Centre for Automotive Safety Research

Additions to the CASR library during January 2005

If interested in conference proceedings or book chapters please select individual papers for copy. Hard copy reports will be loaned.
ANIMAL

1. Human deaths in crashes with animals can be reduced, even without reducing the collisions.


Shelf location: Periodical Collection

BICYCLE HELMET

2. Bicycle safety helmet legislation and bicycle-related non-fatal injuries in California.

Lee B H-Y et al

Accident Analysis and Prevention 2005; 37(1): 93-102

Shelf location: Periodical Collection

BIOMECHANICS


IRCOBI (International Research Council of Biomechanics of Impacts), 2004 344p.

Contents:
I. Problems with comparing vehicle compatibility issues in US and UK fleets / Padmanaban J et al (pp13-24)
II. Injury risks for children in child restraint systems in side impact crashes / Arbogast KB et al (pp25-36)
III. A comparison of roadside crash test occupant risk criteria using event data recorder technology / Gabauer D et al (pp37-49)
IV. Human volunteer head-T1 response for oblique impact conditions / Philippens M et al (pp53-68)
V. Comparative study between finite element human head and dummy head model responses under impact / Neale M et al (pp69-78)
VI. Human head FE modelling: improvement of skull geometry and brain constitutive laws / Deck C et al (pp79-92)
VII. The role of muscle tensing on the force-deflection response of the thorax and a reassessment of frontal impact thoracic biofidelity corridors / Kent R et al (pp95-108)
VIII. Human spine behaviour under thoracic and pelvic lateral impacts - comparison with WorldSID dummy behaviour / Compigne S et al (pp109-124)
IX. Development of injury criteria for pelvic fracture in frontal crashes / Bass CR et al (pp125-136)
X. Small female-specific biomechanical corridors in side impacts / Yoganandan N et al (pp137-152)
XI. Validation of lower extremity model in THUMS / Chawla A et al (pp155-166)
XII. Pedestrian impact priorities using real-world crash data and harm / Fildes B et al (pp167-178)
XIII. Dynamic response corridors and injury thresholds of the pedestrian lower extremities / Ivarsson J et al (pp179-192)
XIV. Pedestrian lower limb injury criteria evaluation - a finite element approach / Arnoux PJ et al (pp193-206)
XV. Methodologies for motorcyclist injury prediction by means of computer simulation / Rogers NM et al (pp207-218)
XVI. Rear impact neck protection by reducing occupant forward acceleration - a study of cars on Swedish roads equipped with crash recorders and a new anti-whiplash device / Krafft M et al (pp221-232)
XVII. Real-world rear impacts reconstructed in sled tests / Linder A et al (pp233-244)
XVIII. Comparison of frontal and rear-end impacts for car occupants with whiplash-associated disorders: symptoms and clinical findings / Bunketorp O et al (pp245-256)
XIX. Parametric analysis of vehicle design influence on the four phases of whiplash motion / Sendur P et al (pp257-268)
XX. Effects of reflexive cervical muscle contraction on whiplash kinematics and injury / Stemper BD et al (pp269-282)
XXI. Influences of neck muscle tension on cervical vertebral motions during direct loading on human head / Ono K et al (pp283-296)
XXII. AIS1 neck injury reducing effect of WHIPS (whiplash protection system) / Jakobsson L, Norin H (pp297-305)
XXIII. Rollover stability of three-wheeled vehicles / Mukerjee S et al (pp309-310)
XXIV. Arguments for 3D-scanning and 3D-photogrammetry as basis for accident reconstruction / Arnold J, Braun M (pp311-312)
XXV. The effect of driver positioning on the dynamic response to a potential accident event / Couper GJ, McCarthy MG (pp313-314)
XXVI. The significance of "permanent disabilities database" caused by automobile collisions in Japan / Ono K et al (pp315-316)
XXVII. Pedestrian safety - collision with personal car and van vehicle / Schejbalova Z et al (pp317-318)
XXVIII. Evaluation of the simulated response of the human brain subjected to different accelerations during a frontal impact / Vezin P, Verriest JP (pp319-320)
XXIX. A study of neck soft tissue injury mechanisms during whiplash using human FE model / Hasegawa J (pp321-322)
XXX. Analysis of finite element model for neck injury mechanisms in low speed rear end collisions / Ejima S et al (pp323-324)
XXXI. Rib fracture prediction using finite element modeling: a sensitivity analysis of the effects of failure strain selection / Stitzel J et al (pp325-326)
XXXII. Development of an experimental hip impact model to test hip protectors / Derler S et al (pp327-328)
XXXIII. The patterns of diaphyseal fractures of the lower limbs in vulnerable participants in real world traffic accidents / Tersinski G, Madro R (pp329-330)
XXXIV. Knee injuries in alpine skiing - computer simulations / Kietlinski K, Rzymkowski C (pp331-332)
XXXV. The effects of freezing on the mechanical properties of articular cartilage / Duma S et al (pp333-334)
XXXVI. Development of three-year-old child human FE model / Mizuno K et al (pp335-336)
XXXVII. Side impact protection and belt positioning boosters for children / Huot M et al (pp337-338)
XXXVIII. Influence of the outside air intertia effect on airbag deployment / Tudruj S et al (pp339-340)
XXXIX. The PRISM project - identifying the needs for European smart restraints / Morris R et al (pp341-342)
XL. WorldSID, an enhanced, harmonised mid male side impact dummy / Hautmann E et al (pp343-344)

