedia Subsystem), and Internet telephony (e.g., Skype,

Viber. WhatsApp). Then it continues with IPTV innovations, including IMS-based IPTV, mobile TV (evolved MBMS), and OTT (Over The Top) television. Finally, the course also covers innovative services and applications on Internet (based on clouds and Internet of Things - IoT), network neutrality for open Internet, as well as regulatory issues related to IP/Internet governance.

LEARNING OUTCOMES

At the end of the training, the participant should have gained an understanding of the key aspects of:

- Convergence in telecommunications towards Internet
- Broadband strategies and Innovations
- Internet standardization and policy
- Innovation management in ICT
- Google model vs. Apple model for innovations
- Mobile and Internet telephony
- IPTV innovations
- Innovative services and applications
- Network neutrality
- Regulatory issues related to IP/Internet governance

TARGET POPULATION

The course is addressed to corporate executives and managers, policy makers, regulators, i.e. middle-level managers, administrators, officials and engineers dealing with planning, development, implementation and management of current and future IP/Internet networks.

ENTRY REQUIREMENTS

No prior knowledge or qualification is required to register for this course, considering the given target population.

TUTORS/INSTRUCTORS

NAME OF TUTOR(S)/INSTRUCTOR(S)	CONTACT DETAILS
Prof. Toni Janevski	tonij@feit.ukim.edu.mk

TRAINING COURSE CONTENTS

There are in total eight days of training. Over the first 5 days (1-5 February), two recorded video lectures will be given per day, or total of 10 video lectures throughout the whole course. The lectures are on the following subjects:

Lecture	Subject
Lecture 1	Convergence in telecommunications toward Internet
Lecture 2	Broadband strategies and innovations
Lecture 3	Internet standardization and policy
Lecture 4	Innovation management in ICT
Lecture 5	Google model vs. Apple model for innovations
Lecture 6	Mobile and Internet telephony
Lecture 7	IPTV innovations
Lecture 8	Innovative services and applications
Lecture 9	Network neutrality
Lecture 10	Regulatory issues related to IP/Internet governance

TRAINING COURSE SCHEDULE

Days	Topic	Exercises and interactions
Day 1	Lecture 1. Convergence in telecommunications toward Internet Lecture 2. Broadband strategies and innovations	Watching and listening to video lectures 1 and 2. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 2	Lecture 3. Internet standardization and policy Lecture 4. Innovation management in ICT	Watching and listening to video lectures 3 and 4. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 3	Lecture 5. Google model vs. Apple model for innovations Lecture 6. Mobile and Internet telephony	Watching and listening to video lectures 5 and 6. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 4	Lecture 7. IPTV innovations Lecture 8. Innovative services and applications	Watching and listening to video lectures 7 and 8. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 5	Lecture 9. Network neutrality Lecture 10. Regulatory issues related to IP/Internet governance	Watching and listening to video lectures 9 and 10. Answering on questions asked by the tutor, and possibility to ask questions to him via course forum.
Day 6-7	Consolidation of knowledge	Possibility to watch all video lectures once again with possibility to ask

		questions to the tutor.
Day 8	Final Quiz	Solving the Final Quiz.

METHODOLOGY

This course will be delivered using instructor-led online learning. The course methodology will be as follows:

- Each day from 1 to 5 February 2021 there will be made available two recorded video lectures, which are recorded in the face-to-face ITU Centre of Excellence workshop organized by National Institute of Telecommunications in Poland. In total there are 10 video lectures during the course.
- Discussion forum will be organized based on discussion topics given on a daily basis, where students are highly encouraged to participate and interact with instructors and other students.
- Quiz test will be assigned on the last day of the course, 8 February 2021.
- All announcements for all events (lectures, quiz and forum) will be given in a timely manner (prior to the event) by the course tutor.

EVALUATION AND GRADING

On the last day of the course a quiz test will be assigned. It will consist of 20 questions (multiple choices) which should be solved in 90 minutes, with at least 12 correct answers (60%).

The course evaluation for obtaining the certificate at the end is based primarily on the results from the Quiz, however, replies to the raised discussion topics may also be considered in the evaluation process.

TRAINING COURSE COORDINATION

Course coordinator: Name: Sylwester Laskowski Email address: S.Laskowski@il-pib.pl	ITU coordinator: Name: Jaroslaw Ponder Email address: Jaroslaw.ponder@itu.int
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REGISTRATION AND PAYMENT

ITU Academy portal account

Registration and payment should be made online at the ITU Academy portal.

To be able to register for the course you **MUST** first create an account in the ITU Academy portal at the following address:

<https://academy.itu.int/index.php/user/register>

Training course registration

When you have an existing account or created a new account, you can register for the course online at the following link: <https://academy.itu.int/training-courses/full-catalogue/strategic-aspects-internet-governance-and-innovations-6>

You can also register by finding your desired course in our training catalogue <https://academy.itu.int/index.php/training-courses/full-catalogue>

Payment

1. On-line payment

A training fee of USD 150 per participant is applied for this training. Payment should be made via the online system using the link mentioned above for training registration at <https://academy.itu.int/training-courses/full-catalogue/strategic-aspects-internet-governance-and-innovations-6>.

2. Payment by bank transfer

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.

3. Group payment

Should you wish to pay for more than one participant using bank transfer and need one invoice for all of them, create an account as **Institutional Contact**. **Institutional Contacts** are users that represent an organization. Any student can request to be an institutional contact or to belong to any existing organization.

To do this, head to your profile page by clicking on the **“My account”** button in the user menu. At the bottom of this page you should see two buttons:

- a. If you want to **become an institutional contact**, click on the **“Apply to be an Institutional Contact”** button. This will redirect you to a small form that will ask for the organization name. After you fill the name of the organization you want to represent, click on **“continue”** and a request will be created. An ITU Academy manager will manually review this request and accept or deny it accordingly.
- b. If you want to **belong to an existing organization**, click on the **“Request to belong to an Institutional Contact”** button. This will redirect you to a small form that will ask you to select the organization you want to join from an organization list. After you select the correct organization, click on **“continue”**, a request will then be created. The Institutional Contact that represents that organization will manually accept or deny your request to join the organization.

ITU BANK ACCOUNT DETAILS:

Name and Address of Bank:	UBS Switzerland AG Case postale 2600 CH 1211 Geneva 2 Switzerland
Beneficiary:	Union Internationale des Télécommunications
Account number:	240-C8108252.2 (USD)
Swift:	UBSWCHZH80A
IBAN	CH54 0024 0240 C810 8252 2
Amount:	USD 150
Payment Reference:	CoE-EUR 26392 – P.40595.1.04

4. Other method of payment

If due to national regulations, there are restrictions that do not allow for payment to be made using options 1 & 2 above, please contact the ITU coordinator for further assistance.

CERTIFICATES

Each fully registered participant who successfully completes the course, based on the evaluation, will receive an ITU Certificate for this course.