



## CONFERENCE: TRANSPORT & LOGISTICS 2026

Hotel Ambassador, Opatija, 16-17. April, 2026

**Organizers: University of Applied Sciences of Rijeka and the Croatian Scientific Society for Transport**

**The conference is held under the sponsorship of the Ministry of Sea, Transport and Infrastructure of the Republic of Croatia.**

Official language at the Conference: Croatian/English

### CONFERENCE PROGRAMME

#### DAY 1 PROGRAMME

**VENUE: HOTEL AMBASADOR, OPATIJA 16th April 2026**

**08:30 – 09:30**

Participant registration

**09:30 – 10:15**

Ceremonial opening of the Conference

**The conference will be announced and moderate by Mislav Togonal**

**Welcome speech:**

- 1. Bojan Hlača, Croatian Scientific Society for Transport, President**
- 2. Marino Golob, Dean, University of Applied Sciences of Rijeka**
- 3. Fernando Kirigin, Mayor, City of Opatija**
- 4. Iva Rinčić, Mayor, City of Rijeka**
- 5. Ivica Lukanović, Prefect, Primorje-Gorski Kotar County**
- 6. Goran Hauser, Rector, University of Rijeka**
- 7. Oleg Butković, Deputy Prime Minister of the Republic of Croatia**

**10:15 – 10:30**

Invited lecture 1

**„Investments in transport infrastructure by the Government of the Republic of Croatia“**

**Oleg Butković, Deputy Prime Minister and Minister of the Sea, Transport and Infrastructure of the Republic of Croatia**

**10:30 – 10.45**  
Invited lecture 2

**„The Strategic Role of the Port of Rijeka in the Transport System of Croatia and Europe“**

**Marko Šoštarić, Dean of Faculty of Transport and Traffic Sciences**

**10:45 – 11:00**  
Invited lecture 3

**„Port of Rijeka system as an important logistics link“**

**Denis Vukorepa, Executive Director Port of Rijeka Authority**

**11:00 – 11:15**  
Invited lecture 4

**„Key role of Jadrolinija in maritime transport sector in Croatia“**

**Robert Blažinović, CEO, Jadrolinija**

**11.15 – 11.30**  
Cofee break

**11:30 – 12:30**  
**PANEL DISCUSSION: Port of Rijeka in the New Global Logistics**

**Panelists:**

- 1. Inigo Nunez Mendibe, CEO Adriatic Gate Container Terminal**
- 2. Peter Corfitsen, CEO Rijeka Gateway Container Terminal**
- 3. Denis Vukorepa, Executive Director, Port of Rijeka Authority**
- 4. Zrinka Hauser, Supply Chain Director, Jadran Galenski Laboratorij (JGL)**
- 5. Petar Glavaš, Board Member and Director, ENNA Transport**

**The panel discussion moderate by Mislav Togonal**

**12:30 – 12:45**

**Drago Pupavac, Secretary General of the Croatian Scientific Society for Transport**

Short book promotion, Učur, M. (2025). Radnopravni status lučkih radnika (Labor low status of port workers), ZIRS, d.o.o., Zagreb

**12:45 – 13:45**  
**Lunch**

**13:45 – 14:00**

Invited lecture 5

Sven Maričić, University of Rijeka, Faculty of Medicine - Center for biomodeling and innovations in medicine, University of Juraj Dobrila in Pula

**14:00 – 14:48**

## **SESSION 1: TRANSPORT INFRASTRUCTURE, PORTS AND LOGISTICS CORRIDORS**

**14:00 – 14:12**

### **The Development of Transport Infrastructure in Montenegro as a Prerequisite for the Valorization of the Port of Bar**

Mimo Draskovic, Faculty of Maritime Studies Kotor, University of Montenegro

Dalibor Pelevic, MSC Montenegro

Tilia Lazarevic, Faculty of Maritime Studies Kotor, University of Montenegro

**14:12 – 14:24**

### **Electrification of Quays and Green Port Design: Methods and Uncertainties in Emissions Estimation**

Cristiano Marinacci

Stefano Ricci

Sapienza University of Rome, Development and Innovation in Transport Systems, Italy

**14:24 – 14:36**

### **Digital Twin Framework for Container Transport across a Network of Control Towers: Case Study of the Atlantic Corridor**

João Lemos Nabais

Raquel Ferreira Pereira

Carlos Batista

Instituto Politécnico de Setúbal, Business School, Portugal

**14:36 – 14:48**

### **Global Logistics Performance Under Disruption Risk in Emerging Economies: The Role of Infrastructure and Customs Efficiency**

