

# CONTENTS OF THE ISSUES OF WORLD OF TRANSPORT AND TRANSPORTATION JOURNAL PUBLISHED IN VOL. 18 (2020)

### **THEORY**

ı	INEURY		
	Agureev, I. E.  Development of the Theory of Macrosystems as a Necessary Condition for Improving Quality of Transport Modelling	Iss. 2 (87)	pp. 6–20
ı	Bratus, A. S., Ocheretyanaya, A. S. Mathematical Model of Spread of the Epidemic Inside a Railway Compartment Coach	Iss. 6 (91)	pp. 6–29
ı	Denisenkov, A. P., Polyakova, Yu. M.		
ı	Crowdsourcing and Platform Solutions in Transport: Opportunities for Development of «Digital Metro» in Russia	Iss. 1 (86)	pp. 6–20
ı	Freidman, O. A.  Methodological Aspects of Transportation Systems Classification and Management	Iss. 4 (89)	pp. 34–52
	Golovnich, A. K. Verifiable Structure of Technological Processes in Dynamic 3D Models of Railway Stations	Iss. 5 (90)	pp. 6–23
ı	Kiselenko, A. N., Sundukov, E. Yu.  Optimistic and Pessimistic Scenarios for Development of Feeder Network		16.62
ı	of the Arctic Transport System Based on Achievement of Target Indicators  Kravchuk, A. S., Kravchuk, A. I., Mikhievich, A. P., Gays, N. Y.	Iss. 6 (91)	pp. 46–62
ı	Theoretical Method for Controlling the Flow Rate of the Pumped Medium by Positioning Locking Elements of the Pipe Fittings	Iss. 2 (87)	pp. 22–49
ı	Kuftinova, N. G.  The Problem of Data Mining in Modelling Traffic Flows in a Megapolis	Iss. 5 (90)	pp. 24–40
ı	Lyovin, B. A., Tsvetkov, V. Ya., Okhotnikov, A. L. Application of Models of Probabilistic Situations regarding Railways	Iss. 3 (88)	pp. 6–26
	Macheret, D. A., Titov, R. A. Strategic Planning and Economic Assessment of Development of Intermodal Transport Infrastructure	Iss. 6 (91)	pp. 30–45
	Macheret, D. A.  Theoretical Comprehension of the Role of Transport in Ensuring Long-Term  Economic Development	Iss. 4 (89)	pp. 6–33
ı	Savosina, M. I.		
ı	Assessment of Effectiveness of Sustainable Transport Development  Spirin, I. V.	ISS. 2 (87)	pp. 50–66
ı	Estimation of Travel Time Spending by Urban Transport Passengers  Tregubov, V. N.	Iss. 3 (88)	pp. 28–43
ı	Promising Modern Research Areas in Smart Mobility  Zheleznov, M. M., Karasev, O. I. Shitov, E. A., Shitova, Yu. A.	Iss. 3 (88)	pp. 44–52
ı	Research of Development of Foreign Railway Companies Using Patent and Bibliometric Analysis	Icc 1 (86)	pp. 22–36
ı		133. 1 (00)	рр. 22—30
ı	SCIENCE AND ENGINEERING  Alexeev, V. M., Vaganov, A. V., Katina, M. V.		
ı	The Concept of Development and Implementation of High-Speed Transport	Iss. 1 (86)	pp. 58–72
	Belkov, V. M., Gogrichiani, G. V. Physical Mechanisms of Ballast Granules Flying during Passage of High-Speed Trains	Iss. 3 (88)	pp. 54–71
	Bondar, I. S., Kvashnin, M. Ya., Aldekeeva, Dinara T. Stress-Strain State of Reinforced Concrete Overpass under Load	Iss. 2 (87)	pp. 68–81
	Chebykin, I. A. Automating Road Traffic Monitoring Using Computer Vision	Iss. 6 (91)	pp. 74–87

