

NEW HORIZONS 2025

X International Scientific Conference of Transport and Communications – TransportaCom

Faculty of Transport and Traffic Engineering Doboj, University of East Sarajevo



05-08.11.2025.



Faculty of Transport and Traffic Engineering Doboj, Vojvode Mišića 52,
74000 Doboj



The selected papers of the conference will be published in the **Lecture Notes in Intelligent Transportation and Infrastructure**, which is indexed by *Clarivate Analytics (Web of Science: Conference Proceedings)* and *SCOPUS*

The selected papers in extended versions will be recommended for publication in SCOPUS indexed journals:



International Journal of Transport Development and Integration (IJTDI)



Ingegneria Ferroviaria

ORGANIZER



**Faculty of Transport and Traffic Engineering
Doboj, University of East Sarajevo**

CO-ORGANIZERS



University of Novi Sad, Faculty of Technical Sciences, Serbia



Vilnius Gediminas Technical University, Faculty of Transport Engineering, Lithuania



University of Belgrade, Faculty of Transport and Traffic Engineering, Serbia



University of Pardubice, Faculty of Transport Engineering, Czech Republic



Technical University of Crete, School of Production Engineering and Management, Greece



University of KwaZulu-Natal, School of Engineering, Discipline of Civil Engineering, South Africa



Ondokuz Mayıs University, Engineering Faculty, Turkey



Maritime University of Szczecin, Faculty of Navigation, Poland



Georgian Technical University, Faculty of Transport Systems and Mechanical Engineering, Georgia



University ST. Kliment Ohridski, Faculty of Technical Sciences Bitola, North Macedonia



Faculty of Economic, Administration, and Social Sciences, Kadir Has University, Turkey



University of Priština in Kosovska Mitrovica, Faculty of Technical Sciences, Serbia



University of Sarajevo, Faculty of Transport and Communications, Bosnia and Herzegovina



University of Ljubljana, Faculty of Maritime Studies and Transport Communications, Slovenia



Transport and Telecommunication Institute, Latvia



MCKV Institute of Engineering, India



International Information and Engineering Technology Association (IIETA), Canada



International Society of Fuzzy Set Extensions and Applications (ISFSEA)



This Conference is supported by the European Platform of Transport Sciences

The conference will be held in a hybrid format: Physical (in-person) and online participation.

Dear Colleagues, Partners and Guests

It is our distinct pleasure to invite you to attend the X international conference of the first category NEW HORIZONS of Transport and Communications 2025 - TransportaCom. The Conference will be held on November 05-08, 2025 in Dobo, Republic of Srpska, Bosnia and Herzegovina, at the Faculty of Transport and Traffic Engineering, University of East Sarajevo. This year's conference is very special for us because we celebrate 20th anniversary (the conference is held biennially). Throughout the previous period, we worked hard in order to make our conference great and recognizable in the region. Accordingly, the conference attendees will have the chance to present their work on current hot and most important topics presented below.

LIST OF CONFERENCE TOPICS

Road Transport and Traffic

Traffic planning and design
Road traffic management
Road traffic safety
Road infrastructure
Sustainable transport and urban mobility
Transport policy and strategy
Maintenance and exploitation of vehicles in road traffic

Railway Transport

Railway transport systems
Advanced railway technologies
Railway transport infrastructure, planning and design
Modelling and simulation of railway transport
Transport policy and strategy
Energy efficiency and rail electrification

Logistics and supply chain management

City logistics
Intermodal transport, logistics centres and freight terminals
Green logistics and green supply chain management
Analysis of handling, and storage processes
Smart logistics, innovations in transport and logistics
Humanitarian logistics
Performance measures and efficiency analysis in logistics systems
Reverse logistics and closed-loop supply chains

Maritime Transport

Green shipping
Unmanned vehicles
Sustainability of maritime transport
Navigation and maritime communication
Ships and their systems
Offshore units
Smart port technologies

Transport of dangerous goods

Regulations on the transport of dangerous goods
Receipt and dispatch of dangerous substances
Handling and storage of dangerous goods
Risk management in transport of dangerous goods
Hazardous waste management

Information and communication technologies

Machine learning and artificial intelligence in transport
Autonomous vehicles and systems
Internet of things
Digitalization of transport
Industry 4.0
Intelligent transport systems
V2X communication

Telecommunication traffic and networks

Telecommunication traffic management
Telecommunications market analysis and modelling
Telecommunications network and service optimization
Teletraffic engineering
Quality of Service
Quality of Experience
Wireless networks and services
Optical networking

