

EVU 2025, 33rd 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

1:00 pm

OPENING CEREMONY

1:30 PM SESSION 1: ARTIFICIAL INTELLIGENCE (CHAIRIED BY: YVES PAGE)

1:30 pm

Keynote

1:50 pm

Artificial Intelligence (AI) in Accident Reconstruction
Andreas Moser

2:10 pm

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

2:30 pm

Automated Crash Test Video Analysis for Stiffness Coefficient Estimation
Davide Castellucci

3:00 pm

Coffee Break

3:30 PM SESSION 2: BICYCLE SAFETY AND E-SCOOTERS (CHAIRIED BY: STEFANIE RITTER)

3:30 pm

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

3:50 pm

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

4:10 pm

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

4:30 pm

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

5:30 pm

Black Church in Braşov (Organ Concert)

7:00 pm

Welcome Drink

Friday, September 26 2025

9:00 AM SESSION 3: ELECTRIC VEHICLES (CHAired BY: DRAGOS DIMA)

9:00 am Periodical Technical Inspection - What will it look like for BEVs in the future?
Markus Gregor

9:20 am Challenges in the reconstruction of accidents involving high-voltage vehicles - A report from the field
Michael Katzer

9:40 am Post-Crash Handling of Electric Vehicles – State of the Art in Germany
Susanne Lott

10:00 am Coffee Break

10:30 AM SESSION 4: RECONSTRUCTION (I) (CHAired BY: ANDREAS MOSER)

10:30 am Investigations for the validation of an EES catalogue
Thomas Unger

10:50 am The estimation of EES - methods and limitations
David Battistel

11:10 am Hit-and-run or imperceptible?
Christian Hittinger

11:30 am The Point of No Return (PONR) in Traffic Accident Reconstruction: Theory, Methodology and Application
Matei Găman

11:50 am Using a Suite of Software Programs to Reconstruct a Fatal Collision
Ian White

12:10 pm Lunch

1:10 PM SESSION 5: EVENT DATA RECORDER – DIGITAL TRACES (CHAired BY: AART SPEK)

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| 1:10 pm | EDR (Event Data Recorder) and CDR (Crash Data Retrieval) of a Tesla 3 Involved in an Accident <i>Jorge Martins</i> |
| 1:30 pm | Non-CDR Data Sources <i>Patrick Ryan</i> |
| 1:50 pm | Analysis of GoPro Accelerometer Performance for Measuring Vehicle Acceleration during emergency braking <i>Michelle Gowan</i> |
| 2:10 pm | Accuracy of Estimated Speeds from Onboard Video Using Aerial Imagery as the Reference Geometry <i>Thomas Flynn</i> |
| 2:30 pm | GPS Systems in Accident Analysis – Possibilities and limitations <i>Michael Plank</i> |
| 2:50pm | Coffee Break |

3:20 PM SESSION 6: PASSIVE SAFETY – BIOMECHANICS (CHAired BY: LARS HANNAWALD)

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| 3:20 pm | The impact of an inflatable neck brace on injury parameters of the cervical spine in accordance with CEN/TS 17342 <i>JovanTrajkovski</i> |
| 3:50 pm | Motorcyclist Airbag Protective Apparel: A Clothed Event Data Recorder <i>Andre Doria</i> |
| 4:30 pm | General Assembly |
| 7:00 pm | Gala Dinner |

Saturday, September 27 2025

9:00 AM SESSION 7: VEHICLE DESIGN – HUMAN FACTORS (CHAired BY: ADRIAN SACHELARIE)

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| 9:00 am | Visibility Obstruction Issues Caused by Vehicle Structures and the Dynamic Approach of Vehicles to a Roundabout <i>Jörg Schröder</i> |
| 9:20 am | Research On Automated Vehicles – A Test Bench Approach To Integral Safety <i>Stefan Peringer</i> |
| 9:40 am | Investigation of the gaze behaviour of truck and bus drivers towards interior and exterior mirrors <i>Klaus-Dieter Brösdorf</i> |
| 10:00 am | The effects of cargo dynamics on vehicle behaviour and consequential accidents. <i>Erik Eenkhoorn</i> |
| 10:20am | Coffee Break |

10:50 AM SESSION 8: ACCIDENT RECONSTRUCTION (II) (CHAired BY: TOM FLYNN)

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| 10:50 am | A Sensitivity Analysis of Two Collision Simulation Software for Some of the Input Parameters of Vehicle – Pedestrian Collisions <i>Attila Luliu Gönczi</i> |
| 11:20 am | Evaluation of Survey Techniques in Forensic Collision Investigation <i>Michelle Gowan</i> |
| 11:40 am | Evaluation of New Driving Dynamics Simulation with a 3D Multibody Vehicle Model and Force-Balance Collision Analysis <i>Florian Pirkner</i> |
| 12:00 am | A Novel Simulation Method for Load Securing “Tie-Down Lashing” in Heavy Commercial Vehicles <i>Ferenc Ignacz</i> |
| 12:20 am | Closing Ceremony |
| 12:45 am | Lunch Snack |