



**International Exhibition Centre  
“ITE SIBERIAN FAIR”**

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**Organizers:**

**International Exhibition Centre  
“ITE SIBERIAN FAIR”**

**SIBERIAN STATE ACADEMY OF GEODESY (SSGA)**

**The Sixth international exhibition and scientific congress “GEO-SIBERIA” were held on the International Exhibition Centre “ITE Siberian Fair” on April 27 - 29, 2010 simultaneously with specialized exhibitions “SIBERIA OIL AND GAS, SIBMINING”.**

The diversity of topics and wide geography of participants once again confirmed the high level of “GEO-SIBERIA” forum as one of leading events in geo-industry.

**Opening ceremony**

The participants and guests were welcomed on the official ceremony by: **Vasily A. Yurchenko**, First Deputy Governor of Novosibirsk Region; **Valery L. Popov**, Deputy Presidential Plenipotentiary Envoy to the Siberian Federal District; Mrs. **Gudrun Steinacker**, Consul General of the Federal Republic of Germany in Novosibirsk; Dipl.-Ing. **Christof Rek**, DVW Vice President; Prof. Dr. **Ammatzia Peled**, ISPRS Second Vice President; Prof. Dr. **Milan Konecny**, Immediate Past President of International Cartographic Association (ICA), Vice President of International Society for Digital Earth (ISDE); Mr. **Michael Mudra**, Vice President of EMEA, “Leica Geosystems AG”, general sponsor; Prof. Dr. **Vasily A. Malinnikov**, Rector of Moscow State University of Geodesy and Cartography (MIIGAiK); and Prof. Dr. **Alexander P. Karpik**, Rector of Siberian State Academy of Geodesy (SSGA).

Prof. Dr.-Ing. **Armin Gruen**, President of ISPRS White Elephant Club, was invited to ring the bell and to open the exhibition.

Speakers have expressed their thanks to organizers for a great contribution to the development of international geodetic community’s activity and wished success and fruitful work to exhibitors and participants. **Vasily A. Yurchenko** has emphasized the popularity and the significance of the forum for business communities: *“I am sure, the activity at conference and exhibit booths will allow participants to take great advantage for business development”*. **V.L. Popov** emphasized the actuality of the forum on a national scale: *“This event is being held within the current country modernization, implementation of innovations, and attracting investments declared by the President of the Russian Federation”*.

**Forum exposition**

**More than 100 companies from different cities of the Russian Federation, as well as near and far abroad countries – the USA, Switzerland, France, Germany, China, Ukraine, Kazakhstan, and Belarus, etc. participated in the exhibition.**

The forum exposition has been arranged according to the specialized exhibitions “GEO-SIBERIA”, “SIBERIA OIL and GAS, SIBMINING”. The exhibitors presented their advanced equipment, technologies, as well as integrated software, most of which were presented for the first time in our

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country. Thus, a wide range of professionals from all the world had an opportunity to exchange knowledge, experiences and to acquaint with engineering and techniques required for practical purposes.

**“Leica Geosystems AG”** company (**Switzerland**) was the general sponsor of exhibition for the sixth time. Traditionally, Leica Geosystems AG represents its products on **“GEO-SIBERIA”** and takes an active part in a forum. Professionals could acquaint with its advanced developments using for geodetic problem solution related to spatial data acquisition, processing and representation. A wide range of instruments and technologies represented by the company can be used in geodesy, photogrammetry, cadastre and land management, GIS designing, construction, natural-technogenic object monitoring, highway engineering, and metrology. For the first time beyond the Urals there was presented a new line of satellite equipment and software using together as an advanced system for integrated solutions in geodesy.

The participants of specialized exhibition **“GEO-SIBERIA”** presented a wide range of products to be used in geo-industry: the equipment for natural ecosystem condition monitoring, engineering surveys, as well technologies for geodata acquisition. The equipment and services for geodesy, geology, geophysics, and cadastre have been presented and offered by the following companies: Trimble (USA), “Geostrojizyskaniya” (Moscow), “Navgeocon” (Moscow), the exhibition’s sponsors, South Surveying and Mapping Instrument (China), VADIS CJSC (Moscow), “Geopolygon” (Moscow), “Inter-Geo” (Ekaterinburg), “Uraltechnologii” (Ekaterinburg), “Prin” (Moscow), the Russian Institute of Radionavigation and Time (St. Petersburg), “Neva technology” (St. Petersburg), etc. The surveying equipment “Nikon” was exhibited by “Inter-Geo” and “Metrika” companies (official distributors of “Nikon” company) which combined their efforts and presented a revolutionary for Russia system - the newest total stations Nikon Nivo and GPS Spectra Precision Epoch 10, 25, 35. Companies “Ashtech” (France), “Intergraph” (Sweden), “CHC” (China), “Data+” (Moscow), “Geocad” (Novosibirsk), “Sovzond” (Moscow), “KB Panorama” (Moscow), “Rakurs” (Moscow), “Geo-Alliance” (Moscow), etc. exhibited automated systems for data acquisition and processing, GIS technologies, satellite equipment, and software products.