Dimitrov, Rumen		
Evaluation of the Electromagnetic Effect of Traction Rolling Stock		
on Track Circuits	Iss. 5 (90)	pp. 42–61
Dmitrenko, A. V., Kolosova, M. A.		
Features of Calculating the Characteristics of Energy Complexes Using		
Low-Grade Energy	Iss. 6 (91)	pp. 108–117
Efanov, D. V.		
Monitoring System for Railway Automation Devices Based on the Industrial	* (04)	440 404
Internet of Things	Iss. 6 (91)	pp. 118–134
Efanov, D. V., Myachin, V. N., Osadchy, G. V.		
Road Overbridges of Car L if t Type for Crossing Railway Tracks in Densely	T 5 (00)	00 100
Built-Up Areas of Modern Cities	ISS. 5 (90)	pp. 90–108
Kaimov, E. V.		
Risk-Based Approach in Assessing the Technical Condition	Inc. ( (01)	64 72
of Foundations of Bridge Structures	ISS. 0 (91)	pp. 64–73
Lobyntsev, V. V., Polev, S. S., Mogilevsky, K. G.	1 4 (00)	72 62
Study of Performance of RZhFA-6500 Smoothing Reactors	Iss. 4 (89)	pp. 72–83
Pupatenko, V. V., Sukhobok, Yu. A., Stoyanovich, G. M.		
Evaluation of Electrophysical Properties of Soils in the Slope Zones	T ( (01)	00 107
of the Foundation During GPR Survey	ISS. 6 (91)	pp. 88–107
Savinkin, V. V., Kuznetsova, V. N., Abilmazhinova, A. S.		
Development of an Energy-Efficient Rotary Inertia Device	I 1 (0C)	20 57
for Briquetting Household Solid Waste (HSW)	ISS. 1 (86)	pp. 38–57
Semenov, A. P., Semchenko, V. V., Khromov, I. Yu.		
Monitoring the Technical Condition of AC Electric Locomotives	I 5 (00)	(2, 80
using Traction Energy Consumption Rates	ISS. 3 (90)	pp. 62–89
Shapran, V. V., Fazilova, Z. T.		
Factors Influencing Development of Longitudinal Profile Deformations of the Roadbed in the Permafrost Zone	Icc. 2 (87)	pp. 82–101
	155. 2 (67)	pp. 82–101
Shvetsova, S. V.		
Aspects of Equipping Transport Facilities with Systems for Controlling Routes of Unmanned Aerial Vehicles	Icc 4 (89)	pp. 84–96
	133. 7 (07)	рр. 04—70
Tarovik, O. V., Reutsky, A. S., Topazh, A. G. Estimation of Evaporation Losses of Bunker LNG	Icc 3 (88)	pp. 84–106
	155. 5 (66)	рр. 84—100
Teregulov, O. A.  New Approaches to Assessing State of Insulating Material of Traction		
Electric Motors of Electric Locomotives	Icc 2 (87)	pp. 102–115
Volkov, A. A., Morozov, M. S., Kuzyukov, V. A.	133. 2 (07)	pp. 102–113
Improving Frequency Efficiency of Signals with Absolute Phase		
Shift Keying by 180°	Iss 3 (88)	pp. 72–83
Zhuravleva, L. M., Nilov, M. A., Loshkarev, V. L., Levshunov, V. V.	133. 5 (00)	pp. 72 03
Evaluation of the Impact of Doppler Effect on Quality of HSR Radiocommunications	Icc 4 (89)	pp. 54–71
Evaluation of the impact of Doppler Elect on Quanty of 115K Radiocommunications	133. 7 (07)	рр. 54—71
ECONOMICS		
Butov, A. V.		
Development Strategy of a Car Manufacturing Company in the Russian Car Market		
at the example of Sollers PJSC	Iss 6 (91)	pp. 170–183
Bryazgina, E. O., Kazmin, D. M.	100.0 (71)	PP. 170 -103
Methodological Approaches to Providing State Support for Development of Public		
Urban Passenger Transport	Iss. 4 (89)	pp. 108-117
Gudkov, D. V., Starynin, V. V.	100. 1 (07)	FP. 100 11/
Influence of the Distance of Transportation of Goods on Operating Costs		
of a Motor Transport Enterprise	Iss. 6 (91)	pp. 158–169
Filimonova, Z. V.	- (5 1)	
Constitution of the second of	* 4 (00)	110 122



