

TT'S 2025 Conference

4th International Scientific Conference "TRANSPORT FOR TODAY'S SOCIETY", Ohrid, North Macedonia, April 23-25, 2025

Thursday, 24 April 2025

SCIENTIFIC CONFERENCE SESION (15:00 - 16:15)

Abstract Presentations

Moderators: [Nikola Krstanoski and Mikołaj Bartłomiejczyk]

Session A: Intelligent and Sustainable Urban Mobility Solutions

Theme: This session focuses on the application of technology and sustainable practices to enhance urban transport systems. It explores how Artificial Intelligence (AI), electric vehicles (EV), and innovative mobility solutions can contribute to more efficient and environmentally friendly cities.

Papers:

A-1 APPLYING THE ARTIFICIAL NEURAL NETWORK MODEL TO PREDICT THE USE OF DOCKLESS SHARED E-SCOOTERS FOR COMMUTING TRIPS
(Jelica Komarica, Draženko Glavić, Marina Milenković and Marija Malenkovska Todorova)

A-2 EXPLORING PATHWAYS ON HOW ARTIFICIAL INTELLIGENCE IS SHAPING SAFER, SMARTER, GREENER CITIES
(Daniela Koltovska Nechoska, Renata Petrevska Neckoska, Mimoza Bogdanovska Jovanoska)

A-3 SHARED MOBILITY SYSTEMS IN SUPPORT OF PUBLIC MASS PASSENGER TRANSPORT
(Predrag Brlek, Luka Novačko, Nikola Kožul and Karlo Babojelić)

A-4 CONCEPT OF AN INTEGRATED TIMETABLE IN THE AREA OF THE CITY OF VARAŽDIN, CROATIA
(Ante Klečina, Ivan Cvitković, Ljudevit Krpan and Nives Domjan Kačarević)

A-5 ACCELERATING MOVING WALKWAYS – CHARACTERISTICS AND SWOT ANALYSIS
(Pavle Pitka, Tatjana Kovačević, Milica Miličić, Milja Simeunović, Valentina Mirović and Jelena Delić)

A-6 TROLLEYBUS NETWORK AS A LINEAR CHARGER FOR ELECTRIC BATTERY BUSES
(Mikołaj Bartłomiejczyk, Marcin Połom and Leszek Jarzębowicz)

A-7 THE USE OF ELECTRIC BICYCLES IN THE FUNCTION OF SUSTAINABLE DEVELOPMENT
(Nenad Mrđenović, Siniša Sremac, Gordan Stojić and Ilija Tanackov)

A-8 ADVANTAGES AND DISADVANTAGES OF ELECTRICAL VEHICLES
(Slobodan Mircevski, Mile Spirovski, Daniela Koltovska Nechoska)

A-9 ANALYSIS OF URBAN TRAFFIC CONTROL SYSTEMS: CHALLENGES, STRATEGIES, AND INNOVATIONS
(Xhemile Sejdini)

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Abstract Presentations
Moderators: [Marija Malenkovska Todorova and Nemanja Stepanović]

Session B: Enhancing Traffic Safety and Infrastructure Planning

Theme: This session examines the critical aspects of traffic safety and the planning of transport infrastructure. It includes studies on road safety, vehicle design, and the analysis of traffic flow to improve overall safety and efficiency.

Papers:

B-1 PILOT IMPLEMENTATION OF A NETWORK-WIDE ROAD SAFETY ASSESSMENT PROACTIVE METHODOLOGY IN NORTH MACEDONIA
(Stevco Jolakoski, Daniel Pavleski and Daniela Koltovska Nechoska)

B-2 INFLUENCE OF THE CYCLIST'S MASS ON THE THROW DISTANCE IN A CENTRAL COLLISION WITH A VEHICLE
(Zoran Joshevski, Sonja Chalamani and Verche Koneska)

B-3 IDENTIFICATION OF LIGHTING SYSTEM CONDITIONS IN VEHICLES – SAFETY ASPECTS
(Biljana Veljanovska and Ivo Dukoski)

