



EUROPEAN ASSOCIATION FOR

ACCIDENT RESEARCH

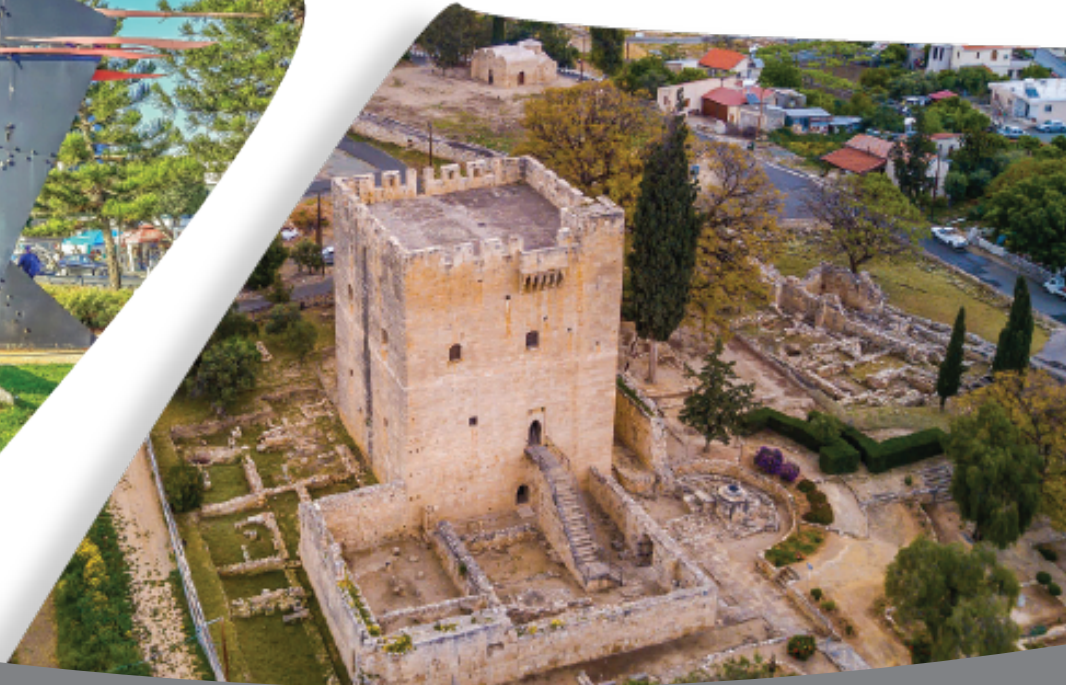
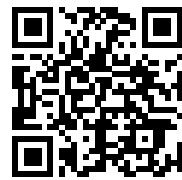
AND ANALYSIS

5-7 OCTOBER 2023, LIMASSOL, CYPRUS

ROYAL APOLLONIA BEACH HOTEL, LIMASSOL, CY

2023

www.cyprusconferences.org/evu2023



Thursday, 5 October

1:30pm Welcome

1:50pm Keynote

2:20pm Miscellaneous

Benefits of using internal system videos for forensic accident reconstruction

» Mr. Andreas Feuerer, Prof. Klaus Böhm

BEV Accidents – Consequences in Case of a Battery Thermal Runaway

» Dr. Rico Tschirschwitz, Dr. Sarah-K. Hahn, Prof. Ulrich Krause

3:00pm Coffee Break

3:30pm Biomechanics & Injury

Development of muscle activity in the Biofidel-Dummy to improve realistic collision sequences

» Mr. Benjamin Härtel, Prof. Lars Hannawald

Adiposity and related Injury Risk

» Mr. Andreas Schäuble, Mr. Tayfun Durak

Protection potential of seat structures from new Chinese vehicles in light rear-end collisions

» Ms. Melanie Kreutner

A Linear Spring Model of Low Speed Front-Rear Collisions combined with Damage and Injury Reference Levels

» Dr. Denis Wood, Dr. Naoya Nishimura, Mr. Colin Glynn, Dr. Ciaran Simms

5:00pm Present of Safety Award

5:20pm General Assembly

7:00pm Welcome Reception

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Friday, 6 October

9:00am Commercial vehicles

Manipulation of first and second generation tachographs and their impact on road safety and the transport market