Iss. 4 (89) pp. 118-132

Comparative Assessment of Competitiveness of Passenger Transportation



Karasev, O. I., Zheleznov, M. M., Trostyansky, S. S., Shitova, Yu. A.		
Comprehensive Analysis of Forms of Innovative Activity of Foreign Railway Companies	Iss. 2 (87)	pp. 158–170
Lavrov, I. M.	Icc. 2 (97)	nn 126 157
Development of the House of Quality for Rail Transportation Market  Macheret, D. A., Razuvaev, A. D., Ledney, A. Yu.	ISS. 2 (87)	pp. 136–157
Economic Assessment of Seasonal Unevenness	I 1 (06)	04 115
in Railway Infrastructure Loading  Makutsky, N. A., Fadeev, M. S., Chistyakov, P. A.	ISS. 1 (86)	pp. 94–115
Comparison of Forecasting Methods for Intercity Passenger Flows		<b>5</b> 4 00
for Various Modes of Transport  Malyshev, M. I., Filippova, N. A., Ponomarev, M. L.	Iss. 1 (86)	pp. 74–92
Uncollected Fare as Unresolved Problem of Public Transport Enterprises		
Engaged in Transportation of Benefit Holders  Semenov, A. P., Lakin, I. K.	Iss. 1 (86)	pp. 116–133
Justification of the Need for Locomotive Diagnostic Systems	Iss. 6 (91)	pp. 136–157
Soldatenko, I. A.		
Foreign Approaches to the Audit of Transport System Efficiency at the Regional Level	Iss. 6 (91)	pp. 184–206
Volkov, B. A., Boyarinov, D. A.	I 4 (00)	00 107
Efficiency of Planning the Reconstruction of Railway Facilities Using BIM  Zhukov, V. E.	ISS. 4 (89)	pp. 98–107
Demand Analysis Models for Passenger Air Transportation	Iss. 1 (86)	pp. 134–144
Zhukov, V. E. The Study on Prerequisites for Operating Losses in the Airline Activity	Iss. 2 (87)	pp. 118–135
The study on Fretequisites for Operating Losses in the Finance Fetting	155. 2 (67)	рр. 110 133
ADMINISTRATION, MANAGEMENT AND CONTROL		
Budrina, E. V., Lebedeva, A. S., Rogavichene, L. I., Kvitko, K. B. Features of Organisation of Transport and Logistics Cluster Prioritising		
Intelligent Transport Technologies Development	Iss. 4 (89)	pp. 156–173
Burlutsky, A. A., Elugachev, P. A.  Development of an Approach to Improving the Passenger Transport		
Routing Scheme in a Large City	Iss. 4 (89)	pp. 174–187
Chernova, G. A., Velikanova, M. V., Kokshilov, V. A.  Assessment of Quality of Passenger Transportation in the City of Volzhsky		
in Conformity with the Requirements of the Social Standard	Iss. 5 (90)	pp. 122–139
Dundua, R. D. Corporate Governance Development in Railway Companies	Icc. 2 (99)	pp. 134–147
Efanov, D. V.	188. 3 (00)	рр. 134—147
Integration of Control and Monitoring Systems	Iss. 1 (86)	pp. 146–157
Guts, A. V. Models of Organisation of Combined (Mixed-Mode)		
Passenger Transportation	Iss. 6 (91)	pp. 208–219
Ivanova, E. A., Flyagina, T. A.,  HSR Development in Russia Considering the Dynamics of Passenger		
Traffic and Public Opinion	Iss. 6 (91)	pp. 248–270
Korotky, A. A., Demyanov, A. Al., Demyanov, A. An. System of Remote Monitoring of Technical Objects	Iss 5 (90)	pp. 110–121
Kozelsky, I. Yu.	133. 5 (70)	рр. 110—121
Key Mistakes in Development of Transport Planning Documents	Iss. 3 (88)	pp. 108–119
Kudryashov, M. A., Prokopenkov, A. V., Ayriev, R. S. On the Issue of Regulatory Support for Passenger Electric Vehicles Operation	Iss. 1 (86)	pp. 196–211
Kudryashov, M. A., Prokopenkov, A. V., Ayriev, R. S.		
Methodical Approach to Organisation of Transportation on Electric Bus Routes	Iss. 5 (90)	pp. 152–170