Postal traffic and networks

Postal traffic regulation and marketing
Postal traffic management
Postal market analysis and modelling
Postal network and service optimization
Energy efficiency in postal systems
Postal service quality
E-commerce

Operations research in transport

Measuring transport efficiency
Fuzzy logic in transport
Decision-making models in transport
Application of mathematical programming in transport
Queueing theory in transport and traffic

IMPORTANT DATES

Papers for **Springer Proceedings**
PAPER SUBMISSION DEADLINE 01.07.2025

20.07.2025

NOTIFICATION TO AUTHORS

05.08.2025

REVISED PAPER SUBMISSION DEADLINE

20.08.2025

CONFERENCE FEE PAYMENT DEADLINE

15.09.2025

Papers for Proceedings
PAPER SUBMISSION DEADLINE

05.09.2025

NOTIFICATION TO AUTHORS

20.09.2025

REVISED PAPER SUBMISSION DEADLINE

05.10.2025

CONFERENCE FEE PAYMENT DEADLINE

20.10.2025

PROGRAM COMMITTEE

Dr. **Željko Stević**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**, chairman

Prof. **Edmundas Kazimieras Zavadskas**, Vilnius Gediminas Technical University, Institute of Sustainable Construction, **Lithuania**

Prof. **Radu-Emil Precup**, Politehnica University of Timisoara, Faculty of Automation and Computers, **Romania**

Prof. **Zenonas Turskis**, Vilnius Gediminas Technical University, Faculty of Civil Engineering, **Lithuania**

Prof. **Janusz Kacprzyk**, Polish Academy of Science, Systems Research Institute, **Poland**

Prof. **Markos Papageorgiou**, Technical University of Crete, School of Production Engineering and Management, **Greece**

Prof. **Mario Cools**, University of Liège, Faculty of Applied Sciences, **Belgium**

Prof. **Nebojša Arsić**, University of Priština Sciences in Kosovska Mitrovica, Faculty of Technical Sciences, **Serbia**

Prof. **Michalis Douplos**, Technical University of Crete, School of Production Engineering and Management, **Greece**

Prof. **Olegas Prentkovskis**, Vilnius Gediminas Technical University, Faculty of Transport Engineering, **Lithuania**

Prof. **Ioannis Papamichail**, Technical University of Crete, School of Production Engineering and Management, **Greece**

Prof. **Prasenjit Chatterjee**, MCKV Institute of Engineering, Department of Mechanical Engineering, **India**

Prof. **Mohamed Kchaou**, University of Bisha, College of Engineering, **Saudi Arabia**

Prof. **Bright Glen**, University of KwaZulu-Natal, School of Engineering, Discipline of Civil Engineering, **South Africa**

Prof. **Yannis Marinakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**

Prof. **Ilija Tanackov**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**

Prof. **Borna Abramović**, University of Zagreb, Faculty of Transport and Traffic Sciences, **Croatia**

Prof. **Gordan Stojić**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**

Prof. **Georgios Stavroulakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**

Prof. **Snežana Tadić**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**

Prof. **Stefano Ricci**, La Sapienza Università di Roma, Rome, **Italy**

Prof. **Siniša Sremac**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**

Prof. **Marko Vasiljević**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**

Prof. **Svetla Stoilova**, Technical University of Sofia, Faculty of Transport, **Bulgaria**

Prof. **Jordan Radosavljević**, University of Priština Sciences in Kosovska Mitrovica, Faculty of Technical Sciences, **Serbia**

Prof. **Irina Jackiva**, Transport and Telecommunication Institute, Engineering Faculty, **Latvia**

Prof. **Slađana Janković**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**

Prof. **Draženko Glavić**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**

Prof. **Branko Blanuša**, University of Banja Luka, Faculty of Electrical Engineering, **Bosnia and Herzegovina**

Prof. **Branislav Bošković**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**

Prof. **Vuk Bogdanović**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**

Dr. **Golam Kabir**, University of Regina, Industrial Systems Engineering, **Canada**

Dr. **Morteza Yazdani**, Universidad Internacional de Valencia-VIU, **Spain**

Dr. **Muhammet Deveci**, Imperial College London, Royal School of Mines, **United Kingdom**

Dr. **Sarfraz Hashemkhani Zolfani**, Universidad Católica del Norte, **Chile**

Dr. **Dragan Marinković**, Technische Universität Berlin, Faculty of Mechanical and Transport Systems, **Germany**

Dr. **Tapan Senapati**, Southwest University, School of Mathematics and Statistics, **China**

Dr. **Asad Khattak**, Zayed University, College of Technological Innovation, **United Arab Emirates**