The **Siberian State Academy of Geodesy**, one of the forum’s organizers, has traditionally presented an extensive exposition. At their stand were demonstrated advanced technologies and own developments that can be used for implementation of GIS technologies’ new methods of land inventory automation and information management for geomonitoring of large industrial facilities; various cartographic products with objects included, their characteristics and description, and those of produced by 3D modelling technology. V.A. Seredovich, SSGA Vice Rector for Innovative Activities, called the academy as “event’s heart” because SSGA actively used its resources at all levels of forum organization. An active part in exhibition took higher educational and research institutions: the Moscow State University of Geodesy and Cartography (MIIGAiK), the Siberian Branch of the Russian Academy of Sciences (SB RAS) and others.

The specialized exhibitions **“SIBERIA OIL and GAS, SIBMINING”** were represented by the following companies: “BW Technologies by HoneyWell” (England) which is a leader in the gas detection industry; “HoneyWell Analytics” (Switzerland) exhibited a wide range of devices for toxic and explosive gas hazard protection; “San Bao Corporation” (China) engaged in development of low-temperature boring apparatus; NDT-TD (Moscow), a group of industrial manufacturers, produces the industrial diagnostic equipment; “Metso Mining and Construction Technology” (St.-Petersburg), the manufacturer of a wide range of crushing and screening, feeding, grinding and separation equipment for mining; “Azovmash” (Ukraine) presented tank-containers for transportation of liquefied gases, liquid and solidifying chemical products and mining equipment; Bobruisk Machine Building Plant (Belarus) manufacturing centrifugal pumps (ISO 9001-2009, ISO 14001-2005) for oil refining, petrochemical and mining; Kamyshinski Opytny Zavod (pilot plant) exhibited the bulk-oil equipment; other companies presented oil-and-gas, mining and field equipment, drilling, pump and automotive equipment, and towers.

## **Business program**

The forum **“GEO-SIBERIA”** has proved itself not only as an exposition platform, but as the event offered the extensive scientific and business program to participants and visitors. The scientific congress

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**“GEO-SIBERIA”** unified professionals from Australia, Hungary, Germany, Denmark, Israel, Kazakhstan, China, Mongolia, Russia, the USA, Czech Republic, Sweden, Switzerland, Japan, and became a disputing platform for surveying, mining and geological communities on the international level. Leaders of administration bodies, representatives of public and private companies, higher educational institutions, colleges, professionals and scientists, as well as students and PhD students from universities of Novosibirsk, Tomsk, and Barnaul have shared in the congress. Foreign participants were presented by the well-known scientists, rectors of higher schools, and representatives of large companies.

In total, more than **1500** participants from **200** organizations, **30** cities of Russia and foreign countries took part in the scientific congress, workshops and round-table discussions.

**ISPRS White Elephants Club Session** was one of the significant events during the forum. Professionals from Germany, Japan, Switzerland and China gave lectures to PhD students, candidates for a Master's degree and young scientists.

Workshops, round-table discussions and plenary sessions held within the scientific and business program of “GEO-SIBERIA” have become a good platform for professionals from a geo-industry to exchange their experience and directed to a system decision-making on further developments in geodesy, mining and geology.

The workshop **“Early Warning and Crises/Disaster and Emergency Management”** was held on April 27-28 and organized by the International Cartographic Association (ICA), the International Society for Digital Earth (ISDE) and the Siberian State Academy of Geodesy (SSGA). It has become one of the central events of the congress. Professionals and scientists from Russia, Germany, Israel, Singapore, Czech Republic, and Japan made their presentations on the workshop. They covered a wide range of issues on the most effective monitoring techniques and early warning of emergency situations, as well as state-of-the-art developments in management, tracking of dynamics, crisis response and further damage assessment caused by the activation of hazardous natural and technogenic processes.

