

EVU 2021

29th Annual Congress of the EVU, (ursprünglich 9. – 11.09.2020, aufgrund [COVID-19](#) zunächst auf 4. bis 6. November 2020 verschoben, am 27.6.20 komplett für 2020 abgesagt), **Haifa, Israel**

[http://www....](http://www...)

Thema:

Elektro- und Hybridfahrzeuge (E&HF's) / Electrical and Hybrid vehicles (E&HV's)

Schwerpunktthemen:

- Betrieb und Steuerung von E&HF's / Operation and control of E&HV's
- Auslesen und Analysieren von Daten aus E&HF's / Retrieval and analysis of data from E&HV's
- Post-Crash-Sicherheit von E&HF's / Post-crash safety of E&HV's
- Elektrisch angetriebene Zweiräder / Electrically powered two wheelers

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Inhaltsverzeichnis

- [1 Programm](#)
- [2 06.10.2021, online 09:00 – 16:30 h](#)
 - [2.1 1. Session \(Future of accident reconstruction\)](#)
 - [2.2 2. Session \(Data retrieval and analysis\)](#)
 - [2.3 3. Session \(Human Factors\)](#)
 - [2.4 EVU-Mitgliederversammlung 16:30 – 17:30 h](#)
- [3 07.10.2021, online 09:00 – 16:00 h](#)
 - [3.1 4. Session \(Vehicles\)](#)
 - [3.2 5. Session \(Vehicles\)](#)
 - [3.3 6. Session \(Reconstruction methods\)](#)
- [4 Bester Vortrag](#)
- [5 Poster](#)
- [6 Sonstiges](#)

Programm

06.10.2021, online 09:00 – 16:30 h

1. Session (Future of accident reconstruction)

- [Becker, M.](#): The Role of Accident Investigation and Reconstruction in the Judicial System and Potential Impact on Road Safety Promotion - Insights Based on Accident Investigation Experts and Lawyers Survey
- [Paula, D.](#); [Böhm, K.](#): Challenges in forensic reconstruction of traffic accidents involving

Advanced Driver Assistance Systems (ADAS)

- [Sinén, E.](#): Electronic data in crashed vehicles - between chance and challenge
- [Kreutner, M.](#): Needs and Requirements of EDR/DSSAD - Analysis based on Insurance Claims Reported to Allianz Germany

2. Session (Data retrieval and analysis)

- [Krajinovic, S.](#): Case study: Usage of "black box" data in tramway - pedestrian road accident
- [Peltz, C.](#): Second Generation of Digital Tachographs - Modifications and Accuracy of Data
- [Spek, A.](#): Anatomy of a car-following accident (Tesla)
- [Hoogendijk, F.](#): Reverse engineering and evaluation of Tesla vehicle logs
- [Weyde, M.](#): Status report: UNECE IWG on EDR/DSSAD (kein Paper im Tagungsband!)

3. Session (Human Factors)

- [Winninghoff, M.](#): Sounds of Silence: Comparison of silencing in modern cars compared to non-motorised road users with headphones
- [Pfleger, E.](#): Identification of accident risks at motorway access points and measures against wrong-way drivers
- [White, I.](#): Night Time Visibility of Pedestrians on Unlit Roads - A Comparison of Analysis Methods and Some Practical Suggestions
- [van Stekelenburg, G.](#); [Hetjes, B.](#): The transition of control from "Pilot-Assist" to Driver
- [Golka, U.](#): Faulty application of Tyre Pressure monitoring systems (TPMS) puts drivers and road users at risk

EVU-Mitgliederversammlung 16:30 - 17:30 h

07.10.2021, online 09:00 - 16:00 h

4. Session (Vehicles)

- [Nikolsky, O. L.](#); [Raz, U.](#): Theoretical analysis of potential risks in using Electrical Vehicles and Hybrid Vehicles vs actual field reports
- [Nebl, C.](#); [Wöhrle, K.](#); [Schweiger, H.-G.](#): Handling of accident-damaged electric vehicles
- [Golka, U.](#): Fitting errors of UHP / RFT (Ultra-High-Performance and Run-Flat Tyres) are causes of serious accidents
- [Köfalvi, G.](#); [Kabai, D.](#): Automatic force detection and tracking for tensioning devices in commercial vehicle load securing

5. Session (Vehicles)

- [Wolbers, J.](#); [Lilienbecker, L.](#); [Holtkötter, I.](#): Experimental investigation of the biomechanical load values by using new and old car seats in rear-end collisions
- [Böhm, K.](#): Reliability and performance of the AEB system of a Tesla Model X under different conditions
- [Ciepka, P.](#): Motorcycle Engine Braking Performance
- [Barisic-Jaman, B.](#): E-Bike Deceleration Analysis
- [Samara, M.](#); [Raz, U.](#): The effect of "Roll Bar" installed on QUADRI CYCLE (QUAD BIKE) on occupants safety

6. Session (Reconstruction methods)

- [Schmidt, M.](#): Non-linear optimization in accident analysis; s.a.
- [Strzeletz, R.](#): E-Scooter vs. Pkw
- [Zebala, J.](#): Finite Element Method (FEM) in the reconstruction of rear underride crashes
- [Marsano, G.](#): Influence of modern vehicle design on occupant load in low speed rear-end collisions
- [Wach, W.](#); [Unarski, J.](#): Analysis of video recordings using the lightboard: stabilization of timing, high-speed camera, exposure time

Bester Vortrag

- [Hoogendijk, F.](#): Reverse engineering and evaluation of Tesla vehicle logs

Poster

Sonstiges