

EVU 2016

25th Annual Congress of the [EVU](#), 20. - 22.10.2016, Bratislava, Slovakia

<http://evu2016.org/>

Schwerpunktthemen:

- Using [EDR/CDR](#) in theory and praxis
- Driving dynamics
- Autonomous driving

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Programm

20.10.2016

Session 1

- [Brach, R.M.](#): Impulse-Momentum Analysis of Multibody Vehicle-Pedestrian Collision Simulations
- [Sippit, MBE P.](#): Contributory factors; a case study
- [Ecker, H.](#); [Saleh, P.](#): MoProVE Motorcycle Test Vehicle
- [Prochowski, L.](#); [Pusty, T.](#); [Zielonka, K.](#): Major components of the energy balance in the process of a motorcycle impact against a motor car side

Session 2

- [Lugner, P.](#): Grundlagen und Charakteristika der Fahrdynamik
- [Thelen, M.](#); [Boeckmann, S.](#); [Katzner, M.](#): Application of HU adapter in the accident analysis
- [Niewöhner, W.](#): The Braking-Steering Conflict For Autonomous Emergency Braking
- [Forster, A.](#); [Kuhrt, C.](#); [Peters, B.](#): Event Data Recorder (EDR) for Automated Driving

21.10.2016

Session 3

- [Burg, H.](#): Experience with the readout of data from the Event Data Recorder with BOSCH CDR Tool
- [Weyde, M.](#): Possibilities and limitation in the analysis of digital driving data for accident reconstruction
- [Spek, A.](#) Evaluation of a common practice - to calculate speed from EDR-reported RPM
- [Sillo, M.](#); [Cami, D.](#); [Del Cesta, F.](#): Using CDR in an actual vehicle accident reconstruction case: data validation, exploitation and comparison with respect to the PCCrash approach

Session 4

- [Spek, A.](#); [Hagendoorn, K.](#); [Wisse, E.](#): Unravelling the VAG-vehicles crash recorder
- [Hesz, M.](#); [Melegh, G.](#): A more suitable visualization and replay of read data from EDR
- [Gratzer, W.](#); [Reif, P.](#): Reconstruction of a slip-off-collision by using partial collisions
- [Becke, M.](#): [Rebound factor method](#)

Session 5

- [Moser, A.](#); [Steffan, H.](#): Validation of the Finite Element vehicle models in PC-Crash 11.0
- [Kolla, E.](#) et al: Pedestrian injuries as a parameter for impact velocity estimation in car - pedestrian accidents
- [Ptak, M.](#); [Kolla, E.](#): Numerical methods for vulnerable road users safety enhancement
- [Wach, W.](#): [Probabilistic interpretation of ambiguous results of time-distance analysis](#)

Session 6

- [Schmidt, M.](#): Analytical determination of threat detection points at cross traffic and peripheral objects
- [Kuranowski, A.](#); [Unarski, J.](#); [Kowal, M.](#): Effects Of High Voltage Electric For The Vehicle. The detection of the presence of pedestrians in blind spot of the truck drivers
- [Del Cesta, A.](#); [Del Cesta, F.](#): Exploiting image-based colorization of point clouds in vehicle accident reconstruction: methodologies and reliability
- [Svaty, Z.](#): Photogrammetry-based Models of Accident Sites
- [Pfleger, E.](#): Identifying the causes of incorrect driving (wrong-way driving) based on analyzes views

22.10.2016

Session 7

- [Wood, D.](#); [Glynn, C.](#); [Nishumura, N.](#); [Simms, C.](#): Dynamic Response in Low Speed Rear Impacts and Inferences for Injury Potential
- [Kohut, P.](#) et al: Deceleration of current generation of road vehicles during intensive braking and conditionality of accident quantities with respect to this parameter
- [Janczur, R.](#): Influence of bad balancing front wheel on steering system and car body vibrations
- [Florin, A.](#); [Zuber, S.](#): Crashtest EVU Swiss

Session 8

- [Weyde, M.](#): Evaluation of real truck turning maneuvers
- [Dirnbach, I.](#); [Kubjatko, T.](#); [Ondrus, J.](#): Accident on crossing with threecolour lights
- [Dima, D.S.](#); [Covaciu, D.](#): Use of MEMS sensors for data acquisition in crash tests
- [Schiller, M.](#); [Ronan, E.](#): Children car seats - legal implications of a use/misuse due to car accidents
- [Erbsmehl, Ch.](#); [Landgraf, T.](#); [Urban, M.](#); [Lakosky, S.](#); [Busch, D.](#): FAPS - Fraunhofer - IVI - Accident-Prevention-School. A new method to increase the overall traffic safety by using real accident data and expert evidence