

CONTENTS OF THE ISSUES OF WORLD OF TRANSPORT AND TRANSPORTATION JOURNAL PUBLISHED IN VOL. 21 (2023)

THEORY

<i>Bubnova, G. V., Pokusaev, O. N., Akimov, A. V.</i> The Quality of Public Transport Services in Multimodal Commuting in a Megalopolis.	Iss. 6 (109)	pp. 191–200
<i>Gorbunov, R. N., Gorbunova, Z. V., Kolchin, V. S.</i> Promising Areas of Research for Developing Single Approaches to Assessing the Quality, Dependability and Efficiency of Traffic Management	Iss. 5 (108)	pp. 174–180
<i>Gvishiani, A. D., Rozenberg, I. N., Soloviev, A. A.</i> Geophysical Processes in the Arctic and the System Analysis of their Impact on Operation and Development of the Transport Infrastructure	Iss. 3 (106)	pp. 154–182
<i>Karlov, A. V., Evseev, O. V.</i> Approaches to Methodological Rationale of Development of Single Backbone Transport Network and Prioritisation of Transport Infrastructure Development Projects.	Iss. 6 (109)	pp. 183–190
<i>Rosenberg, I. N., Sokolov, S. S., Dubchak, I. A.</i> Methods for Development of a Digital Twin of the Water Area for Navigation of Unmanned Vessels	Iss. 6 (109)	pp. 176–182
<i>Tarasenko, E. A., Tyapukhin, A. P.</i> Matrix Approach to Designing Principles of Management of Transport Enterprises	Iss. 5 (108)	pp. 164–173

SCIENCE AND ENGINEERING

<i>Adadurov, A. S., Fedorinin, V. N., Bekher, S. A., Gulyaev, M. A.</i> Possibility of Monitoring the Dynamic Impact of the Rolling Stock on the Track Superstructure Using Strain Gauges and Vibrometry	Iss. 4 (107)	pp. 158–166
<i>Baturin, A. P., Osipov, A. P.</i> Modern Systems of Train Traffic Interval Control on World Railways	Iss. 2 (105)	pp. 164–172
<i>Demidov, I. M., Poliakov, V. Yu.</i> Optimisation of the Design of an Underwater Floating Transport Structure	Iss. 5 (108)	pp. 192–203
<i>Doroshenko, K. A., Ashpiz, E. S., Korostelev, V. A.</i> Material Laboratory Testing of the Sub-Ballast Protective Layer with Binding Agents	Iss. 6 (109)	pp. 202–207
<i>Dyatlov, V. N., Orlov, S. V., Popov, V. A.</i> Combined Influence of Cyclic Loads and Corrosion on the Technical Condition of Metal Structures of Metro Escalators	Iss. 4 (107)	pp. 167–174
<i>Evseev, D. G., Shinkaruk, A. S., Kulikov, Yu. M.</i> Digitalisation of the Database of Passenger Coach's Elements Using the Example of Wheelset Repair	Iss. 6 (109)	pp. 232–237
<i>Fazilova, Z. T.</i> The Impact of Anisotropic Properties of the Rail Track Superstructure on the Parameters of Dynamic Settlement of Bridge Approaches	Iss. 3 (106)	pp. 197–205
<i>Grebennikov, N. V., Zarifyan, A. A.</i> Energy Efficiency Improvement Concept for Autonomous Locomotives	Iss. 1 (104)	pp. 146–153
<i>Kosmodamiansky, A. S., Vorobiev, V. I., Izmerov, O. V., Rasin, D. Yu., Shevchenko, D. N.</i> Issues of Developing Equal-Strength Two-Layer Spherical Rubber-Metal Hinges	Iss. 1 (104)	pp. 162–170
<i>Kudrov, M. A., Bukharov, K. D., Makhotkin, D. R., Aivazov, R. S.</i> Statement of the Problem of Control of an Autonomous Surface Vessel for Inland Waterways	Iss. 3 (106)	pp. 184–188
<i>Lyashenko, A. Yu.</i> Rubble Sandstone Unloading and Screening Unit with Non-Volatile Auxiliary Equipment Drive	Iss. 3 (106)	pp. 206–212
<i>Nezevak, V. I., Dmitriev, A. D., Samolinov, S. S.</i> Simulation of Short-Term Modes of Operation of Traction Power Storage Devices	Iss. 2 (105)	pp. 152–163
<i>Popov, D. A., Epifanov, V. S., Zyabrov, V. A.</i> On the Relationship of Torsional Vibrations and Breakdown Torque of Marine Diesel Engines	Iss. 5 (108)	pp. 211–216
<i>Shantarenko, S. G., Savinkin, S. V.</i> Increasing the Dynamic Characteristics of the Locomotive by Changing the Position of the End Coils of the Springs of the Body Spring Suspension	Iss. 6 (109)	pp. 208–215
<i>Shepitko, T. V., Artyushenko, I. A.</i> Evaluation of Influence of Seasonally Operating Cooling Devices on Thermophysical Processes of Soils of Railway Embankment Foundation	Iss. 1 (104)	pp. 154–161
<i>Tlyavlin, R. M.</i> Assessment of the Technical Condition of Spur Dikes	Iss. 3 (106)	pp. 189–196





