NEW PUBLICATIONS

Additions to the CASR library during November

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

1. Bayesian multiple testing procedures for hotspot identification
   Miranda-Morento LF; Labbe A; Fu L
   Accident Analysis & Prevention 2007; 39(6): 1192-1201
   Shelf location: Periodical Collection

6. Mild neuritic changes are increased in the brains of fatally injured older motor vehicle drivers
   Gorrie CA
   Accident Analysis & Prevention 2007; 39(6): 1114-1120
   Shelf location: Periodical Collection

ACCIDENT RECONSTRUCTION

2. State DOT crash reconstruction practices - a synthesis of highway practice
   Pigman JG; Agent KR
   Washington DC : Transportation Research Board,
   Report no. 369 41p.
   Shelf location: Online

AIR BAG

7. Air bag associated burn
   Sinha VK; MacGill KA
   Emergency Medicine Australasia 2007; 19: 479-481
   Shelf location: BK AB/24

AGED DRIVER

3. Assessment of traffic control practices with respect to older drivers
   Meyer E; Atchley P
   Topeka : Kansas Department of Transportation
   Shelf location: Online

4. Crash risk of older drivers after attending a mature driver education program
   Nasvadi GE; Vavrik J
   Accident Analysis and Prevention 2007; 39(6): 1073-1079
   Shelf location: Periodical Collection

5. Enhancement of driver performance among older drivers
   Washington DC : AAA Foundation for Traffic Safety
   66p.
   Shelf location: Online

9. Realistic simulation models for airbags and humans - new possibilities and limits of FE simulation
   Pyttel T; Floss A; Thibaud C; Goertz C
   Shelf location: Periodical Collection

ALCOHOL USAGE

10. Continuous transdermal alcohol monitoring - a practitioner's guide
    Robertson R; Vanlaar W; Simpson H
    Ottawa : Traffic Injury Research Foundation
    56p.
    Shelf location: Online
BICYCLE HELMET

11. Bicycle helmet retention system testing and evaluation
   Mihora D; Hutchinson J; Friedman K; Valente J; Flanagan T; Sances A; Kumaresan S
   Shelf location: Periodical Collection

BLOOD ALCOHOL CONTENT

12. Impact of BAC limit reduction on different population segments - a Poisson fixed effect analysis
   Kaplan S; Prato CG
   Accident Analysis & Prevention 2007; 39(6): 1146-1154
   Shelf location: Periodical Collection

BUSES

13. National Code of Practice - Retrofitting passenger restraints to buses
   Shelf location: Online

14. Structural response of paratransit buses in rollover accidents
   Cicocki K; Wekezer JW
   Shelf location: Periodical Collection

CHILDREN

15. Investigation into child deaths and injuries from low speed vehicle run-overs
   Shelf location: Online or GN 26/1

CHILD RESTRAINT

16. Preliminary data indicate that booster seat laws increase child safety seat use
   Shelf location: Online

CRASHWORTHINESS

17. Crashworthiness optimization of empty and filled aluminium crash boxes
   Zarei HR; Kroger M
   Shelf location: Periodical Collection

18. Detailed tire modeling for crash applications
   Reid JD; Boesch DA; Bielenberg RW
   Shelf location: Periodical Collection

19. The localized low-velocity impact response of aluminium honeycombs and sandwich panels for occupant head protection - experimental characterization and analytical modelling
   Shitta-Bey OT; Carruthers JJ; Soutis C; Found MS
   Shelf location: Periodical Collection

20. Material and structural crashworthiness characterization of paratransit buses
   Horstemeyer MF; Siervogel J; Kwasniewski L; Wekezer J; Christian B; Roufa G
   International Journal of Crashworthiness 2007; 12(5): 509-520
   Shelf location: Periodical Collection
CYCLING

21. Making cycling irresistible - lessons from the Netherlands, Denmark and Germany
   Pucher J; Buehler R
   New Jersey : Rutgers University, 57p.
   Shelf location: GN 34/47

CYCLISTS

22. Road environment, crash type and hospitalisation of bicyclists ad motorcyclists presented to emergency departments in Western Australia
   Meuleners LB; Lee AH; Haworth C
   Accident Analysis & Prevention 2007; 39(6): 1222-1225
   Shelf location: Periodical Collection

23. Total costs of bicycle injuries in Norway - correcting injury figures and indicating data needs
   Veisten K; Saelensminde K; Alvaer K; Bjornskau T; Elvik R; Schistad T; Ytterstad B
   Accident Analysis & Prevention 2007; 39(6): 1162-1169
   Shelf location: Periodical Collection

DATA COLLECTION

24. Characteristics and availability of fatal road-crash databases worldwide
   Luoma J; Sivak M
   Michigan : University of Michigan Transport Research Institute
   Shelf location: GN 31/80

25. Crash data collection and analysis system
   Cherry E; Floyd R; Graves T; Martin S; Ward D
   Phoenix : Arizona Department of Transportation
   Shelf location: GN 42/17/4

