

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

**Draft Agenda**

**5 June 2013, Wednesday. 1<sup>st</sup> Day**

*The processes of co-evolution of infocommunication technologies and the society have been becoming more obvious in recent years. It is enough to consider such inter-dependent notions, as networks (network society, information and telecommunication infrastructures), information society, network knowledge infrastructures (knowledge society and related knowledge economy, open government, evidence-based healthcare etc.). A number of theoretical works and economical results show that the society development trend has always been and is still governed by technologies and infrastructure, which support functions of forming, spread, and management of knowledge. Therefore, the choice of strategy to form international, national, city, and corporate knowledge infrastructure is an important factor of effective development of modern society. Presently, it is important to correctly identify political, economical, social, scientific and technical and technological factors, which influence speed-up of the processes of intellectualization of information and telecommunication infrastructures.*

<b>10:00-10:30</b>	<b>Registration of participants</b>
<b>10:30—11:00</b>	<b>Opening remarks:</b> <ul style="list-style-type: none"> <li>·Professor Sergei Bachevsky, Doctor of Science (Engineering), Rector, Saint Petersburg State University of Telecommunications named after prof. M.Bonch-Bruyevich (SPb GUT):</li> <li>·Mr. Roman Pankov, Deputy Chairman of Informatization and Communications Committee of Saint Petersburg;</li> <li>·Mr. Andrei Untila, Programme Officer of ITU Area Office for CIS.</li> </ul>
<b>11:00-13:00</b>	<b>Session 1: Chairm Mr. S.Dotsenko, Pro-rector for Scientific Work of SPb GUT</b>  <i>Sessions 1 focused on analyzing processes of co-evolution of infocommunication technologies and international society.</i>
	<b><i>The Role of the Informatization and Communications Committee in the Implementation of the Programmes on Open City and Smart City</i></b> <b>I.Gromov</b> , Chairman, Informatization and Communications Committee of Saint Petersburg
	<b><i>Integrated System of Information and Analytical Provision of Activities of State Executive Bodies of St. Petersburg</i></b> <b>Y.Zakharov</b> , Professor, the Saint Petersburg Information and Research Centre, Candidate of Science (Engineering)
	<b><i>Peculiarities of Creation and Key Trends in Development of Olympic Geoinformation Knowledge Base of the city of Sochi</i></b>

	<b>Mr. Sergei Prisyazhnyuk</b> , Professor, Doctor of Science (Engineering), Director General of CJSC Institute of Telecommunications on
<b>13:00-14:00</b>	<b>Lunch</b>
	<b><i>Philosophical Aspects of Co-evolution of Information Technologies and the Society</i></b> <b>Mr. Sergei Orlov</b> , Chairman, Philosophy Department, St. Petersburg State University of Aerospace Instrument Engineering, Doctor of Philosophy, professor
	<b><i>Contemporary Views on Forming of the Russian National Knowledge Infrastructure</i></b> <b>Mr. Vladimir Komashinsky</b> , Professor, Department of Processing and Disposal of Discrete Messages, SPbGUT, Doctor of Science (Engineering) <b>Mr. Alexei Mitrofanov</b> , Chairman, State Duma Committee on Information Policy, Information Technologies, and Communications
	<b><i>Trends in Development and Practical Use of Knowledge Base of SPbGUT</i></b> <b>Mr. Anton Zarubin</b> , Pro-rector for Informatization, SPbGUT, Candidate of Science (Engineering) , Assistant Professor
	<b><i>Knowledge Logistics: Methodology and Applications</i></b> <b>Mr. Alexei Smirnov</b> , Deputy Director for Scientific Work, St. Petersburg Institute of Informatics and Automatization of the Russian Academy of Science, Professor, Doctor of Science (Engineering); <b>Mr. Nikolay Shilov</b> , Senior Research Associate, St. Petersburg Institute of Informatics and Automatization of the Russian Academy of Science, Candidate of Science (Engineering), Assistant Professor
<b>15:30-16:00</b>	<b>Coffee break</b>
	<b><i>The Role of Knowledge Infrastructures in Creation of Knowledge-based Economy</i></b> <b>Mr. Vladimir Makarov</b> , Chairman, Department of Economics and Communications Management, International Academy of Communications, Doctor of Science (Economy), professor, academician <b>Ms. Tatyana Blatova</b> , Head of Tech Park, LO ZNIIS
	<b><i>Input Method of Calculation of Payments for Radiofrequency Resource Use in the Conditions of Transition to Dynamic Spectrum Management Technologies</i></b> <b>Mr. Viktor Kotov</b> , Professor, SPb GUT, Candidate of Science (Engineering)
	<b><i>Domain Model of Infocommunications – Methodology Basis for Description of Processes of Information Interaction in Cognitive Systems</i></b> <b>Mr. Alexander Sotnikov</b> , Professor, SPbGUT, Doctor of Science (Engineering)