<i>Tlyavlina, G. V., Tlyavlin, R. M., Yaroslavl'tsev, N. A.</i> Protection of Transport Structures from Wave Action by Creating a Sandy Wave-Damping Beach	Iss. 5 (108)	pp. 182–191
<i>Vataev, A. S., Vatulin, Ya. S., Kavkazsky, V. N.</i> Simulation of the Dynamic Impact of High-Speed Rolling Stock on Buried Structures of the Tunnel Type	Iss. 6 (109)	pp. 238–250
<i>Yaroslavl'tsev, M. V.</i> Unification of Onboard Traction Energy Storage Devices for Railway Rolling Stock	Iss. 6 (109)	pp. 216–226
<i>Zakirov, A. Kh., Nazarov, F. Kh.</i> Numerical Method for Calculating Plane Flows of Viscous Gas in a Cylinder	Iss. 4 (107)	pp. 152–157
<i>Zbryskiy, M. T.</i> Assessment of the Impact of Construction of Reinforced Soil Retaining Walls on Abutment Pile Group Foundation	Iss. 5 (108)	pp. 204–210
<i>Zuev, A. S., Glushchenko, M. D.</i> Study of an Asynchronous Traction Motor with Inclined Slot Rotor	Iss. 6 (109)	pp. 227–231

