

ANNOUNCEMENT

for XIII International Exhibition and Scientific Congress "Interexpo GEO-Siberia 2017" events

TOPICS AND PRESENTATIONS OF THE PLENARY SESSION "OPEN-SOURCE GEOSPATIAL SOLUTIONS FOR PUBLIC BENEFITS"

Top best practices used for efficient organization and operation of national geodetic surveying organizations

A. Karpik, I. Musikhin, Siberian State University of Geosystems and Technologies, Novosibirsk

Present state and prospects for development of the Russian geodetic support system

G. Pobedinsky, I. Stolyarov Federal Research and Development Centre for Geodesy, Cartography and Spatial Data Infrastructure, Moscow

Current state and future for the development of satellite geodetic networks in Russia and their integration into the ITRF

A. Karpik, L. Lipatnikov, Siberian State University of Geosystems and Technologies, Novosibirsk

G. Steblou, Schmidt Institute of Physics of the Earth of the Russian Academy of Sciences, Moscow

V. Dvorkin, Joint Stock Company "Russian Space Systems", Moscow

V. Vdovin, Federal State Unitary Enterprise "Central Research Institute of Machine Building" (TsNIIMash), Korolyov

S. Sorokin, Industrial Geodetic Systems R&D, Omsk

Problems of normative and technical support when creating remote sensing spatial data

N. Babashkin, S. Kadnichansky, S. Nekhin, L. Yablonsky, Federal Research and Development Centre for Geodesy, Cartography and Spatial Data Infrastructure, Moscow

Role of the World Geodetic System in sustainable development

A. Karpik, V. Obidenko, Siberian State University of Geosystems and Technologies, Novosibirsk

Spatial data and national security. Current tools and solutions for geospatial intelligence

E. Levin, Michigan Tech University, Houghton, USA

Role of geospatial information in the establishment of the Unified State Register of real estate

Y. Fedorenko, JSC "East Siberian Aero-geodetic Enterprise", Irkutsk

Satellite technologies as a backbone factor for training specialists in the field of remote sensing

M. Sergeeva, Engineering and Technical Centre SCANEX Ltd, Moscow

Chronicle photography "Country's map makers"

A. Alyabyev, JSC "Ural-Siberian Geo-Information Company", Ekaterinburg

SMART CITY

<p>SMART CITY AND INTERNET OF THINGS International conference</p>	<p>In the context of national technology initiative the development of smart technologies has become a priority-setting activity in the Russian digital economy. The conference is intended to become a venue for discussion on the role of geoinformatics in the development of new technologies and rising markets. During the conference "smart city" innovation solutions in the field of power, transport, logistics, health care and safety will be introduced. The event will gather specialists from IT-business, industries, public corporations, government officials, and representatives of professional associations, potential customers and consumers of smart technologies.</p>
<p>SMART-GEO International conference</p>	<p>The primary objective of the conference is a comprehensive discussion and demonstration of innovation opportunities of "smart" spatial solutions, related to the technologies of virtual and augmented reality, multi-agent systems and web applications.</p>
<p>GEOSPATIAL INDUSTRY AND FUTURE TECHNOLOGIES Roundtable</p>	<p>The participants will exchange opinions and discuss a number of questions related to the application of smart technologies that provide functional completeness and quality of spatial products and services.</p>

<p>AUGMENTED REALITY FOR VISUALIZATION OF ENGINEERING OBJECTS AND FACILITIES Master class</p>	<p>Within the master class a team of SSUGT's specialists will present its participants technologies of augmented reality, reviewing examples of 3D visualization of engineering objects.</p>
<p>HI-TECH PRODUCTS: WAYS OF COMMERTIALISATION Master class</p>	<p>Commercialization of hi-tech products is the key factor of any start-up company. Within the master class a FRII tracker will share his experience and knowledges concerning efficient market promotion technologies and advanced business models.</p>
<p>BUILDING INFORMATION MODELLING (BIM) FOR DESIGN, CONSTRUCTION, ARCHITECTURE, ROADS AND RAILWAYS Conference</p>	<p>BIM is a relatively new approach to not only design, modelling, construction, operation, and maintenance of engineering objects but management of their life cycle, economic components, and man-made environment. During the conference it is intended to discuss implementation of BIM into specialists' daily practice in order to carry out efficient information modelling and design of engineering objects at all stages of their life cycle.</p>

