



**Director of Radiocommunication
Bureau (BR)**

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ALB, ARM, AUT, BIH, BUL, CYP, CZE, DNK,
EST, FIN, D, G, GEO, GRC, HNG, HOL, HRV,
I, IRL, ISL, ISR, LIE, LVA, LTU, MKD, MNE,
MLT, NOR, POL, POR, ROU, SMR, SRB,
SVK, SVN, S, TUR

Subject: **ITU/SPbPU seminar for CIS countries and Europe, to be held in St. Petersburg,
Russian Federation, 6 to 8 June 2018, “Development of modern radiocommunication
ecosystems”**

Dear Madam, Sir,

The ITU Radiocommunication Bureau and the Peter the Great St. Petersburg Polytechnic University (SPbPU) are organizing a seminar for CIS countries and Europe, to be held in St. Petersburg, Russia from 6 to 8 June 2018, on the “Development of modern radiocommunication ecosystems”.

The seminar aims to provide an overview of contemporary use of the radio spectrum and future development as well as to illustrate the socio-economic importance of these services within the context of the digital economy’s development. Experts from the industry, telecommunication operators, regulators and specialized agencies of Europe and CIS countries will meet to present and discuss their experiences in latest technologies and trends in the evolution of radiocommunication for industry, including telecommunication, transport, navigation, space, etc. Special focus will be given to future spectrum requirements to facilitate worldwide proper operation of radio systems.

Programme of the seminar: Background information and the draft programme are presented in Annexes 1 and 2 accordingly.

Website: A webpage for participants is to be found at:

<https://www.itu.int/en/ITU-R/study-groups/workshops/DMRE-CIS-Europe/Pages/default.aspx>

This website will be updated as new information becomes available.

Languages: The seminar will be conducted in Russian and English.

Point of contact on programme:

ITU	Mr. Vadim Nozdrin, Counsellor, ITU-R Study Groups Department, Radiocommunication Bureau	vadim.nozdrin@itu.int +41 22 730 6016
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Point of contact on visa support:

ITU	Ms. Vera Soloveva, ITU Area Office for CIS	vera.soloveva@itu.int +7 495 926 6070 +41 22 730 5318
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Point of contact on accommodation and logistics:

SPbPU	Ms. Alla Smirnova Head of Conventions department	expert@spbstu.ru +7 812 297 2088 +7 921 909 5284
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Registration: The Member States, ITU-R Sector Members, Associates, and Academia from Europe and the CIS countries are invited to attend this seminar. Attendance is free of charge for their representatives.

Registration for ITU-R events is mandatory and carried out exclusively online through Designated Focal Points (DFPs). Each ITU-R Member has been requested to designate a DFP responsible for the handling of all registration formalities. Individuals wishing to be registered for an ITU-R event should directly contact the DFP for their entity. The list of ITU-R DFPs (TIES protected) can be found at:

www.itu.int/en/ITU-R/information/events

I look forward to the participation and contribution of your Administration to this meeting in order to reach the most effective results.

Yours faithfully,



François Rancy

Annexes: 2

ANNEX 1

BACKGROUND PAPER

The transition to the digital economy should in the longer term provide balanced solutions to the problems of social and economic development, preserving a healthy environment and reserves of natural resources, meeting the demand for goods and services, and ultimately ensuring greater prosperity for the country's population, at a time when all material and non-material resources are limited. Management actions, both the kind based on human decision-making and those that are totally automated, will offer the most rational solutions to the problems we face at all levels, from heating private homes to preserving the ecosystem of the world's oceans.

A prerequisite for making the digital economy a practical reality is the availability of an appropriate technical platform for gathering, transmitting and exchanging various forms of information among different network elements in a way that meets very stringent requirements in terms of speed and quality of service, but also in terms of affordability and sustainability. In most cases, the only real technical option available, when deciding on an economically efficient plan to develop IT infrastructure, is to deploy radio networks. In this regard, particular requirements apply to the deployment of 5G and further generations of mobile networks. In addition, there is an increasingly acute need to develop modern satellite communication systems for use in satellite navigation, broadband mobile communications, and remote Earth sensing. Trends in technology suggest that specialized radio networks will play an even more important role in the development of the transport sectors by providing means for ensuring navigation, traffic safety, vehicle route monitoring, and rescue service communications in emergencies and disasters, which will ultimately create the conditions for the widespread introduction of unmanned vehicles in the air, at sea and on land. It is already clear that this will apply not only to specialized or military applications but also to standard cargo or passenger transportation. At the same time, we should expect to see the introduction of fully or partially autonomous machinery in agriculture and forestry.

In this regard, one of the fundamental functions of the State is to create an enabling administrative and legal framework to stimulate the development of new radio-electronic systems for various purposes. The main issue here is the use of a valuable natural resource - the radio-frequency spectrum. Finding appropriate solutions to ensure the sustained availability of frequency resources in order to develop new technologies is crucial to the growth and development of the digital economy at a time when that valuable natural resource is in short supply. The problem has to be considered holistically, taking into account the needs of all radio services and users; this will enable the national economy to move gradually towards a sustainable model of development.

ANNEX 2

DRAFT PROGRAMME

WEDNESDAY, 6 JUNE		THURSDAY, 7 JUNE		FRIDAY, 8 JUNE	
8:30-9:30	REGISTRATION	9:00-10:30	Session IV: Other terrestrial BROADBAND SYSTEMS (RLAN, PPDR, IMT backhaul, HAPS))	9:00-11:00	Session VIII: SPECTRUM ACCESS
9:30-10:00	OPENING SESSION				
10:00-10:30	Coffee break	10:30-11:00	Coffee break	11:00-11:30	Coffee break
10:30-12:30	Session I: MOBILE BROADBAND	11:00-12:30	Session V: AVIATION COMMUNICATIONS	11:30-13:00	CLOSING SESSION
12:30-14:00	Lunch	12:30-14:00	Lunch		
14:00-16:00	Session II: SATELLITE COMMUNICATIONS	14:00-15:30	Session VI: MARITIME COMMUNICATIONS		
16:00-16:30	Coffee break	15:30-16:00	Coffee break		
16:30-18:00	Session III: SATELLITE APPLICATIONS	16:00-17:30	Session VII: INTELLIGENT TRANSPORT SYSTEM		