### 6 June 2013, Thursday. 2<sup>nd</sup> Day

<b>10:00–11:30</b>	<b>Session 2: Chairman Mr. Vladimir Komashinsky</b> , Professor, Department of Processing and Disposal of Discrete Messages, SPbGUT, Doctor of Science (Engineering)  <i>Session 2 focused on the issues of building of knowledge infrastructure and specifics of creation of applications ‘knowledge as service’ and mass knowledge networks.</i>
	<b><i>Specifics of building of Cognitive Infocommunication Systems and their Role in Intellectualization of City and National Anthropogenic Infrastructures</i></b> <b>Mr. Naum Marder</b> , Vice-President, Rostelecom OJSC, Doctor of Science (Engineering), Professor <b>Mr. Vladimir Komashinsky</b> , professor, Department of Processing and Disposal of Discrete Messages, SPbGUT, Doctor of Science (Engineering)

	<p><b><i>Current Situation and Trends in Knowledge Engineering and Management</i></b>  <b>Ms. Tatyana Gavrilova</b>, Professor, Head of Department of Information Technologies in Management, Higher School of Management</p>
	<p><b><i>Virtual Worlds of the Information Age</i></b>  <b>Mr. Mikhail Igantsev</b>, Professor, Director, International Institute of Cybernetics and Arthonic, Doctor of Science (Engineering)</p>
<b>11:30-12:00</b>	<b>Coffee break</b>
	<p><b><i>Network Geoinformational Technologies as a Bases for Informatization and Intellectualization of Critical City Infrastructure</i></b>  <b>Mr. Valentin Zhigadlo</b>, Deputy Director General, Institute of Telecommunications CJSC, Doctor of Science (Engineering)</p>
	<p><b><i>Position of Wireless Network Technologies in the System of Intellectual Management of City Traffic Flaws</i></b>  <b>Mr. Vladimir Grigoryev</b>, Director General, Laboratory of Infocommunication Networks OJSC  <b>Mr. Igor Khvorov</b>, Deputy Director General, Laboratory of Infocommunication Networks LLC</p>
	<p><b><i>Intellectual Vocal Technologies – Human Approach to Education within the framework of Global Knowledge Infrastructure</i></b>  <b>Ms. Yulia Khitrova</b>, Director, Centre of Vocal Technologies LLC</p>
<b>13:00–14:00</b>	<b>Lunch</b>
<b>14.00 – 15.30</b>	<p><b>Session 3: Chairman Mr. Nikolay Sokolov</b>, Professor, SPbGUT, Head of Division, Central Scientific and Research Institute of Communications Leningrad Branch (LOZNIIS), Doctor of Science (Engineering)</p> <p>Session 3 focused on the issues of practical realization of infrastructural decisions and elaboration of applications “knowledge as service” and mass knowledge networks.</p>
	<p><b><i>Processes of Joint Functioning of Telecommunication Networks and Information Systems in the Modern Rescue Service</i></b>  <b>A.Levakov</b>, Deputy to Engineering Director for Exploitation, Centre Macroregional Branch, Rostelecom OJSC, Candidate of Science (Engineering);  <b>N.Sokolov</b>, Professor, SPbGUT, Head of Division, Central Scientific and Research Institute of Communications Leningrad Branch (LOZNIIS), Doctor of Science (Engineering)</p>
	<p><b><i>Geoinformation Knowledge Bases as a Basis for Automated Planning of Advanced Cognitive Networks of Mobile and Fixed Radio Communication</i></b>  <b>Mr. Valery Stepanets</b>, Director General, Infotel OJSC;  <b>Mr. Sergei Odoevsky</b>, Director for Scientific and Methodic Provision, Infotel OJSC</p>
<b>15.30 – 16.00</b>	<b>Coffee break</b>
	<p><b><i>Resource-effective Design of the City Cognitive Wireless Networks aimed at Improvement of Quality of User Service</i></b>  <b>Mr. Alexander Paramonov</b>, Assistant Professor, SPb GUT</p>

