

Fair Business Program

Venue: VNIIZhT JSC Test Loop, Moscow, Scherbinka, Butovsky Tupik, 1

"Railway Engineering Technologies that Shape the Future"

August 28-30, 2019

DAY 1. WEDNESDAY, AUGUST 28

HALL 1 – Experience and Training Exhibition Centre (DOVC), Plenary Hall

HALL 1 – DOVC, Plenary Hall

10:00 – 11:30

Opening Plenary Session

Digital Transformation and Future Technologies in the Railway Industry

- How will the digital revolution transform the railway industry in the near future?
- How to digitalize the railway industry?
- What existing and promising technologies will determine the development of the railway?

Opening ceremony:

Maxim Akimov, Deputy Prime Minister of the Russian Federation

Andreas Reichhardt, Federal Minister, Ministry for Transport, Innovation and Technology Republic of Austria

Moderator:

Sergey Malozemov, author and presenter of programs, NTV

Speakers:

Oleg Belozеров, General Director – Chairman of the Board, JSC “Russian Railways”

Vladimir Tokarev, Deputy Minister of Transport of the Russian Federation

François Davenne, Director General, UIC

Kirill Lipa, CEO, Transmashholding

Sabrina Soussan, CEO, Siemens Mobility GmbH



	<p>Henri Poupart-Lafarge, Chairman of the Board of Directors and CEO, Alstom Group Victor Lesh, CEO, Sinara - Transport Machines</p> <p>First row experts: Igor Zhuk, Senior Vice President, Russian Export Center Batyr Kotyrev, Managing Director - Chief Engineer, National Company Kazakhstan Temir Zholy</p>
HALL 1 – DOVC, Plenary Hall	<p>11:30 – 12:00 Agreement Signing Ceremony</p>
HALL 1 – DOVC, Plenary Hall *access for all participants of the Fair	<p>14:30 – 14:45 Award Ceremony for the Winners of Competitions (Innovation Development Center, Technical Audit Center of JSC “RZD”)</p> <p>Awards: Sergey Kobzev, Deputy Managing Director-Chief engineer, Russian Railways</p>
HALL 1 – DOVC, Plenary Hall	<p>15:00 - 16:15 Strategic Session Railway Machinery: Rolling Stock of the Future</p> <ul style="list-style-type: none">• Rolling stock development strategy, based on 2025 Long-Term Development Program for Russian Railways• How does digitalization affect the railway industry?• How can export potential be taken into account in the development of new rolling stock?• What will be the rolling stock of the future?• Where do the new production standards lead?• How do modern technologies change transit flows? <p>Moderator: Marianna Ozherelieva, hostess, RZD-TV</p>



	<p><u>Speakers:</u> Sergey Kobzev, Deputy Managing Director-Chief engineer, Russian Railways Alexander Ermonsky, Deputy General Director for Technical Development, Transmashholding Philippe Citroen, Director General, European Rail Industry Association (UNIFE) Igor Zhuk, Senior Vice President, Russian Export Center Sergey Suchkov, Global account manager RZD, Siemens Mobility Anna Orlova, Deputy CEO, Strategy and Product in United Wagon Company, Executive Director at VNICTT</p> <p><u>First row experts:</u> Anton Zubikhin, General Director, Trading House STM, Vice President and Member of the Supervisory Board of Association of Railway Equipment Manufacturers</p>
<p>HALL 1 – DOVC, Plenary Hall</p> <p>*access for all participants of the Fair</p>	<p><u>16:30 – 16:45</u> Award ceremony for the winners of competitions of Non-Profit Partnership “Association of Railway Equipment Manufacturers”</p> <p><u>Awards:</u> Valentin Gapanovich, President, Non-Profit Partnership “Association of Railway Equipment Manufacturers”</p>
<p>HALL 1 – DOVC, Plenary Hall</p>	<p><u>17:15 – 18:30 Case Show</u> Digital Transformation Strategies: Transportation Ecosystems</p> <ul style="list-style-type: none"> • Digital Platforms and Services as the Base of Transportation Ecosystems • Data for Digital Transformation • RZD Blockchain Platform. The Start. • Segmentation of a Railway Scene for Traffic Control • HR Service Portal <p><u>Moderator:</u></p>



