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In der Zeitschrift werden nur sporadisch Beiträge mit Bezug zur Unfallrekonstruktion veröffentlicht.

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Herausgeber

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Veröffentlichungen

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029

Dieser Artikel oder Abschnitt bedarf einer Überarbeitung. Hilf mit, ihn zu werbessern, und entferne anschließend diese Markierung.

2020

- Determining vehicle pre-crash speed in frontal barrier crashes using artificial neural network for intermediate car class
- Car speed estimation based on image scale factor
- A new method for opening quartz halogen light bulbs in vehicle accident investigations

2019

- Chest compression of a pregnant woman by a seatbelt might affect fetal outcome, even in minor to moderate frontal vehicle collisions
- Nonlinear methods of vehicle velocity determination based on inverse systems and tensor products of Legendre polynomials in compact car class
- Vehicle stiffness assessment for energy loss evaluation in vehicle impacts
- Vehicle accident reconstruction by a reduced order impact model

2018

- Non-linear method of determining vehicle pre-crash speed based on tensor B-spline products with probabilistic weights — Intermediate Car Class
- A virtual reality method for digitally reconstructing traffic accidents from videos or still images
- Analysis of vehicle collision accidents based on qualitative mechanics
- Methods for describing different results obtained from different methods in accident reconstruction
- Determining the initial impact of rear-end collisions by trace evidence left on the vehicle from tires: A case report
- Work of non-elastic deformation against the deformation ratio of the Subcompact Car Class using the variable correlation method
- Reliability verification of vehicle speed estimate method in forensic videos

• Optimization analysis in reconstruction of vehicle collision accidents with deficient EDR data

2017

- Nonlinear approximation method of vehicle velocity Vt and statistical population of experimental cases
- Simulation of mirror surfaces for virtual estimation of visibility lines for 3D motor vehicle collision reconstruction
- Application of forensic image analysis in accident investigations
- The influence of impact direction and axial loading on the bone fracture pattern
- Methods for analyzing the uncertainty of a reconstructed result in a traffic accident with interval and probabilistic traces

2016

- Car speed estimation based on cross-ratio using video data of car-mounted camera (black box)
- Front blind spot crashes in Hong Kong
- Characterization of automotive paint by optical coherence tomography
- The impact velocity and bone fracture pattern: Forensic perspective
- A Taylor-Affine Arithmetic for analyzing the calculation result uncertainty in accident reconstruction
- Calculation reliability in vehicle accident reconstruction

2015

- Validation of pedestrian throw equations by video footage of real life pedestrian/vehicle collisions
- A simple algorithm for analyzing uncertainty of accident reconstruction results
- Motorcycle helmets: What about their coating?

2014

- Application of cross-ratio in traffic accident reconstruction
- Fall from height in a stairwell mechanics and simulation analysis

2013

- Classification and individualization of used engine oils using elemental composition and discriminant analysis
- Finite element analysis of pedestrian lower limb fractures by direct force: The result of being run over or impact?
- Car-to-pedestrian accident with a unique decollement injury
- Structural reliability of road accidents reconstruction

2012

- Complete trunk severance of a motorcyclist by a traffic sign post at a comparably low collision speed
- Response surface methodology and improved interval analysis method—For analyzing uncertainty in accident reconstruction
- Pedestrian accident analysis with a silicone dummy block
- Analyzing the uncertainty of simulation results in accident reconstruction with Response Surface Methodology

2011

- Severity of vehicle bumper location in vehicle-to-pedestrian impact accidents
- Suicide of a cyclist
- Death by complete decapitation of motorcyclist wearing full face helmet: Case report
- Comparison of injuries sustained by drivers and pillion passengers in fatal head-on motorcycle collision accidents
- Analysis and application of relationship between post-braking-distance and throw distance in vehicle-pedestrian accident reconstruction

2010

• Two non-probabilistic methods for uncertainty analysis in accident reconstruction

2007

- Application of 3D documentation and geometric reconstruction methods in traffic accident analysis: With high resolution surface scanning, radiological MSCT/MRI scanning and real data based animation
- Uncertainty of calculation results in vehicle collision analysis

2004

• Traumatology of the traffic accident—dead people for the safety in traffic

2003

• Forensic engineering & road accident analysis

2002

- Evidential value of injuries useful for reconstruction of the pedestrian-vehicle location at the moment of collision
- Fatal pedestrian-bicycle collisions

2001

- Knee joint injuries as a reconstructive factors in car-to-pedestrian accidents
- Pelvis and hip joint injuries as a reconstructive factors in car-to-pedestrian accidents
- Was the pedestrian hit in an erect position before being run over?
- Neck injuries as a reconstructive parameter in car-to-pedestrian accidents
- Ankle joint injuries as a reconstruction parameter in car-to-pedestrian accidents

2000

- Matching tire tracks on the head using forensic photogrammetry
- Use of the software 'Poser4' in reconstruction of accident and crime scenes