» Mr. Krzysztof Nowak, Mr. Józef Kołcon

Load securing test and simulation

» Mr. Christian Hittinger, Dr. Andreas Moser

Truck emergency braking and role of load restraining in road transport safety

» Dr. Ebrahim Riahi, Dr. Daniel Lechner, Dr. Jérôme Rebelle, Dr. Thierry Serre

The unchallenged acceptance of road tanker accidents

» Dr. Erik Eenkhoorn

10:30am Coffee Break

11:00am Reconstruction 1

The Race Car Accident with Fatal Injuries - Case Study

» Mr. Berislav Barisic-Jaman

Probability analysis and uncertainty theory: useful methods for the reconstruction expert

» Prof. Horst Ecker

Energy loss evaluation based on Artificial Intelligence algorithms

» Dr. Monica Meocci, Dr. Filippo BeganiSerre

The Difference in Parameters of Driving Dynamics of a Vehicle with Various Powertrains

» Dr. Martin Bilík, Mr. Jan Haniška, Dr. Albert Bradáč, Prof. Marek Semela, Mr. Michal Křížák, Mr. David Jelínek, Dr. Roman Mikulec, Mr. Martin Rak, Dr. Michal Belák, Mr. Tomáš Bilík, Dr. Pavel Maxera

12:30am Lunch

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Friday, 6 October

1:30pm Road Safety

Road Safety Audits and Road Safety Inspections in minor road sections are important logic components for accident prevention and accident investigation

» Prof. Ernst Pflieger

How to judge the dangerousness of driving situations at pedestrian crossings?

» Dr. Pavel Maxera, Prof. Robert Kledus, Prof. Marek Semela, Dr. Martin Bilík, Dr. Albert Bradáč

Preliminary results of implementing the velocity reducing measures for motorcycle riders

» Dr. Miha Ambrož, Prof. Robert Kunc

Braking and acceleration capabilities of e-bicycles, e-scooters and e-monowheels

» Mrs. Claire Naude, Dr. Ebrahim Riahi, Mr. Bastien Canu, Mr. Lucas Herbin, Ms. Fanny Vincent, Dr. Thierry Serre

3:00pm Coffee Break

3:30pm Keynote

4:00pm ADAS

Performance of Automatic Speed Sign Recognition and Adaptive Speed Adjustment of Real Vehicles on German Roads

» Mr. Maximilian Bauder, Mr. Daniel Paula, Mr. Thomas Fehringer, Mr. Tibor Kubjatko, Prof. Hans-Georg Schweiger

Reproducibility of Advanced Driver Assistance Systems' activities during the course of an accident: An investigation using the Autonomous Emergency Braking System

» Mr. Daniel Paula, Mr. Maximilian Bauder, Mr. Claus Pfeilschifter, Mrs. Khotan Hosseinpour, Prof. Hans-Georg Schweiger

Testing of a vehicle front camera in combination with the automatic high beam assist system

» Mr. Robin Langer, Mr. Daniel Paula, Prof. Klaus Böhm, Prof. Hans-Georg Schweiger

5:00pm Outlook to next year

7:30pm Gala Dinner

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Saturday, 7 October

9:00am Data 1

Dashcam analysis
» Mr. Matthias Schmidt

The application of ISA of vehicles such as LKW and Buses in accident reconstruction
» Prof. Uzi Raz, Mr. Avner Rosengarten

Evaluation of CDR crash tests
» Dr. Peter Vertal, Dr. Lubos Nouzovsky, Dr. Zdenek Svaty, Dr. Michal Frydryn, Dr. Eduard Kolla

An Airbag ECU Contradicts Itself: Discrepancies and Reverse Engineering of EDR Data
» Dr. Ingo Holtkötter

10:30pm Coffee Break

11:00am Data 2

Accuracy evaluation for GPS fitness trackers
» Mr. Julian Simader, Dr. Andreas Moser, Dr. Hermann Steffan

Case study of accident crash data in mobile phones
» Mr. Cor van der Kamp, Mr. Karlon Hagendoorn

Validity of iPhone speed loggings under crash conditions
» Mr. Aart Spek, Mr. Karlon Hagendoorn

12:30pm Farewell Reception

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