Dr. **Raman Kumar**, Guru Nanak Dev Engineering College, Department of Mechanical and Production Engineering, **India**

Dr. **Seyyed Ahmad Edalatpanah**, Ayandegan Institute of Higher Education, **Iran**

Dr. **Hamed Fazlollahtabar**, Damghan University, School of Engineering, Department of Industrial Engineering, **Iran**

Dr. **Sarbast Moslem**, University of Dublin, Trinity College Dublin, Centre for Transport Research, Department of Civil, Structural and Environmental Engineering, **Ireland**

Dr. **Salvatore Antonio Biancardo**, University of Naples Federico II, Department of Civil, Construction and Environmental Engineering, **Italy**

Dr. **Aleksandar Stevanović**, University of Pittsburgh, Civil and Environmental Engineering, **USA**

Dr. **Violeta Roso**, Chalmers University of Technology, Department of Technology Management and Economics, **Sweden**

Dr. **Do Duc Trung**, Hanoi University of Industry, School of Mechanical and Automotive Engineering, **Vietnam**

Dr. **Ibrahim Ahmed Badi**, Libyan Academy, School of Engineering and Applied Sciences, **Libya**

Dr. **Gholamreza Haseli**, Tecnológico de Monterrey, School of Engineering and Sciences, **Mexico**

Dr. **Ömer Faruk Görçün**, Kadir Has University, Faculty of Economic, Administration, and Social Sciences, Department of Business Administration, **Turkey**

Dr. **JongRoul Woo**, Korea University, Department of Integrative Energy Engineering, **South Korea**

Dr. **Muhammad Lawan Jibril**, Bayero University, Faculty of Computing, **Nigeria**

Dr. **Marko Perkovič**, University of Ljubljana, Faculty of Maritime Studies and Transport, **Slovenia**

Dr. **Nikolas Thomopoulos**, University of Surrey, Department of Tourism & Transport, **United Kingdom**

Dr. **Hubert Anyasz**, Warsaw University of Technology, Faculty of Civil Engineering, **Poland**

Dr. **Evelin Krmac**, University of Ljubljana, Faculty of Maritime Studies and Transport, **Slovenia**

Dr. **Ágota Drégelyi-Kiss**, Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering, **Hungary**

Dr. **Stefan Jovčić**, University of Pardubice, Faculty of Transport Engineering, **Czech Republic**

Dr. **Man Li**, Beijing Jiaotong University, School of Traffic and Transportation, **China**

Dr. **Zhiyuan Wang**, Singapore University of Social Science, School of Business, **Singapore**

Dr. **Peter Marton**, University of Žilina, Faculty of Management Science and Informatics, **Slovakia**

Dr. **Mahmut Baydas**, Necmettin Erbakan University, Faculty of Applied Sciences, **Turkey**

Dr. **Paweł Zalewski**, Maritime University of Szczecin, Faculty of Navigation, **Poland**
Dr. **Clement Kiprotich Kiptum**, School of Engineering, University of Eldoret, **Kenya**
Dr. **Maciej Gucma**, Maritime University of Szczecin, Faculty of Navigation, **Poland**
Dr. **Mirko Stojčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**
Dr. **Metin Mutlu Aydın**, Ondokuz Mayıs University, Engineering Faculty, **Turkey**
Dr. **Aleksandar Stjepanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**
Dr. **Boško Matović**, Faculty of Mechanical Engineering, University of Montenegro, **Montenegro**
Dr. **Algimantas Danilevičius**, Vilnius Gediminas Technical University, Faculty of Transport Engineering, **Lithuania**
Dr. **Sabahudin Vrtačić**, American University of The Middle East, College of Engineering and Technology, **Kuwait**

ORGANIZING COMMITTEE

Dr. **Miroslav Kostadinović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **dean and chairman**
Prof. **Ratko Đuričić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Prof. **Marko Subotić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Prof. **Perica Gojković**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Prof. **Marko Vasiljević**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Prof. **Mesud Ajanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Dr. **Živko Erceg**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Dr. **Aleksandar Stjepanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Dr. **Goran Jauševac**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Dr. **Goran Kuzmić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