**7 June 2013, Friday. 3<sup>rd</sup> Day**

<b>10:00 – 11:30</b>	<p><b>Session 5: Chairman Mr. Andrei Untila</b>, Programme Officer, ITU Area Office for the CIS  <i>Decisions of ITU global conferences are very important both for the states and private investors when taking decisions regarding investments in different projects in the field of information and telecommunications systems and networks. During the final day of the Seminar,</i></p>
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	<i>representatives of scientific and research organizations and companies will made presentations on the role of telecommunication networks in improving international system of e-health, e-payments, and international economy.</i>
	<b><i>Trends in the Development of Access Networks: Aspects of Increase of Speed of Exchange of Information and Reliability Measure</i></b> Mr. Nikolay Sokolov, Professor, SPbGUT, Head of Division, LOZNIIS, Doctor of Science (Engineering)
	<b><i>National Wireless Infocommunication Infrastructure and its Role in Creation and Further Development of Russian Information Society</i></b> Mr. Dmitry Smirnov, Engineering Director, St. Petersburg Branch, MTC OJSC
<b>11:30–12:00</b>	<b>Coffee break</b>
<b>12:00-13:00</b>	<b><i>Shortwave Radio Communication in National and Global Information Infrastructure of 21<sup>st</sup> Century</i></b> Mr. Nikolay Chistyakov, Head, Scientific and Research Division, RIMR OJSC, Candidate of Science, Assistant Professor
	<b><i>Peculiarities of Artificial Intelligence in Advanced Network Technologies</i></b> Mr. Said Modzhib Abdulkhakim Saif, Candidate of Science (Engineering), Republic of Kazakhstan
	<b><i>Technologies of Building of Cognitive Radio and their Influence on Frequency Resource Market and Quality of Services Provided to the Subscribers</i></b> Mr. Vladimir Aksenov, Post Graduate, Department of Processing and Disposal of Discrete Messages, SPbGUT
<b>13:00–14:00</b>	<b>Lunch</b>
<b>14.00 – 15.00</b>	<b><i>Session 5: Chairman Mr. Andrei Untila, Programme Officer, ITU Area Office for the CIS</i></b> <i>The Summing-up session of the Seminar</i>
	<b><i>Technologies of Building of Systems of Management of National Network Knowledge Infrastructures</i></b> Mr. Sergei Ageyev, Head of Division, LO ZNIIS, Candidate of Science, Assistant Professor
	<b><i>ITU Activities in the CIS Region. ITU Area Office for the CIS</i></b> Mr. Andrei Untila, Programme Officer, ITU Area Office for the CIS
<b>16.30-17.00</b>	<b>Summing up roundtable: Chairman Mr. Andrei Untila, Programme Officer, ITU Area Office for the CIS</b>