MANAGEMENT, CONTROL AND ECONOMICS

<i>Andreev, S. A.</i> Development of a Method for Assessing the Quality of Public Transport Services within Urban Transportation Planning Systems	Iss. 5 (108)	pp. 241–249
<i>Bandurin, A. V., Matyukha, S. V.</i> Interaction Model of Regional Air Transportation Market Participants under the Conditions of Limited Competition	Iss. 6 (109)	pp. 252–260
<i>Boyarshtinov, M. G., Vavilin, A. S.</i> Duration of Car Movement in the Flow as a Traffic Congestion Indicator	Iss. 5 (108)	pp. 250–261
<i>Epikhin, A. I., Kondratiev, S. I., Kheker, E. V.</i> Diagnostics of Ship Engines Based on Wavelet Neural Network and Image Scanning Using Programmable Logic Circuit.	Iss. 6 (109)	pp. 275–282
<i>Filippova, N. A., Abakarov, A. A., Amirov, A. T., Igitov, Sh. M.</i> Improving Transportation and Traffic Safety with Digital Infrastructure and Telematic Systems for Mountain Vehicle Operations	Iss. 4 (107)	pp. 207–216
<i>Gogrichiani, G. V., Kornienko, N. V.</i> Increasing the Capacity of a Locomotive Depot by Prioritising Organisational and Technical Measures	Iss. 6 (109)	pp. 261–267
<i>Kargina, L. A., Ionova, T. V.</i> Non-Financial Risks of Introducing Information Systems into the Activities of Transport and Logistics Companies	Iss. 2 (105)	pp. 192–197
<i>Karlov, A. V.</i> Decision-Making Methods in Transport Policy: a Multi-Criteria Approach	Iss. 1 (104)	pp. 172–179
<i>Kholikov, I. V.</i> Legal Regulation of Military Transport Obligation in the Russian Federation	Iss. 4 (107)	pp. 217–222
<i>Kolesnikov, M. V., Bogachev, V. A., Zadorozhnyi, V. M., Bakalov, M. V.</i> Analysis of Competitiveness of Small Ports of the Azov-Black Sea Basin in Multimodal Transportation: Technological Aspects, Transportation Problem Optimisation	Iss. 3 (106)	pp. 222–232
<i>Kopylov, M. A.</i> Development of a Harmonised Software Algorithm to Prepare to Transport Oversized Cargo	Iss. 1 (104)	pp. 228–236
<i>Kurzina, E. G., Kornienko, N. A., Kurzina, A. M.</i> Rationale for Transport Costs when Transporting Bulk Cargo in Containers with the Integral Method	Iss. 6 (109)	pp. 295–300
<i>Martynenko, A. V., Saifutdinov, D. Zh.</i> Adequacy of the Gravity Model of Railway Passenger Flows	Iss. 1 (104)	pp. 213–223
<i>Maslennikov, V. A., Zaika, M. V., Markelov, A. V.</i> Methodology for Designing Road Vehicle Service Facilities	Iss. 2 (105)	pp. 204–210
<i>Moskvichev, O. V., Leonova, S. A., Vasiliev, D. V.</i> Using an Artificial Neural Network to Record and Analyse the Performance Indicators of a Transport Enterprise	Iss. 2 (105)	pp. 185–191
<i>Nesterov, E. A., Tsvetkov, V. Ya.</i> Transport Cybersecurity	Iss. 6 (109)	pp. 268–274
<i>Odenbakh, I. A., Orekhov, S. A., Taurit, E. B.</i> Alternativeness in the Architectural Design of Bridges and Overpasses	Iss. 2 (105)	pp. 219–224
<i>Osintsev, N. A., Tsyganov, A. V., Rakhmangulov, A. N., Baginova, V. V.</i> Multicriteria Comparison of Piggyback Systems	Iss. 6 (109)	pp. 283–294
<i>Panova, O. N., Vakulenko, S. P., Egorov, P. A.</i> Unification of Passenger Trains when Organising Irregular Railway Transportation	Iss. 5 (108)	pp. 236–240
<i>Poleshkina, I. O., Vorobiev, V. V.</i> Development of a Network of Landing Sites and Heliports: Ensuring Aviation Accessibility of Settlements in the Arctic Regions	Iss. 2 (105)	pp. 174–184

<i>Rakhaev, V. A., Kuzina, E. L., Vasilenko, M. A.</i> Development of Proposals for Increasing the Efficiency of Using Domestic High-Capacity Rolling Stock in the South of Russia	Iss. 5 (108)	pp. 228–235
<i>Rogulin, R. S.</i> Optimisation of Timber Supply Chains: Mathematical Model and Analysis of Regional Sources Using the Example of Primorsky Region	Iss. 5 (108)	pp. 218–227
<i>Rozenberg, E. N., Ozerov, A. V., Kuznetsov, V. I., Tikhonov, S. S.</i> Comparison of Train Traffic Parameters for Various Virtual Coupling Use Cases	Iss. 4 (107)	pp. 176–185
<i>Rubtsov, E. A., Kudryakov, S. A., Dalinger, Ia. M.</i> Methodology for Assessing Shortened ILS LOC and GP Critical Areas: an Example of Gorno-Altai Aerodrome	Iss. 4 (107)	pp. 186–198
<i>Shinkaruk, A. S.</i> Technical Preparation for Scheduled Preventive Maintenance of Double-Decker Rolling Stock	Iss. 4 (107)	pp. 199–206
<i>Sukhov, Ph. I., Zverkova, V. M.</i> Assessment of Sustainable Development Aspects in Transport Companies Activities	Iss. 1 (104)	pp. 188–193
<i>Teng Zhang</i> Trends in Development of Chinese-Russian Relations in the Field of Railway Transport	Iss. 1 (104)	pp. 180–187
<i>Tlyavlina, G. V.</i> Physical Modelling in Development of the Regulatory Framework for Transport Construction	Iss. 2 (105)	pp. 211–218
<i>Tsyganov, A. A.</i> Results of a Market Study of Vehicle Repairs Covered by Compulsory Motor Third Party Liability Insurance	Iss. 5 (108)	pp. 262–270
<i>Tyapukhin, A. P.</i> The Structure of Organisation Management Methods within the Value Chain	Iss. 1 (104)	pp. 194–204
<i>Uryupin, I. V.</i> Defining Standard of Access to Domestic Air Travel	Iss. 3 (106)	pp. 214–221
<i>Vakulenko, S. P., Romensky, D. Yu., Kalinin, K. A.</i> Typification of Projects for Development of High-Speed Rail	Iss. 3 (106)	pp. 233–242
<i>Zemlin, A. I., Shinkaruk, A. S., Vishniakova, E. P.</i> Legal and Technological Aspects of Life Cycle Contract Implementation in the Long- Distance Passenger Rail Transportation	Iss. 1 (104)	pp. 224–227
<i>Zemlin, A. I.</i> Problems of Ensuring Safe Operation of Highly Automated Vehicles Using the Potential of Public and Private Law	Iss. 2 (105)	pp. 198–203
<i>Zhukov, V. E.</i> Simulation Model for Airport Disruption Management	Iss. 1 (104)	pp. 205–212