INTERNATIONAL ORGANIZING COMMITTEE

Dr. **Aleksandra Petrović**, University of Priština Sciences in Kosovska Mitrovica, Faculty of Technical Sciences, **Serbia, chair**
Dr. **Kinga Łazuga**, Maritime University of Szczecin, Faculty of Navigation, **Poland**
Dr. **Vladimir Momčilović**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**
Dr. **Irine Ugrekhelidze**, Georgian Technical University, Faculty of Transport Systems and Mechanical Engineering, **Georgia**
Dr. **Marko Veličković**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**
Dr. **Konstantinos Marakakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**
Dr. **Dillip Kumar Das**, University of Kwazulu Natal, School of Engineering, Sustainable Transportation Research Group, Civil Engineering, **South Africa**
Dr. **Durmuş Özkan Şahin**, Ondokuz Mayıs University, Engineering Faculty, **Turkey**
Dr. **Mohamed Mostafa**, University of Kwazulu Natal, School of Engineering, Sustainable Transportation Research Group, Civil Engineering, **South Africa**
Dr. **Mehmet Nafiz Aydın**, Kadir Has University, Department of Management Information Systems, **Turkey**
Dr. **Jasmina Talevska Bunevska**, Univeristy ST. Kliment Ohridski, Faculty of Technical Sciences Bitola, **North Macedonia**

SECRETARIAT

Dr. **Nataša Đalić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **chair**
Dr. **Mirko Stojčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Dr. **Dunja Radović Stojčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Tanja Petrović, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Vladimir Malčić, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Sanja Simić, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Miroslav Pavlović, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Eldina Huskanović, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Milan Eremija, University of East Sarajevo, Faculty of Transport and Traffic Engineering
Svetko Milutinović, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PLENARY SPEAKERS

Investigating Impacts of Connected Vehicle Communications in Multimodal Environment through High-Fidelity Virtual Reality Modeling

Dr. **Aleksandar Stevanović**, University of Pittsburgh, Civil and Environmental Engineering, **USA**

Maas Personalization: Making public transport more convenient for everyone

Prof. **Irina Jackiva**, Transport and Telecommunication Institute, Engineering Faculty, **Latvia**

Structural Digital Twins for Vehicles and Infrastructure: Technology Review and Contributions to Safety

Prof. **Georgios Stavroulakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**

PAPER SUBMISSION

- The Conference Programme Committee has the honor to invite you to submit your abstracts and full papers using [OpenConf](#).
- Authors are invited to submit papers with a length of 6-10 pages in **English language** which is the official language of the scientific conference.
- All submitted papers are subject to the peer review process. At least two reviewers will be assigned to review each paper.
- Each author may submit no more than two papers.
- Each paper must be presented at the conference in order to be published in Proceedings, either live or online.
- **Best Paper Awards** - The purpose of the Best Paper Award is to recognize and promote quality contributions to academic research and writing among scholars. The Program Committee will make a selection of nine best papers, one per each section. The author of an awarded paper, and co-authors if any, will be entitled to:

A signed and stamped official award certificate with the name of the award, the name of the paper, and the names of the authors of the paper.

It's free of charge to publish the selected best papers in Lecture Notes in Intelligent Transportation and Infrastructure.

CONFERENCE FEES

	Fee for domestic authors	200 BAM
	Fee for foreign authors	150 EUR
	Fee for authors from co-organizer's institutions	100 EUR
	Fee for online presented papers	100 EUR
	Fee for PhD students	80 EUR
	Fee for participants without paper	50 EUR (100 BAM)
	Fee for students I and II cycle of study	free of charge

Fee includes: attendance of all authors/ co-authors to all conference sessions, publishing of the paper in electronic format, coffee breaks, printed conference program, certificate, and gala dinner.

Only if more than half authors are from the University of East Sarajevo the paper will be free of charge.

– A PhD student must be the first author to be eligible for the PhD student fee of 80 EUR.

– Participants without the paper are welcome to register. The fee for them doesn't include gala dinner. In case you would like to attend the gala dinner it is necessary to pay an additional fee.

- Publishing the selected papers in SPRINGER will require an additional fee of 150 euros.
- Members of the Program Committee and reviewers can apply for reduced fees.



In accordance with the Conference policy, only papers presented during the Conference, whether in-person or online, will be considered for publication. Papers not presented will not be included in the Conference Proceedings.

If you have any questions, please contact us novihorizonti@sf.ues.rs.ba

PAYMENT INSTRUCTIONS IN BAM

PAYMENT INSTRUCTIONS IN EUR

List of correspondent banks (if necessary), only for foreign payments.

<u>CONTACT</u>	
Faculty of Transport and Traffic Engineering Dobo University of East Sarajevo	
Address:	Vojvode Mišića 52 74000 Dobo, Republika of Srpska, Bosnia and Herzegovina
	+387 66 795 413
Fax:	+387 53 200 103
Web:	http://novihorizonti.sf.ues.rs.ba/
	novihorizonti@sf.ues.rs.ba