Md Mizanur Rahman, Chang'an University, China

Edvard Tijan, Faculty of Maritime Studies, University of Rijeka, Croatia

Tahmina Begum, Chang'an University, China

**14:48 – 15:48**

## **SESSION 2: DIGITALIZATION, CIRCULAR ECONOMY AND SUPPLY CHAIN RESILIENCE**

**14:48 – 15:00 (online)**

### **An Application of MCDM Methods for Ranking Organizational Barriers to the Adoption of Digital Technologies in Logistics Enterprises**

Selcuk Korocuk, Giresun University, Türkiye

Ahmet Aytakin, Samsun University, Türkiye

**15:00 – 15:12**

**Selection of Digital Technologies for Data Management in Supply Chains Based on the**

**MCDM Approach**

Mia Poledica, University of Rijeka, Faculty of Tourism and Hospitality Management,  
Department of Sustainable Development Management, Rijeka, Croatia

Mladen Božić, University of Belgrade, Faculty of Transport and Traffic Engineering,  
Department of Logistics, Belgrade, Serbia

**15:12 – 15:24**

**Choosing a Procurement Strategy in Conditions of Supply Disruptions: A Contingency  
Matching Framework**

Uroš Kramar

Borut Jereb

Mirjana Lazarević

University of Maribor, Faculty of Logistics, Celje, Slovenia

**15:24 – 15:36**

**The Role of Logistics in the Circular Economy: A Quantitative Approach to the  
Efficiency of Reverse Flows**

Drago Pupavac

University of Applied Sciences of Rijeka, Croatia

**15:36 – 15:48**

**Weather Risk in Food Supply Chains: A Systematic Literature Review and Research  
Agenda**

Ivana Štulec

Kristina Petljak

Sanda Soucie

Faculty of Economics and Business, University of Zagreb, Croatia

**15:48 – 16:00**

**Coffee Break**

**16:00 – 17:00**

**SESSION 3: RISKS AND SAFETY IN TRANSPORT**

**16:00 – 16:12**

**Methodological Approach to Risk Assessment of the Transport of Dangerous Goods**

Aleksandar Gošić, Academy of Technical and Art Applied Studies Belgrade, Department of  
Railway Transport, Belgrade, Serbia

Siniša Sremac, Faculty of Technical Sciences, University of Novi Sad, Novi Sad, Serbia

Aleksandar Cakić, Academy of Technical and Art Applied Studies Belgrade, Department of  
Railway Transport, Belgrade, Serbia

Lazar Stojanović, Academy of Technical and Art Applied Studies Belgrade, Department of  
Railway Transport, Belgrade, Serbia

**16:12 – 16:24**

**Causes and Risk Factors in the Transport of Military Equipment: Statistical Analysis, Field Challenges, and the Digital Transformation of Military Training**

Neven Lukina, Croatian Military Academy “Dr. Franjo Tuđman”, Zagreb, Croatia  
Ljudevit Krpan, Department for Regional Development, Infrastructure and Project Management of the Primorje-Gorski Kotar County and University North, Koprivnica, Croatia  
Tanja Poletan Jugović, Faculty of Maritime Studies, University of Rijeka, Croatia  
Siniša Vilke, Faculty of Maritime Studies, University of Rijeka, Croatia

**16:24 – 16:36**

**Assessment of the Safety Level of Railway Undertakings Using a Hybrid FUCOM–DEA Approach**

Sandra Kasalica, Academy of Technical and Art Applied Studies Belgrade, Department of Railway Transport, Belgrade, Serbia  
Dimitrije Blagojević, Ministry of Defence of Bosnia and Herzegovina, Sarajevo, Bosnia and Herzegovina  
Marko Blagojević, Modriča Oil Refinery, Modriča, Bosnia and Herzegovina

**16:36 – 16:48**

**The Role of Marketing in Shaping User Perceptions of Safety in Rail and Road Transport: Communication Strategies and Trust Factors**

Filip Marković  
Academy of Technical and Art Applied Studies Belgrade, Department of Railway Transport, Belgrade, Serbia

**16:48 – 17:00**

**A Vision Zero-Based Risk Framework for Regional Road Safety Assessment: A Comparative Study of Three Counties in Northern Croatia**

Nives Domjan Kačarević  
Ante Klečina  
Ivan Cvitković  
University North, Croatia  
Robert Maršanić  
County Road Administration of the Primorje-Gorski Kotar County and University North, Croatia

**17:00 – 18:12**

**SESSION 4: SUSTAINABLE MOBILITY, RAILWAY SYSTEMS AND TECHNICAL SOLUTIONS**

**17:00 – 17:12**

**Determinants of a Sustainable and Attractive Railway Tourism Experience**

Danijel Drpić  
Libertas International University, Zagreb, Croatia  
Sanja Raspor Janković  
University of Applied Sciences of Rijeka, Croatia