SAFETY AND SUSTAINABILITY

<i>Efanov, D. V., Mikhailyuta, E. M.</i> Reliability and Safety Management of the Transportation Process Using Systems for Continuous Monitoring of Railway Infrastructure Facilities	Iss. 2 (105)	pp. 226–236
<i>Efanov, D. V., Mikhailyuta, E. M., Pashukov, A. V.</i> Technological Basis for Data Interoperability of Highway Structural Health Monitoring Systems and Intelligent Transport Systems	Iss. 5 (108)	pp. 272–281
<i>Filippov, V. N., Nedorchuk, B. L., Petrov, A. A., Kurzina, E. G.</i> Technical and Legal Aspects of Ensuring Safety of Transportation of Dangerous Goods of Hazard Classes 2 and 3 in Tank Cars	Iss. 2 (105)	pp. 251–260
<i>Gordeev, D. S., Tomaev, A. O.</i> Scenario Analysis of the Prospects for the Use of Alternative Fuels for Road Transport in Russia	Iss. 4 (107)	pp. 232–241
<i>Klepalova, Yu. I., Shcherbakova, O. V., Balitsky, K. S.</i> Medical Examinations of Employees Involved in Traffic and Transportation	Iss. 2 (105)	pp. 243–250
<i>Kossov, V. S., Knyazev, D. A., Krasnyukov, N. F., Makhutov, N. A., Gadenin, M. M.</i> Regulatory Framework for Ensuring Safe Operation of Railway Equipment Based on the Service Life of Load-Bearing Structures	Iss. 3 (106)	pp. 254–262
<i>Kupriyanovich, M. S.</i> The Role and Place of the International Ship and Port Facility Security Code in the International Legal Mechanism for Ensuring Security in Maritime Transport	Iss. 5 (108)	pp. 298–304
<i>Leonov, T. M., Zemlina, O. M.</i> Legal Regulation of Control (Supervision) over Quality and Safety of Medical Activities in Transport Industry	Iss. 2 (105)	pp. 237–242
<i>Limarev, A. S., Vorotnikov, M. Yu.</i> Comparative Assessment of the Prospects for Hydrogen Fuel Cell Electric Vehicles	Iss. 4 (107)	pp. 242–247
<i>Lyovlin, B. A., Tsvetkov, V. Ya., Isain, N. V., Okhotnikov, A. L.</i> Bifurcation Points of Carbon Regulation	Iss. 3 (106)	pp. 244–253



