

# BUILDING BROADBAND TELEMEDICINE NETWORKS AND PROVIDING E-HEALTH SERVICES AT THE LOCAL, REGIONAL AND NATIONAL LEVELS

| 14 - 15 May 2020|

**Odessa, UKRAINE**

The purpose of the Workshop is to give to the participants the information on

## ORGANISED BY



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### LANGUAGE

English

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### FEES

100 USD

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### MODE

Face-to-face (Blended)

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### DURATION

2 days

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### REGISTRATION DEADLINE

May 14, 2020

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### COURSE CODE

XXX

- provision of medical services using telemedicine networks, including the processing of digital medical data, personalized medical-service records, the electronic outpatient card, the electronic patient health record, and so on.
- determining the optimal variant of building telemedicine networks at the local, regional and national levels, taking into account the specificity of the countries in the region.
- construction of telemedicine networks, including the selection of hardware and software, as well as its installation and configuration.

### Audience:

This workshop is targeted at technical staff, engineers, senior and mid-level management staff of telemedicine and telehealth service providers, medical institutions, clinics and hospitals, for doctors, for medical students. It is also of interest to employees of ministries and government healthcare authorities dealing with the issues of telemedicine network development and providing e-Health services.

### Trainer:

Vadim Kaptur

# FEATURES OF 5G TECHNOLOGY IMPLEMENTATION AT THE LOCAL (SOME TOWNS), REGIONAL (DISTRICT, REGION) AND NATIONAL LEVEL

| 11 - 12 June 2020 |

**Odessa, UKRAINE**

ORGANISED BY



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## LANGUAGE

English

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## FEES

100 USD

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## MODE

Face-to-face (Blended)

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## DURATION

2 days

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## REGISTRATION DEADLINE

June 11, 2020

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## COURSE CODE

XXX

The purpose of the Workshop is to give to the participants the information on modern and perspective technologies for mobile communications and broadband access. The Workshop will allow participants in future personally to assist introduction and development of 5G mobile communication and broadband access networks.

After the Workshop, participants will have an understanding of:

- main radio interfaces of 5G
- technologies used at the 5G physical layer, in particular the technical data, the frequency bands, spectral efficiency and the main technologies used at the physical layer
- principles of implementation of the 5G physical layer, in particular formation and processing of broadband signals; principles of 5G network implementation, in particular network architecture
- principles of the frequency planning for 5G networks, in particular of the radio channel models for mobile networks, principles of calculation of radio channel and coverage, finding of trade-off between "power efficiency" and "frequency efficiency" in modern broadband access systems
- further evolution of 5G networks

### Audience:

This workshop is targeted at technical staff, engineers, senior and mid-level management staff of telecommunications service providers, telecommunication and broadcasting companies. It is also of interest to employees of Telecommunication Authorities dealing with the issues of broadband network development, audio and multimedia broadcasting.

### Trainer:

Vadim Kaptur

# FEATURES OF 5G TECHNOLOGY IMPLEMENTATION AT THE LOCAL (SOME TOWNS), REGIONAL (DISTRICT, REGION) AND NATIONAL LEVEL

| 2 - 3 July 2020 |

**Odessa, UKRAINE**

ORGANISED BY



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## LANGUAGE

English

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## FEES

100 USD

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## MODE

Face-to-face (Blended)

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## DURATION

2 days

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## REGISTRATION DEADLINE

July 2, 2020

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## COURSE CODE

XXX

The purpose of the Workshop is to give to the participants the information on modern and perspective technologies for mobile communications and broadband access. The Workshop will allow participants in future personally to assist introduction and development of 5G mobile communication and broadband access networks.

After the Workshop, participants will have an understanding of:

- main radio interfaces of 5G
- technologies used at the 5G physical layer, in particular the technical data, the frequency bands, spectral efficiency and the main technologies used at the physical layer
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- principles of the frequency planning for 5G networks, in particular of the radio channel models for of mobile networks, principles of calculation of radio channel and coverage, finding of trade-off between "power efficiency" and "frequency efficiency" in modern broadband access systems
- further evolution of 5G networks

### Audience:

This workshop is targeted at technical staff, engineers, senior and mid-level management staff of telecommunications service providers, telecommunication and broadcasting companies. It is also of interest to employees of Telecommunication Authorities dealing with the issues of broadband network development, audio and multimedia broadcasting.

### Trainer:

Vadim Kaptur

# AUTOMATION OF BROADBAND NETWORKS DESIGNING: Selecting the most appropriate solutions to build network

| 24 - 25 September 2020 |

**Kostanay, KAZAKHSTAN**

## ORGANISED BY



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### LANGUAGE

Russian

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### FEES

Free

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### MODE

Face-to-face (Blended)

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### DURATION

1 Day

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### REGISTRATION DEADLINE

September 24, 2020

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### COURSE CODE

XXX

This training aims to introduce participants to modern methods of telecommunication network designing and the principles of its automation. It is focused on the aspects of broadband networks designing. Automated selection of the most appropriate solutions to build network using the Broadband Calculator online tool is considered. The training will allow participants to contribute personally to the implementation and development of telecommunication networks in future.

Upon completion of this training, participants will have understanding of:

- the position of telecommunications networks designing in the entire designing process;
- modern approaches to choosing the most promising solution for building telecommunications networks;
- method of choosing the most promising solution for building broadband access networks;
- automation of choosing the most promising solution for building broadband access networks

#### Audience:

This training is targeted at technical staff, engineering staff of telecommunication providing companies, telecommunications and broadcasting companies. The training can also be of interest to employees of Telecommunication Authorities of countries dealing with the issues of broadband network development.

#### Trainer:

Vadim Kaptur

# THE USE OF ADAPTIVE TECHNOLOGIES TO TRANSMIT VIDEO OVER RADIO CHANNELS

| 5 - 6 November 2020 |

Odessa, UKRAINE

## ORGANISED BY



### LANGUAGE

Russian

### FEES

Free

### MODE

Face-to-face (Blended)

### DURATION

2 days

### REGISTRATION DEADLINE

November 5, 2020

### COURSE CODE

XXX

Upon completion of this training, participants will have understanding of:

- Methods of analyzing the impact of uneven distribution of users in the cells on the network bandwidth for reconfiguring devices in the network and increasing bandwidth in general;
- Functional model of adaptive video transmission system in radiocommunication channels;
- Technology of creation, preparation, reception / transmission of video information for civil purposes.

### Audience:

This training is targeted at designers of digital broadcasting and wireless telecommunications systems in a variety of environments.

The training will be also useful for specialists engaged in:

- provision of high-quality communication in urban terrain and high-quality color reproduction in various shooting and playback conditions
- designing antenna systems and improving them by applying adaptive technologies
- acoustic design of premises and provision of spatial sound in broadcasting systems
- introduction of new systems of visual information compression.

Also, the training may be of interest for the staff of organizations, enterprises and institutions dealing with the development of adaptive wireless communication systems, transmission of video content and information.

### Trainer:

Vladimir Pilyavsky