



Natalia Shramenko

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ABOUT ME

Doctor of Technical Sciences, Professor

WORK EXPERIENCE

Expert of the National Agency for Quality Assurance in Higher Education

[2019 – Current]

Professor of the Department of Transport Technologies and Logistics

Petro Vasylenko Kharkiv National Technical University of Agriculture [2017 – Current]

Associate Professor, Professor of the Department of Transport Technologies

Kharkiv National Automobile and Road University [2005 – 2017]

Postgraduate student, assistant at the Department of "Operational Management and International Transportation"

Kharkiv State Academy of Railway Transport (KharDAZT) [1998 – 2005]

EDUCATION AND TRAINING

Specialist in Transportation Organization and Transport Management

Kharkiv State Academy of Railway Transport (KharDAZT) [1993 – 1998]

Accounting and Audit Specialist

Kharkiv State Academy of Railway Transport (KharDAZT) [1993 – 1999]

Defended her dissertation for the degree of Candidate of Technical Sciences

[2001]

Awarded the academic title of Associate Professor of the Department of Transport Technologies

[2006]

Training in developing distance courses in the MOODL system

Kharkiv National Automobile and Road University [2012]

Defended her dissertation for the degree of Doctor of Technical Sciences

[2014]

Academic title of Professor of the Department of Transport Technologies

[2015]

Internship

"National Technical University "KhPI"" [2010]

Scientific and pedagogical internship

Rzeszow Polytechnic Institute [10/2018]

Country: Poland

LANGUAGE SKILLS

Mother tongue(s): Ukrainian

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

PUBLICATIONS

MODEL OF OPTIMIZATION OF THE PARAMETERS OF THE DELIVERY PROCESS IN INTERNATIONAL TRAFFIC N.Y., Shramenko, Natalya Yu , A., Merkisz-Guranowska, Agnieszka , J., Trojanowska, Justyna , P., Trojanowski, Piotr , V.O., Shramenko, Vladyslav O. Scientific Journal of Silesian University of Technology. Series Transport, 2025

Mathematical modeling as a tool for selecting a rational logistical route in multimodal transport systems O Pavlenko, D Muzylyov, N Shramenko, D Cagáňová, V Ivanov Industry 4.0 Challenges in Smart Cities, 23-37,2022

Logistics optimization of agricultural products supply to the European Union based on modeling by Petri nets O Pavlenko, N Shramenko, D Muzylyov New Technologies, Development and Application III 6, 596-604,2020

Choice of Carrier Behavior Strategy According to Industry 4.0 D Muzylyov, N Shramenko, M Karnaukh Design, Simulation, Manufacturing: The Innovation Exchange, 213-222,2021

Development of technology of urban forwarding service of small consignment customers A Markevych, N Shramenko, M Moroz Norwegian Journal of development of the International Science, 54-58,2021

Methodology of costs assessment for customer transportation service of small perishable cargoes N Shramenko, D Muzylyov, V Shramenko International Journal of Business Performance Management 21 (1-2), 132-148,2020

Integrated business-criterion to choose a rational supply chain for perishable agricultural goods at automobile transportations D Muzylyov, N Shramenko, V Shramenko International Journal of Business Performance Management 21 (1-2), 166-183,2020

Simulation Model of the Process of Delivering Small Consignments in International Traffic Through the Terminal System. N Shramenko, V Shramenko ICST, 443-454,2020

Rationalization of Grain Cargoes Transshipment in Containers at Port Terminals: Technology Analysis and Mathematical Formalization N Shramenko, D Muzylyov, V Shramenko,96-105,2020

Model for choosing rational technology of containers transshipment in multimodal cargo delivery systems N Shramenko, D Muzylyov, V Shramenko New Technologies, Development and Application III 6, 621-629,2020

Management decision-making for logistics systems using a fuzzy-neural simulation D Muzylyov, N Shramenko, V Ivanov Advances in Industrial Internet of Things, Engineering and Management, 175-192,2021

Mathematical model of reverse loading advisability for trucks considering idle times D Muzylyov, N Shramenko New Technologies, Development and Application III 6, 612-620,2020

Service costs in operational planning of transportation with small batches of cargo in city N Shramenko, D Muzylyov, V Shramenko Design, Simulation, Manufacturing: The Innovation Exchange, 201-209,2020

CONSTRUCTION OF A SIMULATION MODEL FOR THE TRANSPORTATION OF PERISHABLE GOODS ALONG VARIABLE ROUTES. T Anufriyeva, V Matsiuk, N Shramenko, N Ilchenko, O Pryimuk, V Lebid Eastern-European Journal of Enterprise Technologies 122 (4),2023

Model of operational planning of freight transportation by tram as part of a green logistics system N Shramenko, A Merkisz-Guranowska, M Kiciński, V Shramenko Archives of Transport 63 (3), 113-122,2022

Simulation model for operational planning of city cargo transportation by trams in conditions of stochastic demand A Merkisz-Guranowska, N Shramenko, M Kiciński, V Shramenko Energies 16 (10), 4076,2023

Directions for quality assurance of specialists training in logistics and transport spheres from a competence approach perspective N Shramenko, D Muzylyov, V Shramenko, P Mazyliuk New Technologies, Development and Application III 6, 605-611,2020

Sustainable Mobility for the Sustainable Development of Modern Urban Agglomerations N Shramenko, C Hupfer, V Shramenko EAI International Conference on Smart Cities within SmartCity360° Summit, 31-43,2023

Features of Cargo Capacity Finding for Vehicles to Increase the Sustainability Level of Supply Chains D Muzylyov, N Shramenko, C Hupfer, J Trojanowska, P Trojanowski International Conference on Quality Innovation and Sustainability, 109-121,2023

Electric Cargo Bikes in Urban Logistics: Scenarios and Their Contribution to Sustainable Mobility N Shramenko, C Hupfer, V Shramenko, P Trojanowski EAI International Conference on Management of Manufacturing Systems, 3-17,2024

Green Logistics System: Cargo Bikes as an Alternative to Light Trucks N Shramenko, C Hupfer, V Shramenko, P Trojanowski Design, Simulation, Manufacturing: The Innovation Exchange, 449-461,2024

HONOURS AND AWARDS

[2010]

Diploma of the Ministry of Education and Science of Ukraine

[2008]

Diploma of the participant of the III regional competition "The Best Young Scientist of the Kharkiv Region"

[2009]

Honorary Certificate of the Ministry of Education and Science of Ukraine

[2010]

Diploma of the KhNADU for conscientious work, personal contribution to the training of highly qualified specialists and fruitful scientific and pedagogical activity

[2011]

Laureate of the President of Ukraine Award for Young Scientists 2011

[2012]

Diploma of the laureate (first place) of the Kyiv district of Kharkiv city competition "Young person of the year - 2012" in the nomination "Scientific activity"

[2012]

Cup for first place in the city competition of Kharkiv "Young Person of the Year - 2012" in the nomination "Scientific Activity"

[2014]

Certificate of Honor from the Administration of the Kyiv District of the Kharkiv City Council

[2016]

Award of the Ministry of Education and Science of Ukraine