

# EVU 2025, 33<sup>rd</sup> Annual Congress

## PROGRAMME



EUROPEAN ASSOCIATION FOR  
ACCIDENT RESEARCH  
AND ANALYSIS

**September 25–27 2025**  
**Braşov - Romania**

**Location: Transilvania University of Braşov**

Aula Sergiu Chiriacescu  
Strada Iuliu Maniu 41A, Braşov 500091

# Thursday, September 25 2025

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1:00pm

## Opening Ceremony

### 1:30PM SESSION 1: ARTIFICIAL INTELLIGENCE

Keynote

Artificial Intelligence (AI) in Accident Reconstruction  
*Andreas Moser*

The Use of Large Language Models (LLMs) in Road Accident Investigation  
*Lulius Alexandru Tudor*

Automated Crash Test Video Analysis for Stiffness Coefficient Estimation  
*Davide Castellucci*

3:00 pm

Coffee Break

### 3:30PM SESSION 2: BICYCLE SAFETY AND E-SCOOTERS

Development of a mobile measuring system for the court-proof detection of overtaking distance offences between motor vehicles and bicycles  
*Ronny Fleck*

Lane change processes of cyclists – new results from an ITAI/EVU joined study  
*Stephan Schal*

A GIDAS analysis of bicycle-to-car crashes for personal protective equipment evaluation  
*Ron Schindler*

Theoretical and experimental research on the behavior of electric scooters (e-kick) during emergency braking  
*Adrian Sachelerie Schindler*

5:30pm

Black Church in Braşov (Organ Concert)

7:00pm

Welcome Drink

# Friday, September 26 2025

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## 9:00AM SESSION 3: ELECTRIC VEHICLES

Electric cars braking process  
*Avner Rosengarten*

Periodical Technical Inspection - What will it look like for BEVs in the future?  
*Markus Gregor*

Challenges in the reconstruction of accidents involving high-voltage vehicles - A report from the field  
*Michael Katzer*

Post-Crash Handling of Electric Vehicles – State of the Art in Germany  
*Susanne Lott*

10:20am Coffee Break

## 10:50AM SESSION 4: RECONSTRUCTION (I)

Investigations for the validation of an EES catalogue  
*Thomas Unger*

The estimation of EES - methods and limitations  
*David Battistel*

Hit-and-run or imperceptible?  
*Christian Hittinger*

The Point of No Return (PONR) in Traffic Accident Reconstruction: Theory, Methodology and Application  
*Matei Găman*

Using a Suite of Software Programs to Reconstruct a Fatal Collision  
*Ian White*

12:10pm Lunch

## 1:10PM SESSION 5: EVENT DATA RECORDER – DIGITAL TRACES

EDR (Event Data Recorder) and CDR (Crash Data Retrieval) of a Tesla 3 Involved in an Accident

*Jorge Martins*

Non-CDR Data Sources

*Patrick Ryan*

Analysis of GoPro Accelerometer Performance for Measuring Vehicle Acceleration during emergency braking

*Michelle Gowan*

Accuracy of Estimated Speeds from Onboard Video Using Aerial Imagery as the Reference Geometry

*Thomas Flynn*

GPS Systems in Accident Analysis – Possibilities and limitations

*Michael Plank*

2:50pm

Coffee Break

## 3:20PM SESSION 6: PASSIVE SAFETY - BIOMECHANICS

The impact of an inflatable neck brace on injury parameters of the cervical spine in accordance with CEN/TS 17342

*JovanTrajkovski*

Motorcyclist Airbag Protective Apparel: A Clothed Event Data Recorder

*Andre Doria*

Car seats impact on whiplash injury

*Rasmus Olofsson*

4:30pm

General Assembly

7:00pm

Gala Dinner

# Saturday, September 27 2025

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## 9:00AM SESSION 7: VEHICLE DESIGN – HUMAN FACTORS

Visibility Obstruction Issues Caused by Vehicle Structures and the Dynamic Approach of Vehicles to a Roundabout

*Jörg Schröder*

Research On Automated Vehicles – A Test Bench Approach To Integral Safety

*Stefan Peringer*

Investigation of the gaze behaviour of truck and bus drivers towards interior and exterior mirrors

*Klaus-Dieter Brösdorf*

The effects of cargo dynamics on vehicle behaviour and consequential accidents.

*Erik Eenkhoorn*

10:20am

Coffee Break

## 10:50AM SESSION 8: ACCIDENT RECONSTRUCTION (II)

A Sensitivity Analysis of Two Collision Simulation Software for Some of the Input Parameters of Vehicle – Pedestrian Collisions

*Attila Luliu Gönczi*

Evaluation of Survey Techniques in Forensic Collision Investigation

*Michelle Gowan*

Evaluation of New Driving Dynamics Simulation with a 3D Multibody Vehicle Model and Force-Balance Collision Analysis

*Florian Pirkner*

A Novel Simulation Method for Load Securing “Tie-Down Lashing” in Heavy Commercial Vehicles

*Ferenc Ignacz*

12:10am

Closing Ceremony

12:45am

Lunch Snack