

EVU 2026, 34th Annual Congress

PROVISIONAL PROGRAMME

(as of 2 August 2026)



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**
(Chair: Michael Weyde)

Keynote

1:50 pm

Towards a Standardized Academic Qualification in Accident Analysis: Design and Implementation of a Competency-Based Part-Time Master's Program
Thomas Helmer, *Alexander Gelner*

2:10 pm

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

2:30 pm

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

2:50 pm

Pause

3:20 PM **SESSION 2: EVENT DATA RECORDERS**
(Chair: André Doria)

3:20 pm

Case-specific EDR validation: a reverse engineering approach
Aart Spek, *Karlon Hagendoorn*

3:40 pm

Comparison of Speed Reconstruction Methods Using EDR and Sensor Data
Ardit Gjeta, *Alfred Hasanaj*, *Michael Weyde*

4:00 pm

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 Frydrýn, *Peter Vertal*, *Gustáv Kasanický*

4:20 pm

From Equations to EDRs: A Unified Reconstruction Methodology
Adam Hyde, *Tommy Sturdivan*

4:40 pm

Analysis of Real-World Large Wildlife-Vehicle Collisions
Mark Paquette, *Benjamin Willemsen*, *Hannah Van Staveren*

7:00 pm

Welcome Drink

Friday, 18 September 2026

9:00 AM

SESSION 3: DIGITAL SCENES

(Chair: Efsthios Sabaziotis)

9:00 am

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

9:20 am

Legal constraints on civilian UAV use and impact on forensic scene documentation and reliance on police collection
Stanislav Stehel, Gustáv Kasanický, Peter Vertal

9:40 am

Modern Techniques For Generating Low-Cost 3D Data
Patrick Ryan

10:00 am

Enhancing Accident Reconstruction Through Early Digital Scene Capture: Integrating Photogrammetry, Videogrammetry and First-Responder Data Acquisition
Christian Schäfers, František Janíček, Tibor Kubjatko

10:20 am

Pause

10:50 AM

SESSION 4: VULNERABLE USERS, SPECIAL VEHICLES, ELECTRICAL VEHICLES

(Chair: Tibor Kubjatko)

10:50 am

Study of the movement dynamics boys and girls on scooters
Pawel Wyznakiewicz, Piotr Ciępka

11:10 am

Markerless Motion Tracking of Pedestrian Kinematics During Frontal Vehicle Collisions
Caryn Urbanczyk, Darren Philp, Craig Dawson, Ric Ward

11:30 am

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

11:50 am

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, Julius Osthold, Sven Kilian, Michael Salamon, Alexander Ennen, Klaus Böhm

12:10 pm

Lunch

1:10 PM

SESSION 5: ACOUSTIC TRACES, VIDEO ANALYSIS

(Chair: Stephan Schal)

1:10 pm

Motorcycle Acoustic Signals Related to Speed and Braking
André Doria

1:30 pm

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

1:50 pm

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

2:10 pm

A Graphical Method for Vehicular Speed Analysis from Video Footage
Richard Ellwood, Mr. Craig Dawson

2:30 pm

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

(Chair: Barend Hauwetter)

3:20 pm

AI-Assisted Road Accident Reconstruction for Insurance Fraud Detection: Methods for Damage Compatibility and Replication Analysis
Alessandro Fiorini, Flavio D'Amato, Enrico Pittini, Davide Moricoli, Davide Castellucci, Filippo Begani

3:40 pm

Hybrid AI and Rigid-Body Dynamics Framework for Vehicle Impact Reconstruction and Simulation
Davide Moricoli, Radu Serban, Filippo Begani, Enrico Pittini, Alessandro Fiorini, Davide Castellucci

4:00 pm

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

(Chair: Herman Steffan)

9:00 am

Critical Speed Estimation from Yaw Marks: Experiments and Simulation
Wojcieh Wach, Piotr Cięпка, Karol Kwieciński

9:20 am

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

9:40 am

Quantification of the Difference between Indicated Vehicle Speed and True Vehicle Speed
Mattia Sillo, Dr. Matteo Villaraggia, Dr. David Camí González

10:00 am

Speed logs on iPhones
Jakub Zebala, Robert Radziszewski

10:20 am

Pause

10:50 AM

SESSION 8: ROAD SAFETY AND TECHNICAL INSPECTIONS

(Chair: Alfred Hasanaj)

10:50 am

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

11:10 am

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

11:30 AM

SPECIAL SESSION

11:30 am

Unlocking digital evidence after road accidents: Simple, fast, and reliable access to Event Data Recorders with DiagFlight and msg.EDR
Jens Vollmer

11:50 am

Closing Ceremony

12:15 am

Lunch Snack