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	<p>Vadim Pokotilo, Partner, McKinsey and Company in Moscow</p> <p>Speakers: Evgeny Charkin, Information Technology Director, Russian Railways Oleg Kharin, Technological Information Systems Center Director, VNIIZhT Alexey Grigoryev, R&D Center Technical Director, OCRV Yuriy Minkin, Head of Unmanned Vehicle Development Department, Cognitive Technologies Roman Kravtsov, CEO, TTK Evgeny Braulov, Deputy Head of HRM Department – Head of Information and Analytical Support for Personnel Management, Russian Railways</p> <p>First Row Expert: Valery Veremeev, First Deputy General Director, Federal Passenger Company Timur Berda, General Director, Unitera Labs</p>
HALL 2 – Pavilion 5	
HALL 2 – Pavilion 5	<p>15:00 - 16:15 Round Table Smart City Railway. Digital Technologies for Agglomeration Transport</p> <ul style="list-style-type: none">• Urbi et orbi: the role of railway transport in agglomeration of cities• Digital technologies for passenger transportation services• Transportation planning systems• Future development of agglomeration transport through digitalization <p>Moderator: Aleksey Romanenko, Partner, KPMG Russia & CIS</p> <p>Speakers:</p>



	<p>Andrey Vasiliev, Commercial Director for Urban Transport Development, Transmashholding</p> <p>Yasunari Nakajima, Director of Paris Office, East Japan Railway Company</p> <p>Johannes Emmelheinz, CEO, Customer Service, Siemens Mobility GmbH</p> <p>Dmitry Bolotsky, First Deputy General Director, Lokotech-Signal (Group of Companies Ctrl2GO)</p> <p>Vladimir Kosoy, President, Center for the Infrastructure Economy</p>
<p>HALL 2 – Pavilion 5</p>	<p><u>17:15 – 18:30 Round Table</u></p> <p>Track Bed: Infrastructure Technologies</p> <ul style="list-style-type: none">• Experience in Implementing Track Repairs on Digital Technology• Use of High-Speed Grinding, Face Grinding and Milling Technologies to Extend the Service Life of Rails• Projects of International Innovative Development for Jointless Ways Together with VNIIZhT <p><u>Moderator:</u></p> <p>Dmitry Burkov, Chief Engineer, Track and Structure Department, Central Directorate Infrastructure, Russian Railways</p> <p><u>Speakers:</u></p> <p>Alexander Adadurov, Deputy General Director, VNIIZhT</p> <p>Oleg Krasnov, Head of Testing Laboratory of Track and Special Rolling Stock Department, VNIKTI</p> <p>Igor Mikhalkin, General Director, INFOTRANS</p> <p>Vladimir Trofimenko, General Director, Mankiewicz Representative Office</p> <p>Tom Vit, Managing Partner, Vitgrit</p> <p><u>First Row Expert:</u></p> <p>Vadim Kungurtsev, Deputy Director of Branch, VNIIZhT</p>



HALL 3 – Administration building, 3rd floor

**HALL 3 – Administration
building, 3rd floor**

15:00 - 16:15 Round Table

**Synergy of Partnership Programs of Big Companies and
NTI Competence Centers**

(jointly with JSC "RZD" Innovative Development Center,
Rostec, Rosatom, Rosnano, Polytech)

- Generating programs of cooperation with key RZD partners
- Promising areas of interaction
- Partnership program challenges
- Ways and tools to improve the effectiveness of cooperation

Moderator:

Alexander Zazhigalkin, Head of Innovative Development Center, Russian Railways

Speakers:

Sergei Demidov, Adviser to Industrial Director of Radio-Electronic Complex, Rostec

Vladimir Aronchik, Director of Development Programs, Development & International Business Block, Rosatom SC

Sergey Dubyansky, Investment Director, RUSNANO Management Company

Alexander Gorovoy, Deputy Director of the Civil Products Development Department, Concern VKO "Almaz-Antey"

Andrey Tarshin, Deputy Head for Partnership Development, NTI SPbPU Center Directorate

Vladimir Trofimenko, CEO, Mankiewicz Gebr. & Co. in Russia and the CIS countries

**HALL 3 – Administration
building, 3rd floor**

17:15 - 18:30 Round Table

**To Develop and Implement. Strategy of Support for Startup
Projects for the Railway Industry**

(jointly with JSC "RZD" Innovative Development Center)



