

NEW HORIZONS 2025

X International Scientific Conference of Transport and Communications

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



05-08.11.2025.



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

ORGANIZER



Faculty of Transport and Traffic Engineering Doboј, 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 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



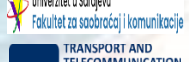
Univeristy ST. Kliment Ohridski, Faculty of Technical Sciences Bitola, North Macedonia



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



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



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)



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



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

The conference will be held in a hybrid type: Physical (in-person) and online (virtual) 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'. The Conference will be held on November 05-08, 2025 in Dobož, 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. 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

- Sustainable transport and urban mobility
- Vehicles Engineering
- Autonomous Vehicles and Systems
- Application of machine learning, and artificial intelligence in transport
- Fuzzy logic in transport
- Digitalization of transport
- Traffic safety
- Transport of dangerous goods
- Roads, traffic infrastructure, and regulation
- Logistics and supply chain management
- Telecommunication traffic and networks
- Postal traffic and networks
- Information and communication technologies and traffic
- Smart cities
- Transport policy and strategy
- Railway Transport
- Maritime Transport
- Air Transport
- Intermodal transport
- Operations research in transport and communications
- Transport efficiency
- Industry 4.0

IMPORTANT DATES

| | |
|---------------------------------|------------|
| ABSTRACT SUBMISSION DEADLINE | 20.05.2025 |
| PAPER SUBMISSION DEADLINE | 01.07.2025 |
| NOTIFICATION TO AUTHORS | 01.09.2025 |
| FINAL PAPER SUBMISSION DEADLINE | 20.09.2025 |
| CONFERENCE FEE PAYMENT DEADLINE | 20.10.2025 |

PROGRAM COMMITTEE

- PhD **Željko Stević**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**, **h-index=40** [SCOPUS](#), [chairman](#)
- PhD **Edmundas Kazimieras Zavadskas**, Vilnius Gediminas Technical University, Institute of Sustainable Construction, **Lithuania**, **h-index=107** [SCOPUS](#)
- PhD **Radu-Emil Precup**, Politehnica University of Timisoara, Faculty of Automation and Computers, **Romania**, **h-index=69** [SCOPUS](#)
- PhD **Zenonas Turskis**, Vilnius Gediminas Technical University, Faculty of Civil Engineering, **Lithuania**, **h-index=69** [SCOPUS](#)
- PhD **Markos Papageorgiou**, Technical University of Crete, School of Production Engineering and Management, **Greece**, **h-index=67** [SCOPUS](#)
- PhD **Muhammet Deveci**, Royal School of Mines, Imperial College London, **United Kingdom**, **h-index=48** [SCOPUS](#)
- PhD **Michalis Doumpos**, Technical University of Crete, School of Production Engineering and Management, **Greece**, **h-index=47** [SCOPUS](#)
- PhD **Ioannis Papamichail**, Technical University of Crete, School of Production Engineering and Management, **Greece**, **h-index=39** [SCOPUS](#)
- PhD **Prasenjit Chatterjee**, MCKV Institute of Engineering, Department of Mechanical Engineering, **India**, **h-index=38** [SCOPUS](#)
- PhD **Golam Kabir**, University of Regina, Industrial Systems Engineering, **Canada**, **h-index=38** [SCOPUS](#)
- PhD **Morteza Yazdani**, Universidad Internacional de Valencia-VIU, **Spain**, **h-index=37** [SCOPUS](#)
- PhD **Yannis Marinakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**, **h-index=37** [SCOPUS](#)

