

EVU 2025, 33rd Annual Congress

PROGRAM



EUROPEAN ASSOCIATION FOR
ACCIDENT RESEARCH
AND ANALYSIS

25 – 27 September 2025
Braşov - Romania

Location : University of Braşov

Thursday, 25 September 2025

1:00pm	Opening Ceremony
1:30PM	SESSION 1: ARTIFICIAL INTELLIGENCE
	Keynote
	Artificial Intelligence (AI) in Accident Reconstruction <i>Andreas Moser</i>
	The Use of Large Language Models (LLMs) in Road Accident Investigation <i>Lulius Alexandru Tudor</i>
	Automated Crash Test Video Analysis for Stiffness Coefficient Estimation <i>Davide Moricoli</i>
3:00pm	Coffee Break
3:30PM	SESSION 2: BICYCLE SAFETY
	Investigations on thermally overloaded hydraulic disc brakes on pedelecs and determination of braking decelerations of cargo bikes <i>Luis Ancona</i>
	Development of a mobile measuring system for the court-proof detection of overtaking distance offences between motor vehicles and bicycles <i>Ronny Fleck</i>
	Lane change processes of cyclists – new results from an ITAI/EVU joined study <i>Laura Wittkamp</i>
	A GIDAS analysis of bicycle-to-car crashes for personal protective equipment evaluation <i>Ron Schindler</i>
5:30pm	Black Church in Braşov (Organ Concert)
7:00pm	Welcome Drink

Friday, 26 September 2025

9:00AM SESSION 3: ELECTRIC VEHICLES

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

Adrian Sachelarie

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

Stefanie Ritter

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

Susanne Lott

10:40am

Coffee Break

11:10AM 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

Defining the Point of No Return (PONR) in Traffic Accident Reconstruction

Matei Gaman

Using a Suite of Software Programs to Reconstruct a Fatal Collision

Ian White

12:50pm

Lunch

1:50PM 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 Applications

Patrick Ryan

Analysis of GoPro Accelerometer Performance for Measuring Vehicle Acceleration

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

3:30pm

Coffee Break

4:00PM 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 PPE: An EDR Inflating the Survivability Margin of Rider Crashes

Andre Doria

Car seats impact on whiplash injury

Rasmus Olofsson

5:15pm

General Assembly (1h)

7:30pm

Gala Dinner

Saturday, 27 September 2025

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

Testing automated vehicles in technical inspections – a test bench approach
Stefan Peringer

Influence of Off-Road-Tires on the Braking Performance of Emergency Vehicles
Markus Egelhaaf

Investigation of the gaze behaviour of truck and bus drivers towards interior and exterior mirrors
Klaus-Dieter Brösdorf

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
John Molloy

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

Evaluation of Modern Driving Dynamics Simulation
Florian Pirkner

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

12:30pm Closing Ceremony

1:00pm Lunch Snack