**17:12 – 17:24**

**Pros and Cons of a Unified Track Access Charging System for a Rail Freight Corridor**

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

Vladimir Malčić, University of East Sarajevo, Faculty of Transport and Traffic Engineering,  
Doboj, Bosnia and Herzegovina

**17:24 – 17:36**

**Design of a Single-Axle Bogie for a Regional Rail Vehicle**

Martin Bučko

Dalibor Barta

Miroslav Blatnický

Vladimír Samaš

University of Žilina, Faculty of Mechanical Engineering, Department of Transport and  
Handling Machines, Slovak Republic

**17:36 – 17:48**

**Assessment of the Influence of Load Position on a Two-Axle Trailer on Driving Safety  
by Means of Computer Simulations**

Ján Dižo

Miroslav Blatnický

Alyona Lovska

Dalibor Barta

University of Žilina, Faculty of Mechanical Engineering, Department of Transport and  
Handling Machines, Slovak Republic

**17:48 – 18:00**

**Study of the Feasibility of Using Sandwich Components in the Wall Structure of a  
Universal Container**

Alyona Lovska

Juraj Gerlici

Ján Dižo

University of Žilina, Faculty of Mechanical Engineering, Department of Transport and  
Handling Machines, Slovak Republic

**18:00 – 18:12**

**Initial Spark of Change: Subsidies for Cycle Logistics in Germany and Their Impact**

Jakob Grubmüller, Hochschule Fulda – University of Applied Sciences, Germany

Sascha Düerkop, Fraunhofer FKIE, Germany

Dennis Knese, Frankfurt University of Applied Sciences, Germany

Isabel Bruns, Frankfurt University of Applied Sciences, Germany

**18:12 – 18:24**

**Joint Discussion, Day 1 Conclusions and Closing of the Programme**

**19:00 Dinner**

## DAY 2 PROGRAMME, 17th April 2026.

Venue: University of Applied Sciences Rijeka, Vukovarska 58, 51000 Rijeka

**09:00 – 09:15**

### **Invited Lecture 6**

#### **Safety in Railway Transport**

Želimir Delač

European Union Agency for Railways

**09:20 – 10:32**

### **Parallel Sessions – Block 1**

## **SESSION A: DIGITALIZATION, LOGISTICS AND SUPPLY CHAIN MANAGEMENT**

**09:20 – 09:32**

### **Digital Transformation of Logistics Systems as a Factor of Business Performance**

Antun Marinac

Josip Juraj Strossmayer University of Osijek, Faculty of Tourism and Rural Development in  
Požega, Požega, Croatia

Tomislav Ećimović

Pleternički komunalac d.o.o., Pleternica, Croatia

**09:32 – 09:44**

### **Smart Solutions in Distribution: Digitalization and Supply Chain Optimization as a Tool for Increasing Efficiency**

Antun Marinac

Ivan Kolesarić

Josip Juraj Strossmayer University of Osijek, Faculty of Tourism and Rural Development in  
Požega, Požega, Croatia

**09:44 – 09:56**

### **An Application of Digitalization and Technology Use in the Context of Logistics Process Optimization in Manufacturing Enterprises (*online*)**

Selcuk Korocuk, Giresun University, Türkiye

Ahmet Aytekin, Samsun University, Türkiye

**09:56 – 10:08**

### **The Impact of Digital Transformation of Logistics and Distribution on Customer Experience**

Mirjana Nedović

Mira Majstorović

Zvonimir Filipović

Lavoslav Ružička University of Applied Sciences in Vukovar, Croatia

**10:08 – 10:20**

**The Role of Digitalization in the Optimization of the Procurement Process in a Trading Company**

Sandra Mrvica Mađarac

Lavoslav Ružička University of Applied Sciences in Vukovar, Croatia

Milan Puvača

Ofir d.o.o.