	<ul style="list-style-type: none">• New supporting mechanisms for innovations in JSC "RZD"• Developing the network of regional innovative sites of JSC "RZD"• Practice of implementation of startup projects with innovative solutions in JSC "RZD"• Creating the first corporate acceleration program in JSC "RZD" <p><u>Moderator:</u> Alexander Zazhigalkin, Head of Innovative Development Center, Russian Railways</p> <p><u>Speakers:</u> Denis Shikunov, Deputy CEO for Economics and Finance, VNIIZhT Dmitry Kalayev, Director, IIDF Accelerator</p> <p>SIBUR INNOPRAKTIKA Representatives of functional divisions of railways (pilot regional innovative sites), Russian Railways Representatives of functional divisions of the headquarters, Russian Railways</p>
HALL 4 – Corporate University, 4th floor	
HALL 4 – Corporate University, 4th floor	<p><u>15:00 - 16:00 Public Talk</u> Artificial Intelligence and Other Technologies in Railway Industry Development. Trends and Outlooks</p> <p><u>Moderator:</u> Sebastian Stern, Senior Partner, Head of Railway Industry Practice, McKinsey and Company Hamburg</p> <p><u>Speakers:</u></p>



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	<p>François Davenne, Director General, UIC Alexey Fedoseev, Head of Customer Services, Siemens Mobility Russia Evgeny Charkin, Information Technology Director, Russian Railways Denis Kasimov, Chairman of board of directors, Clover Group (Ctrl2GO Group)</p>
<p>HALL 4 – Corporate University, 4th floor</p>	<p>17:15 – 18:30 Round Table Trains for Passengers: Technologies of Comfort and Safety</p> <ul style="list-style-type: none">• Competition for the Passenger over Long Distances: Expectations of Comfort and Safety. The Look of the Carrier• 'Railcar 2019', 'Railcar 2020', 'Railcar 2023' concept: from present to future• How to get European quality with Russian components?• What digital solutions determine new standards of service?• What control and safety systems work for the product quality? <p>Moderator: Pavel Ivankin, Chairman of the Expert Council, Railway Transport Research Institute</p> <p>Speakers: Alexey Zhigunov, First Deputy General Director, Federal Passenger Company Alexander Loshmanov, Deputy CEO for Passenger Transport Development, Transmashholding Dmitry Kuznetsov, Head of Rolling Stock Siemens Mobility in Russia Vitaly Breckson, Deputy General Director for Technology Politics, Ural Locomotives</p>
<p>DAY 2. THURSDAY, AUGUST 29</p>	



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HALL 1 – DOVC, Plenary hall	
HALL 1 – DOVC, Plenary hall	<p><u>10:00 – 11:45 Presentations</u> "Austrian Technology Day"</p> <p>Presentations of Austrian representatives of railway technology companies</p> <p><u>Key note speakers:</u> Oleg Belozarov, General Director – Chairman of the Board, JSC "Russian Railways" Andreas Reichhardt, Federal Minister, Ministry for Transport, Innovation and Technology Republic of Austria Andreas Matthä, CEO, ÖBB-Holding AG Vladimir Artyakov, Vice CEO Rostekh, Co-chairman of Russian-Austrian CC</p> <p><u>Presentations:</u> Hubert Jeneral, CEO, PPV GmbH Thomas Kargl, Member of the board, Rail Cargo Austria AG Michele Molinari, CEO, Molinari Rail GmbH Shukhrat Tashpulotov, Head of Business Development for Russia and CIS, Frequentis AG Peter Flicker, International Sales Manager Russia and CIS, Plasser & Theurer Hans-Jürgen Ohler, International Senior Sales Manager, Linsinger Olegas Niaksu, Head of eHealth, AME International GmbH Jan Luksch, Managing Director, NordiTube Technologies SE Klaus Otzelberger, International Sales Manager, Klenk & Meder Harald Hopfgartner, Director of Sales & Marketing, Nextsense GmbH Jan Harder, Member of the Supervisory Board, RSRS Railway Infrastructure Projects Uwe Günther, Managing Director, Frauscher Sensor Technologies Aleksander Yakimenko, International Sales Manager Russia and CIS, Autolift GmbH</p>