Notes: CD of conference proceedings in library CD rack

Shelf location: BL IRCOBI

Dionne G; Lanoie P


Shelf location: BK COST/24

CYCLING

5. Scanning: good cyclists keep their eyes up and their brains switched on.

Nash G

Australian Cyclist 2005; Jan/Feb: 44-45

Shelf location: Periodical Collection

DRINK DRIVING

6. A meta-analysis of .08 BAC laws in 19 jurisdictions in the United States.

Tippetts AS et al

Accident Analysis and Prevention 2005; 37(1): 149-161

Shelf location: Periodical Collection
DRIVER TRAINING

7. The effects of driver training on simulated driving performance.

Dorn L; Barker D

Accident Analysis and Prevention 2005; 37(1): 63-69

Shelf location: Periodical Collection

DRUG

8. Drugs and crime: a study of incarcerated female prisoners.

Johnson H

Canberra: Australian Institute of Criminology, 2004


Shelf location: Online (see URL)

FATALITY RATE


Koptis E; Cropper M


Shelf location: Periodical Collection
FLEET MANAGEMENT

10. Safer cars save lives: the ANCAP car safety kit: helping you make the safest choice when buying a new or used car.

Perth : Road Safety Council of Western Australia, 2004

Notes: Collection of pamphlets and a CD-ROM (for PC use only) designed to assist fleet managers in vehicle safety considerations.

Shelf location: GN 27/54/5

INJURY PATTERN

11. The association between body mass index and diaphragm injury among motor vehicle collision occupants.

Reiff DA et al

Journal of Trauma 2004; 57(6): 1324-1328

Shelf location: Periodical Collection

12. Change in velocity and energy dissipation on impact in motor vehicle crashes as a function of the direction of crash: key factors in the production of thoracic aortic injuries, their pattern of associated injuries and patient survival - a crash injury research engineering network (CIREN) study.

