

EVU 2026, 34th Annual Congress

PROVISIONAL PROGRAMME



EUROPEAN ASSOCIATION FOR
ACCIDENT RESEARCH
AND ANALYSIS

17 – 19 September 2026

**Venue: Holiday Inn Žilina Hotel,
Športová 2, 010 01 Žilina**

Thursday, 17 September 2026

1:00 pm Opening Ceremony

1:30 PM SESSION 1: SCIENCE, EDUCATION, RISK ANALYSIS, FRAUD DETECTION

Keynote

Rationale and Framework for an Accredited Master's Programme in Accident Analysis
Thomas Helmer

Quantitative assessment of the probability of safety-critical traffic situations at urban intersections
Ronny Fleck

Possibilities and limitations of investigating suspected cases of fraud with particular reference to digital traces
Klaus-Dieter Brösdorf

3:00 pm Pause

3:30 PM SESSION 2: EVENT DATA RECORDERS

On the source of pre-crash speed values that an EDR records
Aart Spek

Comparison of Speed Reconstruction Methods Using EDR and Sensor Data
Ardit Gjeta

Long-Term Integrity and Forensic Reliability of EDR Data Stored in Airbag Control Modules: Validation Through Multi-Year Post-Crash Retrieval and Controlled Crash Testing
Michal Frydryn

From Equations to EDRs: A Unified Reconstruction Methodology
Adam Hyde

Analysis of Real-World Large Wildlife-Vehicle Collisions
Mark Paquette

7:00 pm Welcome Drink

Friday, 18 September 2026

9:00 AM

SESSION 3: DIGITAL SCENES

High-Fidelity Scene Digitization for Accident Reconstruction: Workflow and Application of 3D Gaussian Splatting within PC-Crash

Andreas Moser

Legal constraints on civilian UAV use and impact on forensic scene documentation and reliance on police collection

Stanislav Stehel

Modern Techniques for Generating Low-Cost 3D Data

Patrick Ryan

Enhancing Accident Reconstruction Through Early Digital Scene Capture: Integrating Photogrammetry, Videogrammetry and First-Responder Data Acquisition

Christian Schäfers

10:20 am

Pause

10:50 AM

SESSION 4: VULNERABLE USERS, SPECIAL VEHICLES, ELECTRICAL VEHICLES

“Differences in braking distances of light motorcycles depending on initial velocity and activated brake circuits” – A research study as a part of a thematic investigation conducted by NSIA

Tomasz Mleczko

Research on movement dynamics boys and girls on scooters

Pawel Wyznakiewicz

Markerless Motion Tracking of Pedestrian Kinematics During Frontal Vehicle Collisions

Caryn Urbanczyk

Motorhomes Are Not Large Passenger Cars – Visibility Geometry, Vehicle Volume and Methodological Requirements for Accident Reconstruction

Jörg Schröder

Post-Fire Assessment of a Traction Battery Based on X-Ray Imaging and Thermal Exposure Analysis – A Case Study of a Mini Cooper SE

Stefan Koppenhofer

12:10pm

Lunch

1:10 PM

SESSION 5: ACOUSTIC TRACES, VIDEO ANALYSIS

Motorcycle Acoustic Signals Related to Speed and Braking
André Doria

Forensic Spectrogram Analysis: Objective Verification of Dynamic Event Sequences and Driving Behaviour in Accident Reconstruction
Fabian Schwarz

A video-based method for measuring vertical vehicle dynamics during overrunning events
Myco Van de Beek

A Graphical Method for Vehicular Speed Analysis from Video Footage
Richard Ellwood

Standard BMW vehicle equipment for video-based accident reconstruction – data quality, accessibility, analysis and comparison with other manufacturers
Steffen Dreher

2:50 pm

Pause

3:20 PM

SESSION 6: ARTIFICIAL INTELLIGENCE AND HUMAN FACTORS

AI-Assisted Road Accident Reconstruction for Insurance Fraud Detection: Methods for Damage Compatibility and Replication Analysis
Alessandro Fiorini

Hybrid AI and Rigid-Body Dynamics Framework for Vehicle Impact Reconstruction and Simulation
Davide Moricoli

Cognitive and Neurophysiological Aspects in Accident Reconstruction
Werner Möhler

A new approach for evaluating individual driver behaviour in case of an accident
Martin Neuburger

4:50 pm

General Assembly

7:00 pm

Gala Dinner

Saturday, 19 September 2026

9:00 AM SESSION 7: TESTING, EXPERIMENTS, SIMULATION

Critical Speed Estimation from Yaw Marks: Experiments and Simulation
Wojciech Wach

Evaluation of the PC-Crash MUSIAC Module for Fast Numerical Analysis of Vehicle Impacts with Traffic Safety Barriers
Jovan Trajkovski

Quantification of the Difference between Indicated Vehicle Speed and True Vehicle Speed
Mattia Sillo

Speed logs on iPhones
Jakub Zebala

10:30 am Pause

11:00 AM SESSION 8: ROAD SAFETY AND TECHNICAL INSPECTIONS

Targeted Road Safety Inspections Supported by Remote Sensing-Based Risk Assessment: Evidence from Black Spot Intervention and Measurable Safety Outcomes
Diana Russinova

Road Safety Inspections - Increasing Knowledge Transfer by EVU Experts
Ernst Pflieger

Periodic Technical Inspection for Environmental Perception in Automated Vehicles
Robin Langer

12:00 am Closing Ceremony

12:20 am Lunch Snack