	<p>Reinhard Jäger, Head of Project Engineering HVAC/CS, Kiepe Electric Ges.m.b.H. Nikolai De Arnoldi, Partner, Eurovio</p>
HALL 1 – DOVC, Plenary Hall	<p><u>12:00 – 13:15 Round Table</u> Marketing and Sales of Rolling Stock: Machinery for Export</p> <ul style="list-style-type: none"> • Prospects for Development of New Export Markets: Growth Points • Development of Systemic Export Support Measures • Best Practices for Developing New Markets: Analysis and Prospects • Strategy for Work in Export Markets: Experience of Russian Manufacturers • Demand Meets Supply: Expectations of a Foreign Customer <p><u>Moderator:</u> Anton Zubikhin, General Director, STM Trading House</p> <p><u>Speakers:</u> Alexander Misharin, First Deputy Managing Director, Russian Railways Maxim Kobin, Managing Director for Client Work, EXIAR Ivan Loparev, Director for Export Projects, United Wagon Company Thibault Desteract, Chief Development Officer, TMH International Andrey Bardizh, Deputy General Director for Export Sales, STM Trading House</p>
HALL 1 – DOVC, Plenary Hall	<p><u>15:00 – 16:15 Round Table</u> Import Substitution in IT: from Strategy to Integration</p> <ul style="list-style-type: none"> • How to Organize Process of Import Substitution of IT Equipment and Software? • What are the Main Obstacles Faced by Companies in the Process of Import Substitution? • What are the Successful Import Substitution Cases? <p><u>Moderator:</u></p>



	<p>Dmitry Chernov, Deputy General Director for Digital Transformation, Central Research Institute for Machine Building (TsNIIImash)</p> <p>Speakers: Evgeny Charkin, Information Technology Director, Russian Railways Andrei Kozyrev, First Deputy Director of Design and Technology Bureau for Informatization Systems - Digital Technology Center, branch of Russian Railways Ilya Kholkin, Deputy Director of Information Technology Department, Rosatom Alexey Shelobkov, Managing Director, Partner, YADRO Arseny Brykin, Public Relations Director, Roselektronika Ivan Panchenko, Deputy General Director and Co-Founder, Postgres Professional</p> <p>First Row Experts: Timur Berda, General Director, Unitera Labs Leonid Roslyakov, Commercial Representative, Postgres Professional</p>
<p>HALL 1 – DOVC, Plenary Hall</p>	<p><u>16:45 – 18:00 Round Table</u> Innovative Freight Wagons</p> <ul style="list-style-type: none">• Comparative economic analysis of a typical wagon and a wagon with increased axial load• Multi-axle freight wagons - know-how to increase transport efficiency• Wagons with a body made of aluminum alloys• Operation of new generation wagons and maintenance costs <p>Moderator: Mikhail Burmistrov, General Director, Infoline Analytics</p> <p>Speakers: Sergey Kaletin, CEO of SG-Trans, VP & Member of Supervisory Committee for Freight Rolling Stock of Association of Railway Equipment Manufacturers Nina Borisenko, Marketing Director, United Wagon Company</p>



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	<p>Andrey Abakumov, Director of Civil Products Development Department, UralVagonZavod</p> <p>Irina Chiganashkina, Director for Technical Development, RM Rail</p> <p>Denis Ilatovsky, Deputy General Director - Director for Logistics, SUEK</p> <p>Dmitry Losev, Deputy General Director for Technical Development, Vostok1520</p> <p>Sergey Goncharov, Deputy General Director for Technical Development, Chief Engineer, First Cargo Company</p> <p>First Row Expert:</p> <p>Sergey Gorsky, General Director, TEXOL GROUP</p> <p>Anatoly Tokarev, Director of Technical Services, Eurosib SPb-TS</p> <p>Anastasia Khalilova, Head of Railway Directorate, GTLK</p> <p>Artur Nurmukhamedov, General Director, ABC Rail</p>
HALL 2 – Pavilion 5	
HALL 2 – Pavilion 5	<p>10:00 – 11:15 Panel Discussion</p> <p>Digital Railway Traffic Interval Control Technologies (jointly with NIIAS)</p> <ul style="list-style-type: none">• International development trends referring to Railway Traffic Interval Control System• Scientific and technical development programs referring to Railway Traffic Interval Control System• Prospective development areas of Railway Traffic Interval Control System• Virtual coupling - new approaches to interval control• Prospective digital radio standards• Distributed acoustic sounding technology• New projects of Railway Traffic Interval Control System with the use of satellite-based positioning technologies• UIC project "SECRET" to ensure protection of Railway Traffic Interval Control System against electromagnetic attacks



