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EVU 2019

28th Annual Congress of the EVU, 24. – 26.10.2019, Barcelona, Spanien

http://www.evu2019.org/

Thema:
Sicherheit in einem Umfeld sich entwickelnder Straßenmobilität: Verwundbare Verkehrsteilnehmer und Digitalisierung / Safety in an evolving road mobility environment: vulnerable road users and digitalisation

Schwerpunktthemen:

- Fußgänger und Fahrradunfälle / Pedestrian and bicycle accidents
- Unfälle mit motorisierten Zweirädern (einschließlich Pedelecs, Motorroller, Segways) / Motorized two-wheeled accidents (including pedelecs, scooters, segways)
- Digitalisierung (EDR, Verkehrssimulation, automatisches Fahren) / Digitisation (EDR, traffic simulation, automated driving)
- Open Forum mit Beiträgen aus sämtlichen Bereichen der Unfallrekonstruktion / Open forum with contributions from all areas of accident reconstruction

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- O.Ch. Ballester: Numerical analysis of thoracic impact conditions in motorcycle versus car accidents
- J. Unarski, A. Reza, W. Wach, J. Zębala, P. Ciępka: Looming effect and motorcycles
- T. De Ceunynck, F. Slootmans, P. Temmerman, S. Daniels: Blind spot crashes between vulnerable road users and heavy good vehicles in Belgium
- T. Serre: Use of powered two-wheelers multibody model for accident reconstruction
- C. Goddard: Behavior of motorcycle instrument clusters during a collision
- F. Hao., L. Guo-quing, V. Shao-you: Study on the friction coefficient of e-bicycle side sliding
- M. Wisch: Characteristics of road traffic accidents involving powered two-wheelers in Europe and Australia - results from PIONEERS

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- C. Wilkinson, B. Heinrichs, D. King: Evaluation of the accuracy of speed change reported by event data recorders in airbag control modules
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- M. Dalessi, F. Balzaretti: Analysis of a frontal crash between two vehicles equipped with EDR and CDR compatible
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- D. Watzenig: Event data recording in autonomous driving
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- J. Gwehenberger, Ch. Lauterwasser, M. Borrack, M. Kreutner, C. Reinkemeyer: Automated driving functions - safety potential, challenges and solution from AZT' perspective
- A. Kuhn: About new roles and needs in the development and safeguarding of futures automated driving function
- A. Moser, H. Steffan: Künstliche Intelligenz (KI) in der Unfallrekonstruktion / Artificial intelligence (AI) in accident reconstruction
- K. Bucsuhazy, V. Svozilova, M. Semela, M. Belak, P. Maxera, I. Stana, M. Bilik, A. Vemola: Driver behavior measured by eyetracking, acquisition of biosignals and vehicle data in regular road traffic

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- K. Boström, H. Wagner, M. de Lussanet, A. Mühlbeier, W. Kalthoff, W.H.M. Castro: Analyse der Insassenbewegung bei schieffrontalen Kollisionen – Ergebnisse aus nahezu 900 Stoßexperimenten / Motion analysis of occupants on oblique frontal collisions - Results of almost 900 experimental impacts
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- B. Härtel, L. Hannawald: Research and development of a new biofidelic dummy
- A. Schäuble: How realistic is the biofidelic dummy in terms of reconstruction parameters and biomechanics

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- B. Schützhofer: Physiological and psychological capacities in human perception and the implications for hazard perception

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- R. Banse, M. Monzel, K. Keidel, W. Schubert: Road safety effects of frontal brake lights. Evidence from a laboratory and field study.

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