AERONET

<p>NATIONAL TECHNOLOGY INITIATIVE AERONET: GROWTH POINTS Presentation and discussion platform</p>	<p>The agenda of the presentation and demonstration platform covers analytics on current and rising opportunities of UAS; concept of an AeroNet road-map presentation developed for Novosibirsk Region; discussions on rule-making, components of branch coordination, and development of the competitive potential. Representatives of system customers will state their opinion on the most promising applications of Unmanned Aircraft Systems.</p>
<p>AGRICULTURAL APPLICATIONS OF UNMANNED AIRCRAFT SYSTEMS Roundtable</p>	<p>Topics set up for discussion during this meeting of the roundtable are conceptual issues of unmanned aircraft systems (UAS) application and AeroNet market development. The participants of the roundtable will be introduced to current accomplishments and key results of the National Technology Initiative.</p>
<p>HOW TO BUILD A QUADCOPTER: DESIGN BASES Master class</p>	<p>Step by step instruction for building a quadcopter, from the very idea to the ready-to-fly model, will be demonstrated to the participants of the master class by the specialists of the Siberian State University of Geosystems and Technologies.</p>
<p>DRONE SHOW Outdoor flight zone</p>	<p>For three days of the congress different types of UAV, from multi-copters to fixed-wing aircraft, will be demonstrated at the exhibition outdoor flight zone. Here the audience will have the opportunity to address their questions to the developers and professional drone users.</p>

<p>SCIENCE. DEFENSE. SAFETY. - 2017 All-Russian conference</p>	<p>The topics of the conference will cover to the issues of modern defence industry and information security.</p>
<p>CURRENT CALLS FOR COMPREHENSIVE INFORMATION SECURITY Roundtable</p>	<p>At the roundtable the participants will focus on the discussion of principles and mechanisms providing both safety control of important information objects and danger level determination within the "Safe City" system.</p>
<p>ADVANCED APPROACHES AND TECHNIQUES IN TARGET TRAINING Roundtable</p>	<p>The roundtable is dedicated to the discussion of long-term outlooks and a set of problems to be solved while organizing the employer-university collaboration aimed at the development and implementation of an efficient multilevel system of training.</p>
<p>ARMS AND WEAPON SYSTEMS. AVIATION, MISSILE AND SPACE EQUIPMENT</p>	<p>The field meeting of educational and methodical association will consider a number of questions on engineer training for the mili-</p>