	<p><u>Moderator:</u> Efim Rosenberg, First Deputy General Director, NIIAS</p> <p><u>Speakers:</u> Sergey Fursov, Head of Directorate for Microprocessor Railroad Automation and Telemechanic Management Systems, ELTEZA Elena Shukhina, Head of Scientific and Technical Complex, NIIAS Pavel Popov, Head of the Center for Management and Traffic Safety Systems, NIIAS JSC, Technical Director for the Development of Unmanned Trains, Russian Railways Boris Bezrodny, Deputy Head of Center for Cybersecurity, NIIAS Gokhan Bayhan, General Manager – Russia/CIS, Europe, M.East and N. Africa, Wabtec Corporation Yuri Smagin, Head of Mobility Management, Siemens Mobility Russia Andrey Romanchikov, General Director, LocoTech-Signal Roman Murzin, Deputy General Director, VNIIZhT Dmitry Cherkasov, Head of Division, LocoTech-Signal Vadim Lyanoy, Member of Board of Directors, Promelectronics</p> <p><u>First Row Expert:</u> Francis Bedel, Chief Digital Officer, UIC Alexander Pronkin, Chief Expert, Department of Central Heating and Power Engineering, Russian Railways Mikhail Mekhedov, Acting Director, Digital Models of Transportation and Energy Saving Technologies Center, VNIIZhT Valentin Gapanovich, President, Association of Railway Equipment Manufacturers</p>
<p>HALL 2 – Pavilion 5</p> <p>*access for all participants of the Fair</p>	<p><u>11:45 – 14:00 Panel Discussion</u> Trends in the Innovative Development of Traffic Safety Control Systems and Services (jointly with Traffic Safety department of JSC "RZD")</p> <p>Rail transport safety control system</p> <ul style="list-style-type: none"> Defining requirements for traffic safety control systems



- Modern trends in the design of management systems in the transport services market
- Approaches to the effective management of investments in traffic safety

Digital transformation and its services in traffic safety

- Implementation of the "Traffic Safety" information space in railway transport
- Implementation of the "Risk and safety management in railway transport, development of its components and ensuring process interaction" digital platform
- Implementation of projects to control the life cycle of parts and rolling stock using the blockchain technology

Technical regulation system in the field of railway transport

- Safety requirements for products in accordance with the technical regulations of the Customs Union
- Certification and declaration of conformity of railway products as a mandatory procedure for confirmation of conformity before releasing into circulation

Moderator:

Evgenii Bogdanov, partner Automotive and Transportation, Travel & Infrastructure Practices in Russia and CIS, A.T. Kearney

Keynote speakers:

Shevket Shaidullin, Deputy Managing Director, Head of Traffic Safety, Russian Railways

Alexey Zamyshlyayev, Deputy General Director, NIIAS

Dmitri Bystritsky, Head of the Analysis and Statistics Department of the Department of Informatization, Russian Railways

Artur Akopyan, Deputy Head of the Department of Technical Policy - Head of Quality Management, Russian Railways

Speakers:



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	<p>Valentin Gapanovich, President, Association of Railway Equipment Manufacturers Alexey Druzhinin, Executive Director, SRO Union of Railway Transport Operators Viktor Gulin, deputy head of the Federal Service for the Supervision of Transport Nikolai Nikiforov, Chairman, Russian Trade Union of Railway Workers and Transport Builders Oleg Karasev, Deputy Vice-Principal, MSU</p>
HALL 2 – Pavilion 5	<p><u>15:00 – 16:15 Panel Discussion</u> Industrial Locomotives: Use or Decommission</p> <ul style="list-style-type: none">• Requirements of TR TS 003/2011: one year through• New marshalling traction technologies: what does an operator need?• Servicing of the fleet: economics and outlooks• Operational leasing and outsourcing of traction: what is the benefit for client? <p><u>Moderator:</u> Yuri Saakyan, Managing Director, Institute of Natural Monopolies Research, Vice President and Member of the Supervisory Board of Association of Railway Equipment Manufacturers</p> <p><u>Speakers:</u> Yuri Sunyaev, CEO, Locotech Leasing Alexander Manyakhin, Executive Director, SRO Association Promzheldortrans Denis Ilatovsky, Deputy General Director - Director for Logistics, SUEK Igor Seleznev, Deputy CEO, Ctrl2GO</p> <p><u>First row experts:</u> Roman Ivanov, Deputy Leader of the Work Group for New Industrial Locomotive Concept Development, Russian Steel Association</p>