Lysenko, N. E., Kuznetsova, I. A., Kuznetsov, K. S.		
On the Issue of Efficiency of Shunting Diesel Locomotives at Cargo Terminals	Iss. 1 (86)	pp. 170–183
Malakhov, S. V., Kapustin, M. Yu.		
Operational Rationing of Energy Resources for Train Traction using the Method of Artificial Neural Networks	Iss 1 (86)	pp. 158–169
Maltsev, D. V., Repetsky, D. S.	133. 1 (00)	pp. 130 10)
Control of Production Personnel when Performing Vehicle Maintenance	Iss. 6 (91)	pp. 238–247
Moskvichev, O. V., Leonova, S. A.	, ,	
Methods of Selection of Transport Interchange Hubs Location		
Based on Optimization Mathematical Model	Iss. 2 (87)	pp. 198–213
Myachin, V. N., Tsibro, S. V., Semenova, N. Yu., Baskakova, A. A.		
Methods for Calculating the Population Size in Transport Modelling	Iss. 4 (89)	pp. 134–147
Nemchinov, M. V., Kholin, A. S.	I 2 (00)	120 122
Trends in Development of Integrated Transport Schemes for Cities	ISS. 3 (88)	pp. 120–133
Pokusaev, O. N., Chekmarev, A. E., Evseev, V. S. On the Issue of Assigning Additional Stops for Long-Distance		
Passenger Trains within the Boundaries of the City of Moscow	Iss. 2 (87)	pp. 172–197
Popov, A. T., Khmelev, A. S.	(, )	
Improving the Methodology for Calculating the Average Turnover		
of Gondola Cars of an Iron and Steel Plant	Iss. 1 (86)	pp. 184-195
Popov, A. T., Suslova, O. A., Voronkova, E. A.		
Optimization of the Process of Unloading of Iron Ore Raw	1 2 (00)	140 163
Materials: The Case of a Steel Plant	ISS. 3 (88)	pp. 148–162
Spirin, I. V., Grishaeva, Y. M., Matantseva, O. Yu. Indicator for Assessing Availability of Rolling Stock for Public Urban Passenger Transport	Iss. 6 (91)	pp. 220–237
Troitskiy, P. S.	155. 0 (71)	pp. 220 237
Introduction of the Latest Railway Technology based on Intersectoral Cooperation	Iss. 4 (89)	pp. 188-198
Vitolin, S. V.		
Basic Methodology of Traffic Management for the Street and Road		
Network of a Large City with Traffic Lights Regulation	Iss. 4 (89)	pp. 148–155
Yusupova, O. A.	Inc. 2 (97)	nn 214 224
Assessment of Quality of Service Provided to Private Consignors	ISS. 2 (87)	pp. 214–224
Yusupova, O. A.  Analysis of Quality of a Carrier's Website to Increase Loyalty of Individual Customers	Iss 5 (90)	pp. 140–151
amily as a Quanty of a current of receive to instead Zoyany of marriagan customers	1551 0 (50)	pp. 1 . 0
SAFETY AND SECURITY		
Bochkov, K. A., Komnatniy, D. V.		
Method for Calculating Safety Features of Railway Automation Devices	Iss. 3 (88)	pp. 164–173
Erkhova, M. V., Shumkova, L. G.		
Study of Peculiarities of Coping Behavior of Cadets-Pilots of Civil Aviation	Iss. 1 (86)	pp. 214–229
Popov, A. V., Kaimakova, U. M., Stetsky, N. P.	Inc. 1 (96)	nn 220 242
Level of First Aid Skills Among Drivers in Russia and the European Union Shvetsov, A. V.	188. 1 (00)	pp. 230–243
The Stakeholders of Transport Infrastructure as an Element		
of the Transport Security System	Iss. 1 (86)	pp. 244–257
Shvetsova, S. V., Shvetsov, A. V.		
Enhanced Security of Unmanned Aerial Vehicles Operations		
at Transport Infrastructure Facilities	Iss. 3 (88)	pp. 174–188
HRM, EDUCATION & TRAINING		
Kovalenko, N. I., Kovalenko, N. A.  Maintenance of Low-Intensity Railways in Modern Conditions	Iss 5 (90)	pp. 190–200
Platonova, O. A.	133. 3 (30)	pp. 170-200
History of Mothamatical Olympiads	Icc 5 (00)	nn 172 190