PhD **Sarfaraz Hashemkhani Zolfani**, Universidad Católica del Norte, **Chile**, **h-index=36** [SCOPUS](#)
PhD **Mario Cools**, University of Liège, Faculty of Applied Sciences, **Belgium**, **h-index=31** [SCOPUS](#)
PhD **Dragan Marinković**, Faculty of Mechanical and Transport Systems, Technische Universität Berlin, **Germany**, **h-index=31** [SCOPUS](#)
PhD **Georgios Stavroulakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**, **h-index=31** [SCOPUS](#)
PhD **Tapan Senapati**, Southwest University, School of Mathematics and Statistics, **China**, **h-index=30** [SCOPUS](#)
PhD **Asad Khattak**, Zayed University, College of Technological Innovation, **United Arab Emirates**, **h-index=28** [SCOPUS](#)
PhD **Raman Kumar**, Guru Nanak Dev Engineering College, Department of Mechanical and Production Engineering, **India**, **h-index=29** [SCOPUS](#)
PhD **Seyyed Ahmad Edalatpanah**, Ayandegan Institute of Higher Education, **Iran**, **h-index=28** [SCOPUS](#)
PhD **Olegas Prentkovskis**, Vilnius Gediminas Technical University, Faculty of Transport Engineering, **Lithuania**, **h-index=26** [SCOPUS](#)
PhD **Hamed Fazlollahtabar**, Department of Industrial Engineering, School of Engineering Damghan University, **Iran**, **h-index=26** [SCOPUS](#)
PhD **Sarbast Moslem**, Centre for Transport Research, Department of Civil, Structural and Environmental Engineering, Trinity College Dublin, The University of Dublin, **Ireland**, **h-index=25** [SCOPUS](#)
PhD **Salvatore Antonio Biancardo**, University of Naples Federico II, Department of Civil, Construction and Environmental Engineering, **Italy**, **h-index=23** [SCOPUS](#)
PhD **Mohamed Kchaou**, University of Bisha, College of Engineering, **Saudi Arabia**, **h-index=20** [SCOPUS](#)
PhD **Aleksandar Stevanović**, University of Pittsburgh, Civil and Environmental Engineering, **USA**, **h-index=19** [SCOPUS](#)
PhD **Bright Glen**, University of KwaZulu-Natal, School of Engineering, Discipline of Civil Engineering, **South Africa**, **h-index=18** [SCOPUS](#)
PhD **Violeta Roso**, Department of Technology Management and Economics, Chalmers University of Technology, **Sweden**, **h-index=18** [SCOPUS](#)
PhD **Do Duc Trung**, Hanoi University of Industry, School of Mechanical and Automotive Engineering, **Vietnam**, **h-index=18** [SCOPUS](#)
PhD **Ibrahim Ahmed Badi**, School of Engineering and Applied Sciences, Libyan Academy, **Libya**, **h-index=18** [SCOPUS](#)
PhD **Ilija Tanackov**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**, **h-index=17** [SCOPUS](#)
PhD **Gholamreza Haseli**, Tecnológico de Monterrey, School of Engineering and Sciences, **Mexico**, **h-index=17** [SCOPUS](#)
PhD **Ömer Faruk Görçün**, Department of Business Administration, Faculty of Economic, Administration, and Social Sciences, Kadir Has University, **Turkey**, **h-index=17** [SCOPUS](#)
PhD **JongRoul Woo**, Korea University, Department of Integrative Energy Engineering, **South Korea**, **h-index=17** [SCOPUS](#)
PhD **Borna Abramović**, University of Zagreb, Faculty of Transport and Traffic Sciences, **Croatia**, **h-index=16** [SCOPUS](#)
PhD **Snežana Tadić**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**, **h-index=16** [SCOPUS](#)
PhD **Jordan Radosavljević**, University of Priština Sciences in Kosovska Mitrovica, Faculty of Technical Sciences, **Serbia**, **h-index=15** [SCOPUS](#)
PhD **Muhammad Lawan Jibril**, Bayero University, Faculty of Computing, **Nigeria**, **h-index=15** [SCOPUS](#)
PhD **Nikolas Thomopoulos**, University of Surrey, Department of Tourism & Transport, **United Kingdom**, **h-index=15** [SCOPUS](#)
PhD **Siniša Sremac**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**, **h-index=12** [SCOPUS](#)
PhD **Marko Vasiljević**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**, **h-index=12** [SCOPUS](#)
PhD **Gordan Stojić**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**, **h-index=11** [SCOPUS](#)
PhD **Svetla Stoilova**, Technical University of Sofia, Faculty of Transport, **Bulgaria**, **h-index=11** [SCOPUS](#)
PhD **Hubert Anysz**, Warsaw University of Technology, Faculty of Civil Engineering, **Poland**, **h-index=11** [SCOPUS](#)
PhD **Evelin Krmac**, University of Ljubljana, Faculty of Maritime Studies and Transport, **Slovenia**, **h-index=10** [SCOPUS](#)
PhD **Nebojša Arsić**, University of Priština Sciences in Kosovska Mitrovica, Faculty of Technical Sciences, **Serbia**, **h-index=10** [SCOPUS](#)
PhD **Ágota Drégelyi-Kiss**, Bánki Donát Faculty of Mechanical and Safety Engineering, Óbuda University, **Hungary**, **h-index=10** [SCOPUS](#)
PhD **Stefan Jovčić**, University of Pardubice, Faculty of Transport Engineering, **Czech Republic**, **h-index=9** [SCOPUS](#)
PhD **Irina Jackiva**, Transport and Telecommunication Institute, Engineering Faculty, **Latvia**, **h-index=9** [SCOPUS](#)
PhD **Draženko Glavić**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**, **h-index=9** [SCOPUS](#)
PhD **Man Li**, Beijing Jiaotong University, School of Traffic and Transportation, **China**, **h-index=8** [SCOPUS](#)
PhD **Zhiyuan Wang**, DigiPen Institute of Technology, Department of Computer Science, **Singapore**, **h-index=8** [SCOPUS](#)
PhD **Vuk Bogdanović**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**, **h-index=6** [SCOPUS](#)
PhD **Peter Marton**, University of Žilina, Faculty of Management Science and Informatics, **Slovakia**, **h-index=6** [SCOPUS](#)
PhD **Mahmut Baydas**, Necmettin Erbakan University, Faculty of Applied Sciences, **Turkey**, **h-index=6** [SCOPUS](#)
PhD **Paweł Zalewski**, Maritime University of Szczecin, Faculty of Navigation, **Poland**, **h-index=6** [SCOPUS](#)
PhD **Clement Kiprotich Kiptum**, School of Engineering, University of Eldoret, **Kenya**, **h-index=6** [SCOPUS](#)
PhD **Maciej Gucma**, Maritime University of Szczecin, Faculty of Navigation, **Poland**, **h-index=6** [SCOPUS](#)
PhD **Mirko Stojčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**, **h-index=6** [SCOPUS](#)
PhD **Metin Mutlu Aydın**, Ondokuz Mayıs University, Engineering Faculty, **Turkey**, **h-index=6** [SCOPUS](#)
PhD **Aleksandar Stjepanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **Bosnia and Herzegovina**, **h-index=6** [SCOPUS](#)
PhD **Boško Matović**, Faculty of Mechanical Engineering, University of Montenegro, **Montenegro**, **h-index=6** [SCOPUS](#)

