

Forensic Science International

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



Inhaltsverzeichnis

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Chefredakteur

Veröffentlichungen

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Elsevier GmbH (Corporate Office)

Hackerbrücke 6

D-80335 München

fon: +49 89 53830

fax: +49 89 5383 939

Chefredakteur

P. Saukko

Department of Forensic Medicine

University of Turku

SF-20520 Turku, Finland

fon: (+358) 2 3337543

fax: (+358) 2 3337600

eMail: psaukko-at-utu.fi

web: <https://www.journals.elsevier.com/forensic-science-international>

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Veröffentlichungen

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 Dieser Artikel oder Abschnitt bedarf einer Überarbeitung. Hilf mit, ihn zu verbessern, 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 V_t 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

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Diese Seite wurde zuletzt am 10. März 2020 um 16:52 Uhr bearbeitet.

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