Iss. 5 (90) pp. 172-189

History of Mathematical Olympiads



#### HISTORY WHEEL

١l	HISTORY WHEEL		
N	Graff, M.		
1	Central Andean Railway in Peru	Iss. 6 (91)	pp. 272-303
ı	Grigoriev, N. D.		
ı	Evgeny O. Paton (to the 150th anniversary of the birth)	Iss. 3 (88)	pp. 214–224
ı	Grigoriev, N. D.		
ı	Emilius Lenz (1804–1865)	Iss. 4 (89)	pp. 200–210
ı	Levin, D. Yu.		
ı	Construction of the Great Siberian Route	Iss. 3 (88)	pp. 190–213
ı	Shelikhova, A. K.	T 5 (00)	202 211
ı	On the Water like on the Dry Land	Iss. 5 (90)	pp. 202–211
ı	Sokolov, Yu. I. Institute of Economics and Finance of Russian University of Transport:		
ı	Milestones of Establishment and Development	Iss 2 (87)	pp. 226–244
ı	Transactions of Establishment und Development	155. 2 (07)	pp. 220 211
ı	BIBLIO-DIRECTIONS		
ı	Kholikov, I. V.		
ı	Legal Knowledge for Future Transport Employees	Iss. 1 (86)	pp. 260-264
ı	Kholikov, I. V.		
ı	Law and Transport: Continuing the Topic	Iss. 4 (89)	pp. 246-253
ı	Razuvaev, A. D.		
ı	Sovremennik Magazine about the Railways (socio-economic analysis)	Iss. 2 (87)	pp. 260-269
ı	Shapkin, I. N.		
ı	Reformer of the Railways and of the Country	Iss. 5 (90)	pp. 234-241
ı	Shelikhova, A. K.		
ı	All Maglev alphabetically	Iss. 3 (88)	pp. 244–247
ı			
ı	EXPRESS-INFORMATION	T 1 (0.6)	250
ı	Drone Operations: Sustainable Development and Regulation Issues	Iss. 1 (86)	_
ı	First Plane to Take-Off from Water	Iss. 3 (88)	_
ı	New Terminal C Opened at Sheremetyevo Airport	Iss. 1 (86)	_
ı	Passenger Transportation Through the Infrastructure Owned by Russian Railways in 2019		
ı	Russian Ministry of Transport Digitizes Bill of Lading and the Waybill	Iss. 1 (86)	_
ı	Russian Railways Implements First Smart Freight Transport Contract	Iss. 3 (88)	-
ı	Smart Intersections in Moscow	Iss. 2 (87)	_
ı	Sustainable Development: the 82 nd Session of the Unece ITC	Iss. 2 (87)	p. 21
ı			
ı	PRESS ARCHIVES	I ( (01)	204 212
ı	Fade Viaduct on the Orleans Railway (France)	Iss. 6 (91)	pp. 304–312
ı	New High-Speed Rail System Proposed by August Scherl (Passenger Traffic Improvement Project). Part 1	Iss. 4 (89)	pp. 211–244
	On Improving the Conditions for Passenger Traffic on Suburban	133. 7 (07)	pp. 211–2 <del>14</del>
	and Urban Railways of Petersburg Junction	Iss. 2 (87)	pp. 245–258
	On the Ways of Development of Railway Business (1910)	Iss. 3 (88)	pp. 215 250 pp. 225–241
	Railway in the French Pyrenees	Iss. 6 (91)	pp. 304–312
	The Movement of Passengers and Goods Along a Railless Track	Iss. 5 (90)	pp. 212–232
	The 1.12 content of Passongolo and Goods Hong a Ramoss Hack	230. 5 (70)	PP. 212 232
-1			

# ABSTRACTS OF D.SC. AND PH.D.

Iss. 1 (86) pp. 265–270, Iss. 2 (87) pp. 270–274, Iss. 3 (88) pp. 248–254, Iss. 4 (89) pp. 254–261, Iss. 5 (90) pp. 242–254, Iss. 6 (91) pp. 314–319

## **NEW BOOKS ON TRANSPORT AND TRANSPORTATION**

Iss. 1 (86) pp. 271–272, Iss. 2 (87) pp. 275–276, Iss. 3 (88) pp. 255–256, Iss. 4 (89) pp. 262–264, Iss. 5 (90) pp. 255–256, Iss. 6 (91) pp. 320–322

• WORLD OF TRANSPORT AND TRANSPORTATION, Vol. 18, Iss. 6, pp. 323–332 (2020)