Siegel JH et al

Journal of Trauma 2004; 57(4): 760-778

Shelf location: Periodical Collection
INJURY SEVERITY SCALE

Stephenson S et al
Shelf location: Periodical Collection

INJURY SEVERITY SCALE

Wodzin E
Inroads 2004; 10(2): 10-11
Shelf location: Periodical Collection

LOCAL GOVERNMENT

New South Wales : Roads and Traffic Authority, 2004

Contents:
I. The national road safety strategy: a view from the balcony / Motha J
II. Outcomes of the alcohol and country road summits: implications for future planning for local government road safety projects and planning / Job S
III. Road safety principles and how they apply to local government's role and operating environment / Job S
IV. What works in local government road safety programs / Taylor R
V. Where is the evidence that speeding is a road safety issue / Carseldine D
VI. Evaluation of fixed speed cameras in New South Wales / Carseldine D
VII. Slow down in town! an urban speed project / Suitor M
VIII. Motorcycling in the Snowy Mountains / Stewart T
IX. Motorcycle safety - issues and countermeasures: public education campaigns / Walker E
X. Building bridges / Wood B
XI. Drive: a driver awareness program for senior drivers / Blanchette S
XII. Vulnerability of older road users / Deroos M
XIII. Fatalities in elderly drivers and pedestrians: neuropathological evaluation of sub-clinical dementia / Gorrie C et al
XIV. Drink safe walk safe / Campbell C
XV. The NSW sober driver program - a collaborative intervention program for repeat drink drivers / Caruana R, Harvey P
XVI. Drink walking: an examination of the related behaviour and attitudes of young people / Lang CP et al
XVII. RTA western region heavy vehicle program / Lea M
XVIII. RTA heavy vehicle campaigns / Preece R
XIX. Heavy vehicle driver fatigue in NSW / Williamson A
XX. Injuries to children in crashes / Brown J et al
XXI. Driveway safety project / Edwards J
XXII. An overview of the NSW road safety school education program / Meehan G
XXIII. Communicating with young people / Cochrane C
XXIV. Advancements in technology for road safety / Vertsonis H
XXV. Good sports: safe and healthy communities / Rogerson J
XXVI. Alcohol linking program / Wiggers J
XXVII. Sleepiness and sleep loss: risks of driving while drowsy / Bartlett DJ
XXVIII. Driver reviver: a community road safety program / Pepper M
XXIX. Evaluation of the Dr Karl driver fatigue campaigns / Wilson A
XXX. 40 km/h speed limit in NSW: high volume pedestrian areas / Deroos M
XXXI. Pedestrian and driver knowledge of priority rules for various types of crossings / Hatfield J et al
XXXII. Road crossings video / Shearer A et al
XXXIII. Safe city walking - CBD pedestrian awareness program / Woodman L
XXXIV. A look at youth road safety programs in New South Wales / Bruton G
XXXV. Arabic and Chinese campaign: working with parents for safer young drivers / Dell C
XXXVI. Supervised driving experience in learner drivers - the DRIVE study / Ivers R
XXXVII. Arrive alive grants scheme / Newland H

Notes: Contributions by Bartlett, Dell, Deroos, Ivers, Job, Motha, Pepper, Rogerson, Shearer, Vertsonis, Walker, Wiggers, Williamson, Woodman consist of only presentation slides or pages of notes.

Shelf location: BL ROAD SAFETY (CD)
MOBILE PHONE

16. Effects of practice on interference from an auditory task while driving: a simulation study.

Shinar D; Tractinsky N


Report no. DOT HS 809 689

URL:  

Shelf location: Online (see URL)

MOTORCYCLIST


Hundley JC et al

Journal of Trauma 2004; 57(5): 944-949

Shelf location: Periodical Collection

PEDESTRIAN


Graham D et al

Accident Analysis and Prevention 2005; 37(1): 125-135

Shelf location: Periodical Collection
19. Pedestrian safety and transit corridors.

Hess PM et al

Journal of Public Transportation 2004; 7(2): 73-93

Shelf location: BK PED/51

RANDOM BREATH TESTING

20. Blowing your licence.

SA Motor 2005; Jan/Feb: 36-37

Shelf location: Periodical Collection

ROAD SAFETY


Minneapolis : Center for Transportation Studies, University of Minnesota, 2004

12p.

Contents:
I. Welcome and opening remarks
II. Keynote presentation: national perspective - highway safety
III. Lunch presentation: comprehensive highway safety plan
IV. Airbags, side airbags, and their interaction with child safety
V. Getting the media's attention
VI. Law enforcement and communities working together
VII. Intelligent transportation systems and safety
VIII. Insights into driver behavior
IX. Barriers to traffic enforcement
X. The role of safe communities in towards zero deaths
XI. The CODES project: linking hospital data to crash data
XII. Engineering solutions: working together for Minnesota
22. Reflections on the highway safety field.

