








<b>TUESDAY – 5 May 2026</b>	
<b>16:00–18:00</b>	<b>REGISTRATION</b>
<b>18:00</b>	<b>WELCOME DINNER</b>
<b>WEDNESDAY – 6 May 2026</b>	
<b>09:00–09:30</b>	<b>OPENING</b>
<b>09:30–11:15</b>	<b>SESSION 1</b>
09:30–09:45	<b>Ronny Fleck, Klaus-Dieter Brösdorf, Tibor Kubjatko, Jörg Schröder</b> Advanced methods for documentation of traffic accidents and accident scenes and their application in accident reconstruction
09:45–10:00	<b>Wojciech Wach</b> Analysis of frame skipping and timing errors in video recordings
10:00–10:15	<b>Marian Gogola, Jan Ondruš, Dominik Krčmár</b> Visual Perception and Attention of Drivers and Riders
10:15–10:30	<b>Mateusz Ziubiński, Michał Stachura</b> Evaluation of the passenger car passive safety system effectiveness based on the crash tests results
10:30–10:45	<b>Dávid Körmöczi, Gábor Bércesi, Branislav Sarkan, György Pillinger, Péter Kiss</b> Rollover safety analysis of small-scale terrain vehicle
10:45–11:00	<b>Witold Luty</b> About the influence of specific tire properties on the reduction of the available lateral force in vehicle axle
<b>11:00–11:15</b>	<b>COFFEE BREAK</b>
<b>11:15–12:30</b>	<b>SESSION 2 – SHORT SESSION</b> SECTION 1* SECTION 2* SECTION 3*
<b>12:30–13:30</b>	<b>LUNCH</b>
<b>13:30–15:00</b>	<b>SESSION 3 – YOUNG SCIENTISTS</b>
13:30–13:45	<b>Alica Kalašová, Peter Fabian, Kristián Čulík</b> Safety-oriented evaluation of signalized intersections through economic and time-loss indicators
13:45–14:00	<b>Katarzyna Ślusarczyk, Rafał Jurecki</b> Impact of Driver Distraction by Mobile Phone Use on Reactions in Emergency Situations - A Driving Simulator Study
14:00–14:15	<b>Vladimír Konečný, Dominika Jonasíková, Karolína Ujlacká</b> Road Freight Transport Safety in the Context of Countries' Logistics Performance
14:15–14:30	<b>Leon Prochowski, Damian Cegłowski, Jerzy Jackowski</b> Counteracting drink driving and its effectiveness
14:30–14:45	<b>Miloš Poliak, Laura Škorvánkova, Shuichao Zhang</b> Impact of individual road traffic factors on safety
14:45–15:00	<b>Marek Jaśkiewicz, Mateusz Pawelkiewicz</b> Taxonomy of Active Safety and Driver Monitoring Systems
15:00–15:15	<b>Marcin Kąkol, Zbigniew Lozia</b> The influence of a flexible vehicle-trailer joint on the dynamics of the set during straight-line motion on a road with random unevenness

15:15–15:30	<b>Michał Gruszczyński, Rafał Jurecki</b> The application of jerk analysis in evaluating driving styles based on vehicle kinematic parameters
15:30–15:45	<b>Wiktoria Balcerzak, Mateusz Ziubiński</b> Can simulators revolutionize the driver training process?
15:45–16:00	<b>Paweł Grabski, Damian Frej, Rafał Jurecki, Emilia M. Szumska,</b> Tests of vertical acceleration on the seat of a child seat when driving through speed bumps along with a change in the height of the suspension of a passenger car
16:00–16:15	COFFEE BREAK
16:15–18:00	SPONSORS PRESENTATION
16:15–16:30	
16:30–16:45	 drżenie • akustyka • termowizja • szybkie kamery
16:45–17:00	
17:00–17:15	
17:15–17:30	
17:30–17:45	 pozyskiwanie dotacji
17:45–18:00	
19:00	GALA DINNER

**THURSDAY – 7 May 2026**

09:00–10:30	<b>SESSION 4</b>
09:00–09:15	<b>Josh Jubel, Klaus-Dieter Brösdorf, Ronny Fleck, Tibor Kubjatko</b> Investigations into the braking behaviour of cars with summer and winter tyres at different temperatures and road conditions
09:15–09:30	<b>Zuzanna Grzejszczyk, Filip Dąbrowski, Piotr Wiśniewski, Cezary Rzymkowski</b> Crash energy absorbers used in automotive applications
09:30–09:45	<b>Marek Guzek, Agata Jaździk-Osmólska, Agnieszka Tomczak, Tomasz Tyc, Piotr Zdanowicz</b> Socio-Economic Consequences of Road Accidents: Impacts on Households and Public Policy Responses
09:45–10:00	<b>Jerzy Jackowski, Tomasz Mantur, Mateusz Ziubiński</b>