Višnja Bartolović

University of Slavonski Brod, Croatia

**10:20 – 10:32**

**Digital Skills as a Function of Enterprise Competitiveness in the Logistics Market**

Helga Pavlič

University of Rijeka, Faculty of Economics and Business, Croatia

**SESSION B: TRANSPORT SAFETY AND TRAFFIC RISK MANAGEMENT**

**09:20 – 09:32**

**Analysis of Half-Barriers/Barriers Breakages at Railway-Road Crossings in the Republic of Croatia**

Siniša Vilke

Faculty of Maritime Studies, University of Rijeka, Croatia

Bariša Rašić

Josip Knežević

HŽ Infrastruktura

**09:32 – 09:44**

**The Role of the Safety Manager in Implementing Vision Zero Goals**

Dražen Kaužljjar

Sanja Paić

Mario Dautović

HŽ Infrastruktura

**09:44 – 09:56**

**Increasing Student Safety in School Zones**

Predrag Brlek

Faculty of Transport and Traffic Sciences, Croatia

Lucija Ptiček

University North, Croatia

Lana Račić

Trafiki, Croatia

**09:56 – 10:08**

**Construction-Based Protection Measures in Transport**

Dinko Jurjević

University of Applied Sciences Rijeka

**10:08 – 10:20**

**Safety Aspects of Electric Scooter Use in Traffic**

Robert Spudić

Ivica Baković

Kristina Šamec

University of Applied Sciences Hrvatsko zagorje Krapina, Croatia

**10:20 – 10:32**

**Road Traffic Safety Analysis: Trends in Traffic Accidents and Braking System**

**Reliability of Heavy Vehicles in Croatia**

Marko Kršulja

Lovro Liverić

Juraj Dobrila University of Pula, Faculty of Engineering, Croatia

**10:32 – 10:40**

**Short Break**

**10:40 – 11:40**

**Parallel Sessions – Block 2**

## **SESSION C: TRANSPORT ECONOMICS, POLICY, LABOUR AND PUBLIC TRANSPORT**

**10:40 – 10:52**

**Economic Optimization of the Air Traffic Control System within the Regulatory  
Framework**

Ana Lazarovska

International Atlantic University, Republic of North Macedonia

Verica Dančevska

St. Kliment Ohridski University, Bitola, Faculty of Technical Sciences, Department of Traffic  
and Transport, Bitola, Republic of North Macedonia

Violeta Manevska

Faculty of Information and Communication Technologies, Bitola, Republic of North  
Macedonia

**10:52 – 11:04**

**The Untapped Potential of Annex 9 of the Dayton Peace Agreement: A Framework for  
the Integrated Development of Bosnia and Herzegovina**

Mehmed Konaković

Public Institution “Center for Advanced Technologies in Sarajevo” and International  
University of Travnik, Faculty of Transport and Traffic Engineering, Travnik, Bosnia and  
Herzegovina

Abidin Deljanin

International University of Travnik, Faculty of Transport and Traffic Engineering, Travnik,  
Bosnia and Herzegovina

**11:04 – 11:16**

**Labour and Labour Relations of Port Transport Workers in Seaports of the Republic of**

**Croatia**

Marinko Učur  
University of Applied Sciences Rijeka

**11:16 – 11:28****Economic Analysis of the Public Transport System in the City of Vukovar**

Mira Majstorović  
Mirjana Nedović  
Anita Sesvečan  
Lavoslav Ružička University of Applied Sciences in Vukovar, Croatia

**11:28 – 11:40****Labour Costs and Profitability in the Taxi Industry under Conditions of Autonomous Transport**

Zdenko Bolfek  
Nenad Sikirica  
Ivica Baković  
University of Applied Sciences Hrvatsko zagorje Krapina, Croatia

**SESSION D: MOBILITY, TOURISM, DISTRIBUTION AND LOGISTICS  
RESILIENCE****10:40 – 10:52****Traffic as a Multidimensional Factor in Tourist Destination Management**

Hrvoje Budić  
Josip Juraj Strossmayer University of Osijek, Faculty of Tourism and Rural Development in  
Požega, Požega, Croatia

**10:52 – 11:04****The Impact of Digitalization on Distribution in Tourism and Hospitality: Current State and Opportunities**

Berislav Andrić  
Petar Klarić  
Marko Šostar  
Josip Juraj Strossmayer University of Osijek, Faculty of Tourism and Rural Development in  
Požega, Požega, Croatia

**11:04 – 11:16****Exploring Operational Friction in Logistics Systems: The Impact of Supply Chain Disruptions and Weather Severity (online)**

Md Mizanur Rahman  
Chang'an University, China  
Edvard Tijan  
Faculty of Maritime Studies, University of Rijeka, Croatia  
Tahmina Begum  
Chang'an University, China



**11:16 – 11:28**

**Economic Quantification of the Sustainability of Student Travel Behaviour**

Nataša Moreti

Hrvoje Grofelnik

University of Rijeka, Faculty of Tourism and Hospitality Management

**11:30 – 12:00**

**Joint Discussion, Conference Conclusions and Closing of the Scientific Programme**

**12:30 – 14:30**

**Mini cruiser ship Tajana: Tour to the terminals of the port of Rijeka**

**Catering on board**

**Departure: Karolina Riječka Peer 12:30**