



DEVELOPMENT TRENDS IN TRANSPORT SYSTEMS

Moscow State University of Railway Engineering (MIIT) hosted on September, 26–27, 2016 International scientific & practical conference «Development Trends in Transport Systems».

The conference, held exactly during the days of celebration of the 120th anniversary of the founding of the university, was devoted to consideration of complex issues and identification of innovative trends that are common to all modes of transport.

Rector of the university Prof. Boris A. Lievin, speaking at the opening plenary session on September, 26, welcomed the conference participants on behalf of the Organizing Committee and highlighted the main objectives and topics of the conference.

The detailed presentations that characterize the most urgent issues of transport sector development were presented by State Secretary – Deputy Minister of Transport of Russian Federation Sergey A. Aristov, First Vice-President of JSC Russian Railways Alexander S. Misharin, Director General of the International Union of Railways (UIC) Jean-Pierre Loubinoux, deputy chairman of the Organization for Cooperation of Railways Committee Victor P. Zhukov, General Secretary of the Coordinating Council on Trans-Siberian Transportation Gennady I. Bessonov, Vice President of the Russian Academy of Sciences Vladimir V. Ivanov, general director of PJSC TransContainer Petr V. Baskakov, president of the Union of Railway Constructors Gennady N. Talashkin, president of the company «Siemens» in Russia Dr. Dietrich Moeller, president of the Higher School of Augsburg – University of Applied Sciences Dr. Hans-Eberhardt Schurk, the rector of the T. Kableshkov Higher Transport School Dr. Peter Kolev.

J.-P. Loubinoux and G. N. Talashkin signed a memorandum of cooperation between the UIC and the Union of Railway Constructors.

During the conference the work of 3 panel discussions, 14 round tables was organized, while in the framework of 8 roundtables 20 specialized sections were functioning.

The agenda of the conference included integrated topics of sustainable development, environment, mobility, innovation and new transport and intelligent systems, transport safety and security, staffing and development of young talents of the transport industry, logistics, efficient use of resources and customer focus.

Panel discussions on «The role of transport in sustainable development», «Cross-cultural and socio-economic dimension of the Trans-Siberian mainline and Eurasian transport corridors», «High-speed mainline: a global perspective and new technologies» have become effective platforms for the discussion. A substantial contribution to the productivity of the discussions has been made by numerous domestic and international experts, including those from France, Germany, China, Kazakhstan, Bulgaria and other countries.

Numerous round tables were devoted to system issues:

- Development of equipment and technology of road sector and road transport;
- Customer focus and equal access to transport services (including issues of development prospects of passenger complex and transport services quality management);
- Innovation in transport and the main directions of research and interaction of science and business (including generation and transfer of scientific knowledge, organization of inter-transport scientific research, new vehicles, innovations in transportation process and operation of infrastructure, welding technology);
- Lean production and efficient use of resources, «green» future of transport (including new environmental technologies);
- Mobility of people and business, accessible transport environment;
- Transport safety and security (including transport safety issues in the field of rail transport and transport medicine);
- Logistics and transport intermodality (including issues of crisis management of transport and logistics systems and the creation of high-efficient shipment technologies and development of freight forwarding and logistics activities);
- Intelligent transport systems and digital technologies (including information and satellite technologies of rail transport);
- Recruitment and training of personnel for the transport sector (including the coordination of training of personnel in transport higher educational institutions in the areas of interaction between modes of transport, development of distance education, youth policy, practice-focused education);
- Breakthrough technologies of construction and maintenance of transport infrastructure (including design, construction and operation of the track, transport industrial and civil structures, features of operation of transport infrastructure and equipment in extreme climatic conditions);
- Economic and non-economic transport effects;
- Transport law as a tool for sustainable development;
- Internationalization prospects for transport education in modern conditions;
- Urban transport systems and urban rail transport.

In total, the conference was attended by over 1 200 people.

The topics of discussion have attracted the attention of broad scientific and business circles, more than 200 organizations were presented, including ministries and federal agencies, RAS institutes, more than 100 Russian and foreign companies, about 60 universities, more than 50 scientific and consulting organizations, associations, non-governmental organizations. The conference was highlighted by more than 20 representatives of the media.

The second conference will take place at MIIT in October 2017.