	Simulation-based method for evaluating the performance of an automated vehicle controller in a selected road traffic critical scenario
10:00–10:15	<b>Dariusz Żardecki</b> Optimal control theory in the synthesis of a vehicle steering algorithm
10:15–10:30	<b>Dariusz Żardecki, Mirosław Gidlewski, Leszek Jemioł, Marek Jaśkiewicz, Karol Zielonka</b> Modeling and simulation of the automated lane change process, taking into account freeplay and friction in the vehicle steering system
10:30–11:00	<b>COFFEE BREAK</b>
11:00–12:00	<b>SESSION 5</b>
11:00–11:15	<b>Jarosław Seńko, Radosław Nowak, Mikołaj Szyc, Seweryn Koziak, Jacek Caban</b> CAE methodology for the structural and safety design of electric city buses
11:15–11:30	<b>Andrzej Dębowski</b> Application of Scaling Theory in the Synthesis of Control Systems for Highly Automated Vehicles
11:30–11:45	<b>Kristián Čulík, Alica Kalašová, Peter Fabian, Shuichao Zhang</b> Determining the Impact of Heavy Vehicles on the Traffic Flow
11:45–12:00	<b>Mirosław Gidlewski, Jerzy Jackowski, Leszek Jemioł</b> Research on the influence of passenger car drivers' age on collision and accident risk
12:00–13:00	<b>LUNCH</b>
13:00	<b>EXCURSION HIGH TATRA REGION</b>
19:00	<b>DINNER</b>
<b>FRIDAY – 8 May 2026</b>	
09:00–09:45	<b>SESSION 6</b>
09:00–09:15	<b>Robert Szczur, Anna Borucka, Patrycja Guzanek</b> Analysis of the Monthly Number of Road Accidents in Poland (2022–2024)
09:15–09:30	<b>Alica Kalašová, Dominik Krčmár, Marián Gogola</b> Modelling the Impact of Pedestrian and Cyclist Flows on the Operational Performance of an Urban Roundabout
09:30–09:45	<b>Gabriel Fedorko, Vierošlav Molnár, Rudolf Kampf</b> The Application Potential of Cryptotechnology in the Automotive Industry
9:45–10:15	<b>CONFERENCE CLOSING</b>

\*) Important notice for Short Session 3 presenters:

Please prepare your presentation (poster) according to the template available on the Conference website

<https://automotivesafetyconference.com>

**SESSION 2 – SHORT SESSION**

<b>11:15–12:20</b>	<b>SECTION 1: Road Safety, Human Factors, Policy</b>	
11:15–11:20	1.1	<b>Krzysztof Podosek, Marek Jaśkiewicz</b> Multi-axis measurement of vibrations affecting motorcyclists under real-world road conditions
11:20–11:25	1.2	<b>Adela Poliakova, Jakub Malik</b> The role of public investment and tax instruments in road safety in Slovakia
11:25–11:30	1.3	<b>Piotr Woś, Ryszard Dindorf</b> Perspectives on the Use of EEG Signals and BCI Interfaces in Driver Psychophysical State Monitoring Systems
11:30–11:35	1.4	<b>Anna Borucka, Patrycja Guzanek, Ewa Cukier, Joanna Antczak</b> Multiscale analysis of road traffic intensity seasonality
11:35–11:40	1.5	<b>Edward Kozłowski, Mateusz Traczyński, Przemysław Skoczyński, Piotr Jaskowski, Radovan Madlenak</b> Neural Networks in Assessing Injury Severity in Truck Accidents with Stationary Vehicles in Poland (2015–2024)
11:40–11:45	1.6	<b>Patrycja Guzanek, Anna Borucka, Dominik Szostak</b> Spatial, temporal and infrastructural factors and the risk of serious road collisions
11:45–11:50	1.7	<b>Miloš Poliak, Lilla Kiss, Yizhe Huang</b> Driver fatigue as a consequence of work organization and its impact on transport safety
11:50–11:55	1.8	<b>Damian Frej, Przemysław Kubiak</b> Comparative Analysis of Road Safety, Convergence, and Post-Pandemic Resilience in Selected European Union Countries, 2010–2025
11:55–12:00	1.9	<b>Marek Jaśkiewicz, Rafał Jurecki, Antoni Bańkowski, Michał Gruszczyński</b> Experimental analysis of child seat mounting base accelerations during driving on a good-quality asphalt road under different load and orientation conditions
12:00–12:05	1.10	<b>Damian Frej, Piotr Thomas, Joanna Maria Borowiecka-Jamrozek, Marek Jaśkiewicz</b> Deformation analysis of a child seat cover during a road traffic collision
12:05–12:10	1.11	<b>Ondrej Stopka, Branislav Šarkan, Vladimír L'upták</b> Modeling the Quantification of the Vehicles' Emission Load: Research Study in the Context of Cross-Border Commuters' Mobility
12:10–12:15	1.12	<b>Vladimír Konečný, Karolína Ujlacká, Dominika Jonasíková</b> Identification and regulation of road vehicle emissions as a tool for ensuring environmental and public safety through emission zones
12:15–12:20	1.13	<b>Vladimír Konečný, Kristína Kavuličová, Dominika Jonasíková</b> Information Security and Logistics Performance as Factors of Road Freight Safety in the EU: A Correlation Analysis
<b>11:15–12:15</b>	<b>SECTION 2: Vehicle Dynamics, Crashworthiness &amp; Biomechanics</b>	
11:15–11:20	2.1	<b>Ryszard Dindorf, Jakub Takosoglu</b> Determination of vibration transmissibility characteristics of air suspension for vehicle ride comfort and safety assessment