Williams AF


Notes: Text of Patricia F Waller Memorial Lecture Chapel Hill, North Carolina, 28 April 2004

Shelf location: Periodical Collection

RUMBLE STRIP

23. Review of the evidence for profile line markings as a road safety countermeasure: II what we know and what we need to research.

Job RFS; Hatfield J

RoadWise 2004; 15(3): 9-14

Shelf location: Periodical Collection
RURAL ROAD

Crowthorne: TRL Limited, 2004
URL:  http://www.trl.co.uk/abstracts/ppr026.pdf
Shelf location:  Online (see URL)

SEAT BELT

MacLennan PA et al
Shelf location:  Periodical Collection

26. Method to evaluate the effect of safety belt use by rear seat passengers on the injury severity of front seat passengers.
Shimamura M et al
Accident Analysis and Prevention 2005; 37(1): 5-17
Shelf location:  Periodical Collection
27. Community-based programs to promote car seat restraints in children 0-16 years - a systematic review.

Turner C et al

Accident Analysis and Prevention 2005; 37(1): 77-83

Shelf location: Periodical Collection

SIGNALIZED INTERSECTION

28. Impact of left-turn phasing on older and younger drivers at signalized intersections.

Hallmark SL; Mueller K

Ames: Centre for Transportation Research and Education, Iowa State University, 2004

71p.

URL: http://www.ctre.iastate.edu/reports/protect_permit.pdf

Shelf location: Online (see URL)

SPEED


SWOV Research Activities 2004; 27: 2-3

Notes: Short article on SWOV report (R-2004-9) Speed, speed distribution and the chance of road crashes: Literature study and inventory of research methods (Full report in Dutch with English summary)

Shelf location: Periodical Collection
30. Traffic safety dimensions and the power model to describe the effect of speed on safety.

Nilsson G

Sweden : Lund Institute of Technology, Department of Technology and Society, Traffic Engineering, 2004

Notes: Doctoral thesis

URL:  http://www.lub.lu.se/luft/diss/tec_733/tec_733.pdf

Shelf location: GN 110/35

SPEED LIMIT

31. An evaluation of the default 50km/h speed limits in Western Australia.

Hoareau E; Newstead SV

Clayton : Monash University Accident Research Centre MUARC, 2004


Shelf location: GN 12/230

STATISTICAL ANALYSIS

32. Statistical rigor or scientific error?: confusion of the two can lead to policies that harm, not help, public safety.


Notes: See also Hauer E The harm done by tests of significance Accident Analysis & Prevention 2004; 36(3): 495-500

Shelf location: Periodical Collection
33. Safer urban environments: road safety in land use planning guide.
Kew: VicRoads, 2004
9p.
Shelf location: GN 3/2004/1

Brisbane: Department of Main Roads, 2004
64p.
Shelf location: GN 70/28

35. Strategic plan 2005-06 to 2007-08.
Melbourne: National Transport Commission, 2004
31p.
Shelf location: GN 27/25/64
VEHICLE SAFETY

36. If you start into a curve too fast....


Notes: Article on an evaluation of the effectiveness of electronic stability control.

Shelf location: Periodical Collection

37. EuroNCAP crash tests: tests of cyclist-car front collisions recommended.

SWOV Research Activities 2004; 27: 3

Notes: Short article on SWOV report (R-2003-33) Cyclist-car front collisions; factors that influence occurrence and injury severity (Full report in Dutch with English summary)

Shelf location: Periodical Collection

38. The new car assessment program: does it predict the relative safety of vehicles in actual crashes?

Nirula R et al

Journal of Trauma 2004; 57(4): 779-786

Shelf location: Periodical Collection
WEATHER

39. The association of rainfall and other weather variables with road traffic volume in Melbourne, Australia.

Keay K; Simmonds I

Accident Analysis and Prevention 2005; 37(1): 109-124

Shelf location: Periodical Collection

YOUNG DRIVER

40. Measuring the impact of passenger restrictions on new teenage drivers.

Cooper D et al

Accident Analysis and Prevention 2005; 37(1): 19-23

Shelf location: Periodical Collection

41. Young drivers and road crashes: review of associated factors.

Lal SKL; Craig A

RoadWise 2004; 15(3): 3-8

Shelf location: Periodical Collection