Report of ITU Regional Seminar on
Co-evolution of Infocommunication Technologies and Society, or
Ways to the Society without Frontiers
Saint Petersburg, Russian Federation, 5-7 June 2013

The ITU Regional Seminar on *Co-evolution of Infocommunication Technologies and Society, or Ways to the Society without Frontiers*, organized by the ITU Area Office for the CIS in cooperation with Saint Petersburg State University of Telecommunications named after Professor M.A.Bonch-Bruyevich, was held in Saint Petersburg, Russian Federation, from 5 to 7 June 2013. The Seminar was organized in accordance with Programme 2, output 3 of Hyderabad Action Plan: Cyber security and ICT applications deployment.

The Seminar was attended by delegates from **5 CIS countries** (Kyrgyzstan, Moldova, Russia, Tajikistan, and Uzbekistan). The International Telecommunication Union was represented by Mr. Andrei Untila, Programme Officer, ITU Area Office for CIS. The Seminar was attended by representatives of Communication Administrations, scientific and research institutions and universities specialized in telecommunications, as well as by representatives of the Informatization and Communications Committee of Saint Petersburg. Total number of participants made **47 persons**.

Within the framework of the Seminar, the presentations were delivered by specialists in Information and Communication Technologies from Saint Petersburg State University of Telecommunications (SPb GUT) named after Professor M.A.Bonch-Bruyevich, the Federal State Unitary Enterprise Scientific and Research Institute of Radio *Leningrad Branch of Scientific and Research Institute of Radio* (NIIR-LONIIR), Informatization and Communications Committee of Saint Petersburg, the Saint Petersburg Information and Research Centre, Institute of Telecommunications CJSC, State University of Aerospace Instrument Engineering (GUAP), Sant Petersburg Institute of Informatics and Automatization of Russian Academy of Science, Higher Management School, CJSC Institute of Telecommunications, Laboratory of Infocommunication Networks OJSC, Speech Technology Centre, Infotel OJSC, Leningrad Branch of Central Scientific

and Research Institute of Communications (LO ZNIIS), as well as of ITU Area Office for CIS and communication administrations of Kyrgyzstan, Moldova, Tajikistan, and Uzbekistan.

At the official opening, the Seminar participants were greeted by: Doctor of Science (Engineering), Professor Sergei Bachevsky, Rector of Saint Petersburg State University of Telecommunications named after Professor M.A.Bonch-Bruyevich, Mr. Andrei Untila, Programme Officer of ITU Area Office for CIS, and Mr. Roman Pankov, Deputy Chairman of Informatization and Communications Committee of Saint Petersburg**.

During the 3-day Seminar, which was divided into 5 Sessions, **26 presentations** were delivered.

Sessions 1, chaired by Mr. S.Dotsenko, Pro-rector for Scientific Work of SPb GUT, focused on analyzing processes of co-evolution of infocommunication technologies and international society.

Session 2, chaired by Doctor of Science (Engineering), Vladimir Komashinsky, Professor of Department of Working out and Transmission of Discrete Messages, SPb GUT, covered the issues of creation of knowledge infrastructure and peculiarities of development of knowledge as service application and mass knowledge networks.

Session 3, chaired by Professor N.Sokolov, Doctor of Science (Engineering), Head of Division, LO ZNIIS, was dedicated to the issues of realization of infrastructural solutions and development of knowledge as service application and mass knowledge networks.

Session 4, chaired by Mr. Andrei Untila, Programme Officer of ITU Area Office for CIS, considered the role of telecommunication networks in improvement of the international system of e-health, e-payments, and of international economy.

The summing-up Session 5 was also chaired by Mr. Andrei Untila.

In conclusion of the summing-up session, a roundtable was held under the chairmanship of Mr. Andrei Untila, which allowed to the Seminar participants to ask questions on the presentations delivered. A real discussion took place focused on the difference in definitions *information* and *knowledge.*

Upon completion of the Seminar, the host carried out a survey among the participants, which showed the topicality of the issued considered by the seminar, a high level of the event management, and interest of the participants in a more frequent holding the events of the kind.

When evaluating the presentations, most of the participants noted as the most interesting the presentations by Professor Sergei Prisyazhnyuk, Doctor of Science (Engineering), Director General of CJSC Institute of Telecommunications on *Peculiarities of Creation and Key Trends in Development of Olympic Geoinformation Knowledge Base of the city of Sochi*; by Professor Nikolay Sokolov, Doctor of Science (Engineering), Head of Division of LO ZNIIS under SPb GUT

on *Trends in Development of Access Networks: Issues of Improving Information Exchange Speed and Reliability Targets*; by Vladimir Komashinsky, Professor of Department of Processing and Transmission of Discrete Messages, SPb GUT on *Peculiarities of Creation of Cognitive Infocommunication Networks and their Role in Intellectualization of City and National Anthropogenic Infrastructures.*

The Seminar participants also expressed high opinion on presentations by Mr. Vladimir Grigoryev, Director General, Laboratory of Infocommunication Networks OJSC on *Position of Wireless Network Technologies in the System of Intellectual Management of City Traffic Flaws*, by Mr. Valentin Zhigadlo, Doctor of Science (Engineering), Deputy Director General, CJSC Institute of Telecommunications on *Network Geoinformation Technologies as a Basis for Informatization and Intellectualization of Critical City Infrastructures*, as well as by Vladimir Aksenov, postgraduate of the Department of Processing and Transmission of Discrete Messages, SPb GUT on *Technologies of Cognitive Radio Creation and their Influence on Frequency Resource Market and Quality of User Service*.

The participants also noted as interesting the presentations made by I.Gromov, Chairman, Informatization and Communications Committee of Saint Petersburg on *The Role of the Informatization and Communications Committee in the Implementation of the Programmes on Open City and Smart City*; by Alexander Paramonov, Assistant Professor, SPb GUT, on *Resource-effective Design of the City Cognitive Wireless Networks aimed at Improvement of Quality of User Service*; and by Ms. Tatyana Gavrilova, Professor, Head of Department of Information Technologies in Management, Higher School of Management on *Current Situation and Trends in Knowledge Engineering and Management*.

It should be also noted, that there was one remote presentation delivered through videoconference system by Mr. Said Modzhib Abdulkhakim Saif, Candidate of Science (Engineering) from Kazakhstan *on Peculiarities of Artificial Intelligence in Advanced Network Technologies.*

The Seminar programme also contained one social event – excursion through Saint Petersburg channels.