	<p>Mikhail Boyko, Head of the Department for Work with Government Agencies, Sinara - Transport Machines Andrey Zarucheysky, Head of Traction Rolling Stock Department, VNIIZhT</p>
HALL 2 – Pavilion 5	<p>16:45 – 18:00 Round Table</p> <p>Lifecycle Contract. New Interaction Standards</p> <ul style="list-style-type: none">• What are prospective solutions for repair optimization within LCC?• Modern equipment for overhaul and maintenance of track equipment and locomotives• Technologies for remote condition assessment of locomotives and predictive maintenance• How to reduce the life cycle cost of a locomotive by improving its energy performance?• Warranty and post-warranty maintenance for new locomotive models• How to cater to the interests of all parties for effective interaction within LCC?• Lifecycle cost management for the entire period of use <p><u>Moderator:</u> Vadim Pokotilo, Partner, McKinsey and Company in Moscow</p> <p><u>Speakers:</u> Oleg Valinsky, Deputy Managing Director - Head of the Traction Directorate, Russian Railways Valentin Gapanovich, President, Association of Railway Equipment Manufacturers Alexander Semenov, CEO, Research Institute of Technology, Control and Diagnostics of Railway Transport Ruslan Beglov, Managing Director for Strategy, LokoTech</p> <p><u>First row experts:</u> Alexander Chebakov, First Deputy CEO for Commercial Activities, Transmashholding Vladislav Fedotov, Chief engineer, “RK “Novotrans”</p>



HALL 3 – Administration building, 3rd floor	
HALL 3 – Administration building, 3rd floor *access for all participants of the Fair	<u>10:00 - 12:00 Round Table</u> Evolution of ISO/TS 22163 (IRIS) in Russia: Results and Outlooks (jointly with Technical Audit Center, JSC "RZD") <ul style="list-style-type: none">• Results of implementation of ISO/TS 22163 (IRIS) standard in Russia. Review of the results of implementation of the standard in 2009-2018, development prospects up to 2025• Requirements of system integrators for product quality. ISO/TS 22163 (IRIS) industry standard certification - an element of supplier development• Results of the work of ISO/TC 269 WG5 and the IRQB Quality Council in preparation for the transition to ISO 22163• Practical experience in IRIS certification of industrial enterprises <u>Moderator:</u> Oleg Senkovsky , First Deputy Head of the Technical Audit Center of Russian Railways, Vice-President of the Association of Railway Equipment Manufacturers <u>Speakers:</u> Bernard Kaufmann , Coordinator, International Rail Quality Board (IRQB) Philippe Citroen , Director General, European Rail Industry Association (UNIFE) Stefan Siegler , Vice President Business Excellence and Quality Management, Siemens Mobility GmbH Ekaterina Bochkareva , Lead Auditor, Certification Association "Russian Register" Mikhail Zalunaev , CEO, DQS Russian branch Reinhard Otto , Quality Manager Swiss Railway Passenger Division, member of IRQB, SBB CFF FFS



	<p>Marijke Vandenberghe, Supplier Development Manager, SNCB Belgium</p> <p>Oleg Spai, Chairman of the Managing Board and CEO, Ural Locomotives</p> <p>Marcus Kleinheid, Vice President for Quality, Health, Safety, Environment, Knorr-Bremse GmbH</p> <p>Vladimir Shmatchenko, Associate professor of Electrical Communication department, PGUPS</p> <p>Evgeny Belinsky, Head of Quality and Operating Reliability Analysis Department, Transmashholding</p>
<p>HALL 4 – Corporate University, 4th floor</p>	
<p>HALL 4 – Corporate University, 4th floor</p>	<p><u>10:00 - 11:15 Round Table</u> Container Terminal Upgrade</p> <p><u>Moderator:</u> Alexey Bezborodov, General Director, Infranews</p> <p><u>Speakers:</u> Petr Ayrapetov, Acting Deputy Head of Central Directorate for Management of Terminal and Warehouse Complex – branch of RZD Andrey Tonkikh, First Deputy CEO, RZD Logistics Alberto Grisone, Director Development Russia, CIS Countries and Middle East of Hupac Intermodal Ltd Alla Postnikova, Commercial Department Director Novosibirsk Terminal of Eurosis SPb-TS Evgeny Bogdanov, Director, Head of Transport Practice, Russia & CIS, A.T. Kearney Representatives of Freight Village, TransContainer, UTLC</p>
<p>HALL 4 – Corporate University, 4th floor</p>	<p><u>11:45 - 13:00 Round Table</u> Attention! The Robot Works. Solutions for Railway Industry</p> <ul style="list-style-type: none"> • What are the prospects of robotics in the railway industry in Russia and worldwide?



