

## The 7<sup>TH</sup> International satellite navigation Forum

### April, 24-25, 2013, Moscow, Expocentre Fairgrounds

**The 7th International satellite navigation Forum** is the central event of the year in the field of the social and commercial use of satellite navigation technologies and, first of all, the GLONASS Russian satellite navigation system.

**The main purpose of the Forum** is to inform the wide Russian and foreign audience on the state and development plans of satellite-based navigation systems, the national policy in the use of the GLONASS system in Russia, innovative technologies, the newest satellite navigation equipment and services, the international experience in the use of navigation systems, the development of single international standards in the field of satellite navigation.

**The Forum Participants** will receive detailed information on the legal aspects of use of satellite navigation, will get acquainted with the navigation and navigation-and-communication equipment of leading Russian and foreign manufacturers existing in the market, with various industrial applications and the experience of in practical use of navigation technologies by leading companies including the business cases of use of satellite navigation from Russian business representatives. The breakout sessions and round tables will present the most relevant information about the developed products, urgent problems in the field of navigation, cartography, normative legal regulation; the participants will be able to express their offers for creation of favorable conditions for effective introduction of innovative technologies and share experience.

Over 100 speakers from Russia, CIS and non-CIS countries, representatives of ministries and departments, private companies, foreign and international organizations will take part in the Forum.

**The program of the Forum 2013** covers all the directions of using satellite-based navigation systems in the economy of Russia. Some topics deal with the fundamentals of satellite navigation, the principles of the construction and operation of the GPS and GLONASS global satellite systems, regional satellite navigation systems and with the issues of enhancing the efficiency of their use, which will be interesting both for the experts working in this area and for the wide audience of the visitors interested in navigation subjects.

**The official event website:** [www.navigation-forum.ru](http://www.navigation-forum.ru)

## Target audience of the 7<sup>TH</sup> International satellite navigation Forum

- State agencies and bodies
- Regional, municipal and district Administrations
- Municipal housing and utilities services
- Emergency rescue teams
- Transport complex of Russian federation
- Space and aircraft industries
- Road-building and maintenance organization
- Scientific research and design organizations, working in the field of transport
- Developers and manufacturers of subscriber equipment and system applications
- Car transport vehicles
- Retail networks, big private owners of vehicle fleets
- Logistics and forwarding companies
- Mobile operators
- Content-providers
- Providers of security search systems

# Agenda of the 7<sup>TH</sup> International satellite navigation Forum

## Plenary session

**The national policy in the field of the use of navigation technologies**

## Sections

### **Information-navigation services for the mass market**

- State and prospects of the LBS/LBA services market in Russia and abroad
- Systems of travel monitoring and control
- Systems of safety
- Systems of passenger informing
- Systems of information support to drivers
- Tourist information-navigation systems
- Information-entertainment systems

### **Navigation systems and equipment for the mass market**

- Navigation software
- Cartography
- Car navigators
- Tourist navigation equipment
- Embedded (in-dash) navigation systems

### **Navigation technologies in passenger transport**

- Transport dispatching systems
- Road traffic control and management systems and travel priority systems for passenger transport
- Navigation-information support for transport-transfer hubs
- Ensuring of passenger transport safety
- Passenger informing systems

#### **Navigation services for small and middle business**

- Systems for taxi companies
- Logistic systems
- Possibilities of mass navigation systems for commercial transport monitoring
- Personnel movement monitoring systems

#### **Methods and systems of precise positioning for different industries of the economy**

#### **Regional and departmental navigation-information systems for transport management. Control and management systems for commercial transport**

#### **Navigation equipment, OEM modules and an electronic component base**

#### **Theoretical fundamentals of satellite navigation and its practical use**

- Principles of positioning through satellite navigation systems signals
- General description of satellite navigation systems
- Methods of positioning precision enhancement
- Transport monitoring and management systems
- General principles of the building of terminal navigation equipment and its functioning
- Educational programs in the field of satellite navigation

## Press-release of The 6TH International satellite navigation Forum

The VI International Satellite Navigation Forum together with the exhibition “Navitech-2012” in the framework of the single congress-exhibition project “Navigation Systems, Technologies and Services 2012” has taken place in Moscow.

The members of the Government of the Russian Federation, representatives of 450 manufacturers of navigation equipment, heads of large international companies from 16 countries of the world, including the USA, India, China, the CIS-countries, etc., have taken part in the Forum. Total number of the attendees has reached 1300 person. The event was solemnly opened by the vice-president of the Government of the Russian Federation Vladislav Surkov. In his welcome address he said that the Government of the Russian Federation was interested in the development of navigation-and-information systems and was ready to support their commercialization. “Last year 117 billion rubles were invested in the projects based on satellite technologies. By 2020 this figure will increase up to 300 billion”, – Vladislav Surkov specified.

Also the Chairman of the Board of OJSC “NIS” Yevgeny Primakov, the Head of the Federal Space Agency Vladimir Popovkin, and also the Head of the Permanent Mission of the European Space Agency in the Russian Federation Rene Pishel, made their welcome addresses.