11:20–11:25	2.2	<b>Ján Vrábek</b> Impact of Cargo Distribution on Axle Loads and Operational Safety of a Flatbed Truck with a Hydraulic Loader Crane: Verification by Weighing and Modelling
11:25–11:30	2.3	<b>Wanda Górnica</b> Influence of ergonomic seat overlays on multi-axial biomechanical responses of an occupant during rear-impact sled tests
11:30–11:35	2.4	<b>Aleksander Górnica</b> Correlation-Based Assessment of Occupant Head Kinematics in Out-of-Position Rear Crashes
11:35–11:40	2.5	<b>Miloš Poliak, Dominika Rovňaniková, Michal Loman</b> The impact of the height compatibility of loading docks and vehicles on handling safety and the transport process
11:40–11:45	2.6	<b>Iveta Kubasáková, Dominik Benčo</b> Safety comparison of Hydrogen, CNG and LPG as alternative fuels in transport
11:45–11:50	2.7	<b>Miloš Poliak, Jozef Gnap, Lenka Iľašová</b> Safety Implications of Last-Mile Delivery Vehicles in Urban Traffic: A Statistical Approach
11:50–11:55	2.8	<b>Konrad Sobański</b> The development of road accident reconstruction methods in Europe between 1950 and 2000 as an element shaping modern road traffic safety standards.
11:55–12:00	2.9	<b>Damian Frej, Rafał Jurecki, Emilia M. Szumska</b> Experimental evaluation of multi-axial accelerations in Child Restraint Systems during road obstacle excitation
12:00–12:05	2.10	<b>Marek Jaśkiewicz, Tomasz L. Stańczyk, Katarzyna Ślusarczyk, Krzysztof Podosek</b> Comparative analysis of accelerations acting on the child seat mounting base in Hyundai Kona and Audi A6 vehicles during off-road driving (unpaved road)
12:05–12:10	2.11	<b>Dariusz Kurczyński, Piotr Łagowski, Andrzej Zuska, Katarzyna Ślusarczyk</b> Analysis of the influence of the passenger car type on the vertical acceleration curves measured on the second row of seats
12:10–12:15	2.12	<b>Piotr Łagowski</b> The effect of increased Bioethanol content in E10 gasoline on combustion parameters
11:15–12:05	<b>SECTION 3: Intelligent Transport Systems, Modelling &amp; Advanced Technologies</b>	
11:15–11:20	3.1	<b>Miloš Poliak, Michal Loman, Dominika Rovňaniková, Péter Kiss</b> Possibilities for diagnosing and detecting faults in road vehicle emission reduction systems
11:20–11:25	3.2	<b>Gabriela Kłosek</b> Response of an automated vehicle in case of control under different driving conditions
11:25–11:30	3.3	<b>Jarosław Seńko, Przemysław Rumianek, Seweryn Koziak, Katarzyna Stańko-Pająk, Sebastian Krakowiak</b> Finite element simulation of energy dissipation in pedestrian protection components
11:30–11:35	3.4	<b>Alica Kalašová, Kristián Čulík, Peter Fabian, Dominik Krčmár, Yizhe Huang</b> Operational Impact of Urban Air Mobility at Signalized Urban Intersections: A Microsimulation Study
11:35–11:40	3.5	<b>Joanna Maria Borowiecka-Jamrozek, Piotr Thomas, Marek Jaśkiewicz, Damian Frej</b> Determination of the susceptibility of a child seat shell to deformation during a compression test

11:40–11:45	3.6	<b>Zdenka Bulková, Jozef Gašparík</b> A Methodological Framework for Assessing the Impact of Railway Level Crossing Closure Time on Road User Delays
11:45–11:50	3.7	<b>Vladimír Konečný, Karolína Ujlacká, Dominika Jonasíková</b> Evaluation of emission calculators in road freight transport using multi-criteria analysis
11:50–11:55	3.8	<b>Tomasz Iwan</b> Digital Support for Road Transport of Dangerous Goods in the Context of Contemporary Threats
11:55–12:00	3.9	<b>Justyna Jaśkiewicz</b> From Road Signs to Intelligent Transport Systems: The Historical Development of Road Safety Infrastructure in Europe
12:00–12:05	3.10	<b>Joanna Borowiecka-Jamrozek, Wojciech Depczyński, Damian Bańkowski, Piotr Młynarczyk</b> X-Ray Computed Tomography (CT) as an Industrial Quality Control Tool in the Automotive Industry
12:05–12:10	3.11	<b>Paweł Posuniak, Jerzy Jackowski, Filip Dąbrowski</b> An Analysis of the Possibilities to Reduce the Consequences of a Passenger Car's Collision with a Heavy Goods Vehicle's Rear Underrun Protective Device