	<ul style="list-style-type: none"> • Robotrends in operations: infrastructure monitoring, repair and maintenance • How does digitalization affect rolling stock production results and performance? • 3D technologies of the future in railway engineering • How to make a robot that changes together with technologies? <p><u>Moderator:</u> Alexander Dolgiy, Deputy Director General, NIIAS</p> <p><u>Speakers:</u> Evgeny Dudorov, Executive Director, NPO Android Technology Pavel Popov, Head of the Center for Management and Traffic Safety Systems, NIIAS JSC, Technical Director for the Development of Unmanned Trains, Russian Railways Dmitry Kapishnikov, General Director, KUKA Russia Alexander Talanov, Deputy General Director 2050.digital (GC Ctrl2GO) Salimzhan Gafurov, researcher of Robotics Development Center, Innopolis University</p> <p><u>First row expert:</u> Alexander Perevyazkin, Deputy Head of Department of the Research analytical center, VNIIZHT Alexander Sivakov, Deputy Chief Engineer Infrastructure Central Directorate - branch of Russian Railways Anatoly Lokhach, Head of the Department of Information and Analytical Systems, TVEMA</p>
<p>HALL 4 – Corporate University, 4th floor</p>	<p><u>15:00 – 16:15 Round Table</u> Digital Railway. Unmanned Locomotive Control Technologies (jointly with NIIAS)</p>



- International trends in the development of unmanned control systems
- Scientific and technical programs in the area of development
- Machine vision
- Infrastructure for unmanned traffic
- Regulatory, legal and technical framework for the implementation of innovative technologies of intelligent unmanned systems in railway transport
- New projects of unmanned control systems in railway transport

Moderator:

Pavel Popov, Head of the Center for Management and Traffic Safety Systems, NIIAS JSC, Technical Director for the Development of Unmanned Trains, Russian Railways

Speakers:

Vladimir Andreev, Head of the Technical Policy Department, Russian Railways

Anne Rolland, Director for Russian Markets & Head of International Synergies – Corporate International Direction of SNCF Group

Michael Obermann, Vice President, Siemens Mobility GmbH

Yury Minkin, Head of Unmanned Vehicle Development Department, Cognitive Technologies

Igor Seleznev, Deputy CEO, Ctrl2GO

Anton Potapov, Chief Technology Officer, VIST-Robotics

Salimzhan Gafurov, Head of Autonomous Transport Systems Laboratory, Innopolis University

Andrey Neznamov, Head of Research Center for Robotics and AI Regulation Problems

Alexey Kurenkov, Chief engineer, PCB CT, Russian Railways

Dmitry Cherkasov, Head of Division On Developing Automatic Control Systems, LocoTech-Signal

First row experts:

Oleg Valinsky, Deputy Managing Director - Head of the Traction Directorate, Russian Railways



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	Valentin Gapanovich , President, Association of Railway Equipment Manufacturers
HALL 4 – Corporate University, 4th floor	<p><u>16:45 - 18:00 Round Table</u> Green Technologies in Industry: Energy Efficiency and Environmental Safety</p> <ul style="list-style-type: none">• Changes in legislation regarding environmental standards for the railway industry• Technologies to ensure environmental safety• Technologies in the field of treatment and distant monitoring of natural and waste water quality in railway transport• Organization of work on recovery of total environmental damage• Waste collection systems from railway tracks• Reducing the acoustic impact of railway transportation facilities• Analytical solutions for environmental and sanitary laboratories• Movement towards energy saving technologies: new requirements for locomotives• Outcome of RZD energy strategy implementation <p><u>Moderator:</u> Alexey Lapikov, Principal, Roland Berger</p> <p><u>Speakers:</u> Boris Ivanov, Deputy Head of Technical Policy Department, Russian Railways Svetlana Duving, General Director, National Agency for Sustainable Development Vladimir Kozlov, Managing Director, RUSNANO Management Company Anatoly Silyuta, Deputy Head of Laboratory, VNIIZHT Igor Seleznev, Deputy CEO, Ctrl2GO Nikolay Popov, Director, Hevel Retail Alexey Skorobatyuk, General Director, Noviy Polyus Igor Landgraf, Chief Designer, Krylov State Scientific Center</p>