B-4 IMPROVING TRAFFIC SAFETY WITH ELECTROCHROMIC REAR-VIEW MIRRORS
(Ratka Neshkovska)

B-5 THE IMPACT OF LANE WIDTH ON PEDESTRIAN AND CYCLING SAFETY IN URBAN ENVIRONMENT
(Slobodan Ognjenovic, Riste Ristov and Kristina Ickovska)

B-6 MULTI-CRITERIA DECISION ANALYSIS OF THE CLASS I STATE ROAD "VOŽD KARAĐORĐE" OPTIMAL CORRIDOR SELECTION
(Nemanja Stepanović, Marijo Vidas and Miloš Tubić)

B-7 ANALYSIS OF SAFETY ASPECTS OF HIGHWAYS IN THE CONSTRUCTION PROCESS (Natasha Gredoska)

B-8 A BRIEF STUDY ON SOLVING THE PROBLEM WITH BUS PARKING IN OHRID (Zoran Tuntev)

B-9 PHYSICS BEHIND ROAD SAFETY AND TRAFFIC CONTROL (Mihail Naumovski and Daniela Koltovska Nechoska)

B-10 COMPREHENSIVE ANALYSIS OF PERFORMANCE AND SAFETY ASPECTS OF ROUNDABOUTS: A CASE STUDY (Darko Sokolovski)

B-11 BLACK SPOT MANAGEMENT (Elmir Mustafai and Merita Mustafai)

Friday, 25 April 2025

SCIENTIFIC CONFERENCE SESION (9:50- 11:15)

Abstract Presentations

Moderators: [Beti Angelevska and Zoran Krakutovski]

Session C: Environmental Challenges in Transport: Policy Framework and Logistical Strategies

Theme: This session focuses on the environmental impact of transport and the policy frameworks that guide sustainable logistics and transport practices. It examines the challenges of reducing emissions and optimizing freight and passenger transport from both environmental and policy perspectives.

Papers:

C-1 TRANSPORT AND CLIMATE CHANGE: THE NATIONAL FRAME IN RNM
(Beti Angelevska and Vaska Atanasova)

C-2 EXPLORING TECHNOLOGICAL INNOVATIONS IN ENVIRONMENTAL ASSESSMENT: TRENDS AND IMPACT
(Ejupi Resmi)

C-3 IMPACT OF TRAFFIC ON AMBIENT AIR QUALITY IN THE CITY OF BITOLA
(Vladimir Mijakovski and Monika Lutovska)

C-4 THE TRANSPORT POLICY AND PAN-EUROPEAN TRANSPORT CORRIDORS IN THE REPUBLIC OF MACEDONIA
(Verica Dancevska and Dejan Danchevski)

C-5 THE IMPORTANCE OF WASTE TRANSPORT TO A REGIONAL LANDFILL
(Blagoj Dimovski, Cvete Dimitrieska and Marjan Angeleski)

C-6 USING COMPARATIVE AND GEH ANALYSIS TO TEST TRAFFIC RESEARCH RESULTS, CASE STUDY
(Vaska Atanasova and Marija Stojanoska)

C-7 TRANSPORT INSURANCE: INVESTMENT IN SAFE AND RELIABLE BUSINESS TRANSPORT
(Dejan Danchevski, Gordana Rechovska, Ivica Smiljkovski)

C-8 WATER TRANSPORT AND WATER TRANSPORT STRATEGY UNTIL 2034 (Vesna Zlatanovic Tomasevic)

C-9 POTENTIAL FOR DEVELOPMENT OF MULTIMODAL TRANSPORT IN THE REPUBLIC OF NORTH MACEDONIA
(Zoran Krakutovski and Ivona Nedevska Trajkova)

C-10 OPTIMIZATION IN THE FUNCTION OF FLIGHT NETWORK PLANNING
(Ana Lazarovska, Verica Dancevska and Violeta Manevska)

C- 11 TRAFFIC MANAGEMENT FROM THE PERSPECTIVE OF ENVIRONMENTAL POLLUTION
(Merita Mustafai, Verica Dancevska and Elmir Mustafai)