Field meeting of educational and methodical association	tary-industrial complex.
EARLY WARNING AND CRISES MANAGEMENT IN THE BIG DATA ERA International conference	In the context of a Big Data 3V approach the participants of the conference will focus on current trends and core concepts of crisis management, efficient monitoring, prevention and mitigation of the consequences of natural and man-made emergency situations.
COST EFFECTIVE POSITIONING AND GEO DATA International seminar	The seminar is jointly organized under auspices of FIG Commissions 3 and 5. Within the seminar the participants will make an attempt to shape a vision for the future of cost-effective positioning technologies.
CADASTRE AND REAL ESTATE RIGHTS REGISTRATION SYSTEM: INTERACTION OF ROSREESTR, EXECUTIVE AUTHORITIES AND PROFESSIONAL INTERMEDIARIES OF THE REAL ESTATE MARKET Roundtable	It is intended to discuss, exchange the experience and vision on the current interaction among Rosreestr, public and executive authorities, self-regulatory organizations of cadastral engineers, and other professional intermediaries of the real estate market when using the Cadastre And Real Estate Rights Registration System in the context of new changes to the legislative act 218 of the Russian Federation.
ADVANCED EDUCATIONAL TECHNOLOGIES: PROMOTION OF INTERNATIONAL COLLABORATIVE EDUCATION PROGRAMS International seminar	The seminar is organized under auspices of ISPRS WG III/7 and V/2. It is intended to promote exchange of university teachers' experience and research results in the field of promotion of innovative educational technologies and university multi-level integration aimed at the development and implementation of joint bachelor and master degree programs.
CHANGE DETECTION OF LAND USE AND LAND COVER FOR UPDATING SPATIAL DATA BASES International session	The session is a joint event of ISPRS WG III/7 and SSUGT where the overview of advanced solutions for detection of land use land-cover changes will be presented by researchers and specialists to all interested parties involved in the process of spatial data bases operation, management, and updating.
MINING AND GEOLOGY: USE OF GIS FOR THE DEVELOPMENT OF MINERALS DEPOSITS Roundtable	It is intended to exchange current and innovation experience in the field of geoinformation support of geological exploration and development of mineral deposits. The key objective of the roundtable is to elaborate criterion of efficient mechanisms for territory management.
SUSTAINABLE DEVELOPMENT OF TERRITORIES: LAND AND PROPERTY RELATIONS UNDER NEW CHANGES TO THE LEGISLATIVE ACTS OF THE RUSSIAN FEDERATION Roundtable	The participants of the roundtable will focus their attention on the improvement of capacity and efficiency of cooperation and information interaction among executive public authorities in regard to real estate relations.
SPECIAL NEEDS CARTOGRAPHY FOR VISUALLY IMPAIRED PEOPLE Roundtable	Topics of the roundtable are focused on the issues concerning availability of information resources, development and promotion of national cartographic products designed for visually impaired people.
YOUTH. SCIENCE. TECHNOLOGIES. International student conference sections of Optical technologies and Photonics IT technologies Engineering and Robototechnics	International youth conference continues the tradition of holding regular meetings where conference participants are able to submit the results of their R&D activities in the field of optical instrument-making.
FIRST STEPS IN SCIENCE Master student scientific session	The objectives of the session are enhancing of master students' R&D activities, and full disclosure of their creative abilities by in-

	volving them into active public presentation of the results of master dissertations.
TEACHING ASTRONOMY IN THE CONTEXT OF ADVANCED EDUCATIONAL TECHNOLOGIES AND INNOVATIVE RESOURCES Roundtable	Within the framework of the roundtable it is intended to discuss issues concerning the revival of astronomical education in the country, taking into account current achievements in astronomy and pedagogy, as well as new opportunities brought by advanced educational technologies and innovative resources
TRANSFORMATIONS IN THE EXISTING REAL ESTATE CADASTRE Foresight-session	In the course of the foresight-session it is intended to discuss new approaches and positive transformations in the existing real estate cadastre; develop practical offers on standard and legal regulation; exchange of the experience in the field of cadastral services and business development.
STRATEGY FORMATION AND PROMOTION OF CADASTRAL SERVICES Business game	The business game offers the participants training and development of their skills in decision making, strategy formation and promotion of cadastral services in the set conditions. The teams of participants will be put into simulated business situations with a set of given rules, technical specifications and restrictions. Within the business game the participants will be introduced to the laws of the market: formation and determination of cost for cadastral services, supply and demand, activity results prediction, promotion of cadastral services in the real estate markets, etc.
STAFFING OF ECONOMIC REINDUSTRIALIZATION: MODERNIZATION OF SECONDARY PROFESSIONAL EDUCATION Roundtable	Within the framework of the roundtable it is intended to discuss issues connected with modernization of secondary professional education in the context of implementation of new approaches in staff training for solving high priority tasks on regional economic reindustrialization.
CURRENT ISSUES IN REGIONAL ENVIRONMENTAL MANAGEMENT Roundtable	Within the framework of the roundtable it is intended to draw attention of professionals and general public to the topical and problematic issues in the area of regional ecology and possible ways of their solution that will enable the authorities to improve the state of ecological safety in the region.