<i>Makhutov, N. A., Gadenin, M. M., Kossov, V. S., Knyazev, D. A., Krasnyukov, N. F.</i> Development of Risk-Based Approaches to Determining the Damageability and Useful Life of Railway Transportation Assets	Iss. 4 (107)	pp. 224–231
<i>Malyshov, M. I.</i> Control of the Safety of Bulk Cargo by Determining the Unfilled Volume of the Gondola Car with Stereophotogrammetry	Iss. 5 (108)	pp. 291–297
<i>Reyes Suarez, Yarian, Balabin, V. N., Morejón Mesa, Yanoy</i> Emissions of Pollutant Gases (CO and CO ₂) when Using Fuel Mixtures (Ethanol-Petrol) in Internal Combustion Engines	Iss. 4 (107)	pp. 248–252
<i>Sargina, A. V., Sedova, N. V.</i> Tracking Availability of SDG 9.1 Indicators Regarding Transport Infrastructure Using the Example of G20 Member Countries	Iss. 1 (104)	pp. 238–245
<i>Tskhovrebov, Ed. S.</i> New Approaches to Improving Protection of the Urban Environment from Transport Accidents Based on the Use of Safe Materials	Iss. 1 (104)	pp. 246–252
<i>Tsyganov, A. V., Osintsev, N. A., Rakhmangulov, A. N., Zenkin, A. A.</i> Sustainability Criteria for a Piggyback System	Iss. 5 (108)	pp. 282–290
<i>Zemlin, A. I., Matveeva, M. A., Gots, E. V.</i> Risk Management for the Safe Use of Highly Automated Vehicles in a Metropolis: Systems and Legal Analysis	Iss. 3 (106)	pp. 263–270
HISTORY WHEEL		
Draft Regulation on the Train Traffic on Russian Railways (Steam Locomotives' Railways) Open for Public Use (1892). Press archives	Iss. 1 (104)	pp. 262–268
<i>Epishkin, I. A., Karpov, L. A., Buditsky, E. G.</i> 55 Years at the Forefront of Transport Continuous Professional Education	Iss. 2 (105)	pp. 262–271
<i>Kuanyshev, B. M.</i> Remembering the Scientific Alma Mater	Iss. 6 (109)	pp. 302–308
<i>Kulikova, E. B., Enova, L. E.</i> Dedicated to the Memory of MIIT University Students – Fighters of 19 Separate ASWC Battalion...	Iss. 1 (104)	pp. 254–261
<i>Kurganov, V. M., Gryaznov, M. V., Dorofeev, A. N.</i> The Study of the Logistics Ontology by the Historical-Genetic Method	Iss. 3 (106)	pp. 272–279
<i>Levin, D. Yu.</i> S. Yu. Witte – Originator of Railway Tariffs Theory. Part 1	Iss. 5 (108)	pp. 306–310
<i>Levin, D. Yu.</i> S. Yu. Witte – Originator of Railway Tariffs Theory. Part 2	Iss. 6 (109)	pp. 309–320
<i>Macheret, D. A.</i> The Role of Transport in Formation of the «Advancement Effect» in Ancient and Medieval Societies	Iss. 4 (107)	pp. 254–263
Northern Siberian Trade Route and Polar Urals Railway. Part 1. Press archives	Iss. 2 (105)	pp. 272–276
Northern Siberian Trade Route and Polar Urals Railway. Part 2. Press archives	Iss. 3 (106)	pp. 280–290
<i>Semenov, N. M.</i> How Transport Rarities Were Preserved	Iss. 4 (107)	pp. 264–273
Twenty-Five Years of Engineering and Scientific Activity of Nikolai A. Belelyubsky (report by A. N. Gorchakov in the Imperial Russian Technical Society in 1892)	Iss. 4 (107)	pp. 274–280
BIBLIO-DIRECTIONS		
<i>Chernigina, I. A.</i> A Cure for Railay Employees' Headaches (Review of the Monograph «Economic Assessment of Seasonal Unevenness of Transportation»)	Iss. 5 (108)	pp. 312–313
<i>Efanov, D. V.</i> Safe Railways (Review of the monograph «Functional Safety of Railway Control Systems»)	Iss. 6 (109)	pp. 322–324
<i>Glushachenko, S. B., Zelepukin, R. V.</i> Military Legal Knowledge for Future Transport Employees (Review of the Three-Volume Monograph «Military Law»)	Iss. 1 (104)	pp. 270–273
<i>Kargina, L. A.</i> Road Management with Mathematical Accuracy	Iss. 4 (107)	pp. 282–284
<i>Larin, O. N.</i> Urban Transportation Systems in Large Cities: Issues of Efficiency	Iss. 2 (105)	pp. 278–281
ABSTRACTS OF D.SC. AND PH.D.		
Iss. 1 (104) pp. 274–279, Iss. 2 (105) pp. 282–287, Iss. 3 (106) pp. 292–295, Iss. 4 (107) pp. 285–288, Iss. 5 (108) pp. 314–316, Iss. 6 (109) pp. 325–327		
NEW BOOKS ON TRANSPORT AND TRANSPORTATION		
Iss. 1 (104) P. 280, Iss. 2 (105) P. 288, Iss. 3 (106) P. 296, Iss. 4 (107) P. 288, Iss. 5 (108) P. 316, Iss. 6 (109) P. 328		