DAY 3. FRIDAY, AUGUST 30

HALL 2 – Pavilion 5

HALL 2 – Pavilion 5

10:00 - 11:30 6th International Forum

**"Transport Science - Innovative Solutions for Business"
(United Academic Council of JSC "RZD")**

Session 1

**Making a scientific and technological foundation for the
innovative development of railway transport.**

General issues and rolling stock

- Aims and objectives of priority development of railway transport
- Rolling stock for priority development: industry requirements, global trends, opportunities for local manufacturers
- Use of batteries and inductive energy storages for train traction
- Digital Railway is the locomotive of the Russian digital economy

Moderator:

Boris Lapidus, Chairman of the Joint Scientific Council of Russian Railways, Chairman of IRRB under UIC

Speakers:

Hee-Seung Na, Director, Central Road Research Institute (CRRI)

Nikolai Makhutov, Senior Researcher, Institute of Mechanical Engineering A.A. Blagonravova RAS

Vladimir Betelin, scientific adviser, Federal Research Center Scientific Research Institute for System Studies of the Russian Academy of Sciences

Anna Orlova, Deputy CEO, Strategy and Product in United Wagon Company, Executive Director at VNICTT

Mikhail Yanchishin, Advisor to the General Director, Transmashholding



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	<p><u>First row experts:</u> Andrey Zarucheysky, Head of Traction Rolling Stock Department, VNIIZhT Oleg Voron, Head of the Department “Wagons and Wagon Economy”, RSTU Andrey Lunin, Deputy General Director, VNIKTI</p>
<p>HALL 2 – Pavilion 5</p>	<p><u>12:30 – 13:30 Session 2</u> Making a scientific and technological foundation for the innovative development of railway transport. Infrastructure and diagnostic systems issues</p> <ul style="list-style-type: none">• Railway Infrastructure for Freight Traffic: How to Combine Reliability and Lifecycle Cost Reduction• Creating a safe and cost-effective HSR infrastructure: global experience and new ideas• Modern diagnostic complexes for railway infrastructure• Innovative materials: new opportunities for railway development• How to make railways a green energy leader? <p><u>Moderator:</u> Boris Lapidus, Chairman of the Joint Scientific Council of Russian Railways, Chairman of IRRB under UIC</p> <p><u>Speakers:</u> Anatoli Zaytsev, Head of Scientific and Educational Center for Innovative Development of Passenger Railway Transportation, PGUPS Dmitry Raenok, Deputy Director of PKBI, Russian Railways Alexander Kosarev, First Deputy General Director, VNIIZhT Andrzej Massel, Deputy Director, Research Institute of Railway Transport (Poland) Irina Goryacheva, Chairperson of the Interdepartmental Scientific Council for Tribology at the Russian Academy of</p>



INTERNATIONAL RAILWAY
FAIR IN THE AREA 1520

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	<p>Sciences, Russian Ministry of Education and Science and the Union of Scientific Research</p> <p><u>First row experts:</u></p> <p>Christian Böttger, Director of Development, A+S Transproject Yuri Marusev, Head of Engineering Center of Acoustic Group Evgeny Monastyrev, General Director, Research Institute of Bridges</p>
<p>HALL 2 – Pavilion 5</p> <p>*access for all participants of the Fair</p>	<p><u>15:00 – 16:00 Lectures and Presentations (NIIAS)</u></p> <p>Vladimir Umansky, Deputy General Director, NIIAS Efim Rosenberg, First Deputy General Director, NIIAS Alexander Shabelnikov, Director of Rostov branch, Deputy General Director, NIIAS Pavel Popov, Head of the Center for Management and Traffic Safety Systems, NIIAS JSC, Technical Director for the Development of Unmanned Trains, Russian Railways Agop Khatlamadzhiyan, First Deputy Director of Rostov Branch, NIIAS Alexey Zamyshlyaev, Deputy General Director, NIIAS Stepan Dukhin, Head of Scientific and Technical Complex, NIIAS</p>