Prof. Dr. **Milan Konecny**, Vice President of ISDE (Czech Republic), has highlighted in his presentation the regional aspects of action programs for early warning and crises management. The same problems were considered by **A. A. Yevsyukov, V.V. Nichepurenko, A.A. Markov** (Institute of Computational Modelling SB RAS, Krasnoyarsk) in their report “Use of On-line Geomodelling Means for Emergency Monitoring in the Siberian Federal Area”. **S.V. Serebryakov, V.V. Gusev, Yu.A. Zraenko** (“Uralgeoinform”, Federal State Unitary Enterprise, Yekaterinburg) told about their experience in creating a geoinformation system for emergency management in Sverdlovsk Region. **Nikolai I. Stefanenko** (JSC RusHydro’s Sayano-Shushenskaya HPP named after PS Neporozhniy, Sayanogorsk) presented a paper “The Assessment of Sayano-Shushenskaya HPP Arch-Gravity Dam after the Accident on August 17, 2009”. **V.A. Seredovich** (Vice Rector for Innovative Activities, SSGA) highlighted highly significant problem on the creation of hazardous facilities 3D safety data sheets.

Within the international workshop on **“Micro Process Engineering and Nanotechnology Applications”** organized by the Institute for Micro Process Engineering (IMVT), Karlsruhe Institute of Technology (Germany), Kutateladze Institute of Thermophysics SB RAS and the Siberian State Academy of Geodesy (SSGA) much attention has been given to present-day micro process engineering and nanotechnology applications, microstructure device design, optical and laser nanotechnologies, as well as the aspects of their application in industry.

Current issues in real property asset market, town-planning activity, the state of the art and development trends of high-precision global navigation satellite system (GLONASS/GPS), technologies for spatial data gathering, GIS optimization, new technologies for exploration and prospecting of mineral resources, subsurface management, mining, and problems resulting from target optimization control, innovative developments, economic and investment aspects of surveying, mining and geological industries both in Russia and throughout the world were discussed at **“round tables”**.

The round table **“Development and Implementation Issues of High Precision Navigation Satellite Systems GLONASS/GPS”** has attracted considerable attention of congress participants: professionals and scientists discussed further evolution and effective utilization of global navigation satellite system GLONASS/GPS; geodetic network structure designing integrated into a unified high-precision coordinate system using the potential of existing geodetic networks with regard to current demands of economy. **A.P. Karpik**, SSGA Rector, has told about the importance of GLONASS ground-based infrastructure project implementation on the territory of Novosibirsk Region, unique decisions on geodetic control point establishment and their referencing worked out by SSGA, and Leica Geosystems AG hardware and software applications. The Russian Institute of Radionavigation and Time (St.-Petersburg) presented their new development – a two-frequency GLONASS/GPS receiver that can be used for precision coordinate supply to urban services or transport, energy, building, surveying companies and various emergency services, etc.

The round table **“Organizational and Legal Changes in the Practice of Russian Property Market Functioning”** participated by the representatives of “Rosreestr” (Federal Service for State Registration, Cadastre and Cartography) and Administration of Novosibirsk Region was devoted to the following problems: a role of cadastral engineers in official real estate registration, personnel retraining, hardware, software and dataware for cadastral works, and others.

Of great interest was the report **“Organization of Work in “Single Window System”** given by **Roman Urnyshev**, Director of the Multifunctional Center for the Organization of Providing State and Municipal Services in the Novosibirsk Region (MFC), the largest MFC in Russia. He defined a project goal as follows: “To make all the forms of state and municipal services more accessible to citizens and to increase their quality”. He emphasized that “owing to team work of MFC operators and staff members of “Rosreestr” (the Federal Service of State Registration, Cadastre and Cartography), the volume of property right registration cases has considerably grown; we succeeded in consolidating together twenty government agencies and organizations of federal, regional, municipal agencies rendering the most demanded services on: registration of deeds, civil status authorization, etc. There are about 130 various state services.” He designated the lack of engineering capabilities (networks, communication channels and underdeveloped system electronic digital signature) for information exchange as the main problem being an obstacle to system management.

**D.N. Betoshkin**, head of the Department on Formation, Inventory and Maintenance of Cadastre and Property Appraisal at the Federal Real Estate Cadastre Agency (Rosnedvizhimost) for Novosibirsk Region, answered the audience questions on land legislation practice, preparation of deeds for state cadastral registration, special procedural and legal aspects of state land title registration.

The exhibition and the congress **“GEO-SIBERIA. SIBERIA OIL AND GAS, SIBMINING - 2010”** were finished by congratulations of the best winners according to the results of “The Gold Medal of ITE Siberian Fair” Contest.

*Additional information: [www.geo-siberia.ru](http://www.geo-siberia.ru)*