In the framework of the plenary session there were the reports of Russian and foreign experts:

**Grigory Stupak** – Deputy General Director-General Designer, OJSC “Russian Space Systems”

**Aleksandr Gurko** – General Director, OJSC “NIS”

**Aleksander Kasyanov** – Head of the Federal Service for Transport Supervision

**Yevgeny Shmelyov** – Vice-President of Technical Development, OJSC “AVTOVAZ”

**Raymond Clore** – Senior Adviser on GNSS, US Department of State

**Chen Hiangdong** – Chief Engineer, the China National Administration of GNSS and Applications

**Satoshi Fudzhivara** – Chief Coordinator of the Central Establishment on Space Policy, the Office of the Cabinet of Ministers, the Government of Japan

**Palacal Radzhan Sazish** – Director, ATIC Data Systems, Private Limited, India

**Frank Pauli** – Vice-President of Global Product Management, NOKIA

**Andrey Kupriyanov** – Executive Director, the Association “GLONASS/GNSS-Forum”.

Within 2 days of the Forum there were a plenary session, 5 round tables and 7 sections for professionals, presentations of the participants of the Skolkovo innovative center, a ceremony of awarding the annual prize of the Association “GLONASS/GNSS-Forum” in the field of navigation “For the contribution to the creation and development of the GLONASS system”.

In the framework of the Forum the Federal Network Operator of OJSC “NIS” signed official cooperation agreements with 12 partners that had been determined during the second stage of the competitive procedures. The subject of the agreements was the introduction of satellite navigation technologies with the use of GLONASS into the regions of the Russian Federations, the improvement of the quality of services in the sphere of navigation activity for consumers, the creation of the single navigation-and-information space. The General Director of OJSC “NIS” Aleksandr Gurko also commented that “NIS GLONASS” intended to invest 1.2 billion rubles in the development of navigation-and-information systems of the regions of the Russian Federation.

The round tables were devoted to the themes: “Cartographical support for navigation-and-information systems”, “Navigation-and-information systems in transport: global primitive or complex technological systems?”, “Navigation-and-information services in the car: determining the future”, “State regulation in the navigation area: for or against?”, “Insurance telematics. The development prospects in the Russian market”.

The International Forum gives an opportunity to companies-manufacturers of telematic equipment to present their products and to protect the projects of new services. The participants and visitors said that the Forum had been held in a new format. From a professionals-oriented forum it had turned to an event focused on the mass consumer. The accent was put on an opportunity of the practical application of solutions on the basis of satellite navigation. At the stands the participants presented the last hi-tech products on the basis of the GLONASS/GPS technologies.

“NIS GLONASS” with the strategic partner Shturmann showed a series of the products oriented to the pedestrian and the motorist. The service of the navigation equipment of the company makes it possible to locate the user and, according to this, to offer necessary services. At the joint stand of the companies the project of the audioguide CitySurf intended for visitors of the capital, and in the future – for visitors of any megacity was step-by-step shown. The system will have been available in a test mode since June, 2012.

The participants of the Forum specified the main tendencies of the development of satellite technologies for 2012:

- ▶ Large state projects for the introduction of navigation technologies: “ERA GLONASS”, NG911, eCall, SIMRAV, EDR and others
- ▶ The concept “Connected Car”
- ▶ The use of navigation technologies to modernize the transport infrastructure and transport safety: ITS, dispatching systems, road tolling, tachographs

- ▶ Multi-systemacy of the navigating equipment
- ▶ The formation of ecosystems around of companies and technologies,
- ▶ Cloud calculation: infrastructure leasing (IaaS), platforms (PaaS), solutions (SaaS).

The results of the Forum will allow manufacturers of telematic equipment to develop new innovative projects, to implement programs on the basis of navigation-and-information technologies in the interests of social-and-economic development of regions of the Russian Federations and for the popularization of the GLONASS technologies among the population.

During the event there was a sms-voting concerning navigation-information technologies. We give your attention the statistics of answers.

*Is it necessary to accelerate the rates of the development of the Russian navigation market?*



*Should the state accelerate the implementation of large navigation projects in motor transport ("ERA-GLONASS", systems of road tolling for large cargo transport, digital tachograph, etc.)?*



*Is the integration of different systems (federal, regional and departmental) to create the single navigation-and-information space reasonable?*



*Is there demand for navigation-and-information services in the mass market today, is there a need for the creation of new products?*



*Is there a necessity of the state support for the export of the Russian navigation technologies?*



The VI International Satellite Navigation Forum took place owing to sponsor, information and expert support of our partners:

Strategic partner: OJSC "Navigation-and-information systems"  
General partner: OJSC "Russian Space Systems"  
Strategic sponsor: "Content Master"  
Strategic expert partner: Group of companies "M2M telematics"  
Official sponsor: NOKIA  
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Expert partners: GPS Club, GIS-Association, NP "ITS-Russia"  
General information partner: VGRTK Information Channel RUSSIA  
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General Internet-partner: the Business portal BFM.ru  
General media-partner: GOSMEDIA  
Official information partner: "Bulletin of GLONASS".

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