PhD **Sabahudin Vrtađić**, American University of The Middle East, College of Engineering and Technology, **Kuwait**, **h-index=5** [SCOPUS](#)

PhD **Algimantas Danilevičius**, Vilnius Gediminas Technical University, Faculty of Transport Engineering, **Lithuania**, **h-index=5** [SCOPUS](#)

PhD **Slađana Janković**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**, **h-index=5** [SCOPUS](#)

PhD **Branislav Bošković**, University of Belgrade, Faculty of Transport and Traffic Engineering, **Serbia**, **h-index=5** [SCOPUS](#)

ORGANIZING COMMITTEE

PhD **Miroslav Kostadinović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **dean and chairman**

PhD **Ratko Đuričić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Marko Subotić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Perica Gojković**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Marko Vasiljević**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Mesud Ajanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Živko Erceg**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Aleksandar Stjepanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Goran Jauševac**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Goran Kuzmić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

INTERNATIONAL ORGANIZING COMMITTEE

PhD **Aleksandra Petrović**, University of Priština Sciences in Kosovska Mitrovica, Faculty of Technical Sciences, **Serbia**, **chair**

PhD **Kinga Łazuga**, Maritime University of Szczecin, Faculty of Navigation, **Poland**

PhD **Irine Ugrehelidze**, Georgian Technical University, Faculty Transport Systems and Mechanical Engineering, **Georgia**

PhD **Marko Veličković**, University of Novi Sad, Faculty of Technical Sciences, **Serbia**

PhD **Konstantinos Marakakis**, Technical University of Crete, School of Production Engineering and Management, **Greece**

PhD **Dillip Kumar Das**, Sustainable Transportation Research Group, Civil Engineering, School of Engineering, University of Kwazulu Natal, **South Africa**

PhD **Durmuş Özkan Şahin**, Ondokuz Mayıs University, Engineering Faculty, **Turkey**

PhD **Mohamed Mostafa**, Sustainable Transportation Research Group, Civil Engineering, School of Engineering, University of Kwazulu Natal, **South Africa**

PhD **Mehmet Nafiz Aydın**, Kadir Has University, Department of Management Information Systems, **Turkey**

PhD **Jasmina Talevska Bunevska**, Univeristy ST. Kliment Ohridski, Faculty of Technical Sciences Bitola, **North Macedonia**

SECRETARIAT

PhD **Nataša Đalić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering, **chair**

PhD **Mirko Stojčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

PhD **Dunja Radović Stojčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

MSc **Tanja Petrović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

MSc **Vladimir Malčić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

MSc **Sanja Simić**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

MSc **Miroslav Pavlović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

MSc **Eldina Huskanović**, University of East Sarajevo, Faculty of Transport and Traffic Engineering

MSc **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 (Will be updated)

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

PhD **Aleksandar Stevanović**, University of Pittsburgh, Civil and Environmental Engineering, **USA**, **h-index=19** [SCOPUS](#)

Maas Personalization: Making public transport more convenient for everyone

PhD **Irina Jackiva**, Transport and Telecommunication Institute, Engineering Faculty, **Latvia**, **h-index=8** [SCOPUS](#)

PAPER SUBMISSION

- The Conference Programme Committee has the honor to invite you to submit your abstracts and full papers using [OpenConf](#).
- All information on the process of submitting papers will be available on the Conference website.
- 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.
- Selected papers in extended versions will be recommended for publication in SCOPUS indexed journal – [International Journal of Transport Development and Integration \(IJTDI\)](#). Authors of selected papers will receive a discount in APC for publication in this journal.
- The Selected papers of the conference potentially can be published in Springer which is indexed by *Clarivate Analytics (Web of Science: Conference Proceedings)*. The current status of the application to Springer is under review).
- Each paper must be presented at the conference to be published in Proceeding, either live or online.

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 of the paper to all conference sessions, publishing of the paper in electronic format, coffee breaks, printed conference program, certificate, and gala dinner.

- Only if all authors are from the University of East Sarajevo the paper will be free of charge.
- PhD student must be the first author to be charged fees of 80 EUR.
- Participants without the paper are welcome to register. The fee for them doesn't include a gala dinner. In case you would like to attend to gala dinner need to pay an additional fee.
- In case the application to Springer (WoS) is approved, publishing the selected papers 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.](#)

CONTACT

Faculty of Transport and Traffic Engineering Doboј

University of East Sarajevo

Address: Vojvode Mišića 52
74000 Doboј,
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