26. Crash record systems
   Delucia BH; Scopatz RA
   Washington DC : Transportation Research Board
   Shelf location: GN 36/44

27. Development of road safety behaviour, travel and exposure surveys in Victoria
   Bobevski I; Clark B; Lenne M; Keall M; Diamantopoulou K; Cameron M
   Melbourne : Monash University Accident Research Centre
   Report no. 269 112p.
   Shelf location: Online

28. Technologies for improving safety data - a synthesis of highway practice
   Ogle JH
   Washington DC : Transportation Research Board
   Shelf location: Online

DRINK DRIVING

29. 2006 traffic safety annual assessment - alcohol-related fatalities
   Shelf location: Online

30. Early onset alcohol-use behaviours and subsequent alcohol-related driving risks in young women - a twin study
   Lynskey MT; Bucholz KK; Madden PAF; Heath AC
   Journal of Studies on Alcohol and Drugs 2007; 68(6): 798-804
   Shelf location: Periodical Collection
31. Impact of extended drinking hours in Ontario on motor vehicle collision and non motor vehicle collision injuries
Vingilis E; McLeod AL; Stoduto G; Seeley J; Mann RE
Journal of Studies on Alcohol and Drugs 2007; 68(6): 905-911
Shelf location: Periodical Collection

32. Reducing BACs to the legal limit
Status Report 2007; 42(10): 1-3
Shelf location: Periodical Collection

DRIVER BEHAVIOUR

33. Do familiarity and expectations change perception? Drivers' glances and response to changes
Martens MH; Fox MRJ
Transportation Research Part F 2007; 10F(6): 476-492
Shelf location: Periodical Collection

34. Driver distraction - a review of the literature
Kircher K
Linkoping : National Road and Transport Research Institute
Shelf location: GN 58/29 or Online

35. Frequency, determinants and consequences of different drivers emotions - an on-the-road study using self-reports (observed) behaviour and physiology
Mesken J; Hagenzieker MP; Rothengatter T; Waard D
Transportation Research Part F 2007; 10F(6): 458-475
Shelf location: Periodical Collection

36. Pre-crash investigation using a driving simulator and numerical analyses to determine the influence of the arms positions
Morvan H; Tan KH; Robache F; Pacaux MP; Drazetic P
International Journal of Crashworthiness 2007; 12(5): 531-539
Shelf location: Periodical Collection

DRIVING TEST

37. Success on a practical driver's license test with and without the presence of another testee
Rosenbloom T; Shahar A; Perlman A; Estreich D; Kirzner E
Accident Analysis & Prevention 2007; 39(6): 1296-1301
Shelf location: Periodical Collection

DRUG DRIVING

38. Drugs and driving in Australia
Mallick J; Johnston J; Goren N; Kennedy V
Shelf location: GN 33/1 Online

ELECTRONIC STABILITY CONTROL

39. Preliminary evaluation of electronic stability control effectiveness in Australasia
Scully J; Newstead S
Melbourne : Monash University Accident Research Centre
Report no. 271 58p.
Shelf location: GN 12/271 or Online

FATALITY

40. Prevention of motor-vehicle deaths by changing vehicle factors
Robertson LS
Shelf location: Periodical Collection

HEAD RERAINT

41. Smart head restraint system
Acar M; Clark SJ; Crouch R
Shelf location: Periodical Collection
HEAVY VEHICLE DRIVER

42. The sleep of commercial vehicle drivers under the 2003 hours-of-service regulations
Hanowski RJ; Hickman J; Fumero MC; Olson RL; Dingus TA
Accident Analysis & Prevention 2007; 39(6): 1140-1145
Shelf location: Periodical Collection

INJURY

46. The effect of brain mass and moment of inertia on relative brain-skull displacement during low-severity impacts
Zou H; Kleiven S; Schmiedeler JP
Shelf location: Periodical Collection

HELMET

43. Polymer foams to optimize passive safety structures in helmets
Viot P
Shelf location: Periodical Collection

LEARNER DRIVER

47. Helping learner drivers become safer drivers
Hanion S; Smith G
Motoring Directions 2007; Election 2007: 14-18
: Australian Automobile Association,
Shelf location: Periodical Collection

HELMET USAGE

44. Demographic, socioeconomic and attitudinal associations with children’s cycle-helmet use in the absence of legislation
Lang IA
Injury Prevention 2007; 13(5): 355-358
Shelf location: Periodical Collection

MOBILE PHONE

48. The contribution of passengers versus mobile phone use to motor vehicle crashes resulting in hospital attendance by the driver
McEvoy SP; Stevenson MR; Woodward M
Accident Analysis & Prevention 2007; 39(6): 1170-1176
Shelf location: Periodical Collection

HUMAN FATIGUE

45. A safety analysis of fatigue and drowsy driving in the state of Utah
Schultz GG; Young HT
Provo : Utah Department of Transport,
Shelf location: Online

MODELLING

49. Identification of the spongy bone mechanical behavior under compression loads - numerical simulation versus experimental results
Chaari F; Markiewicz E; Drazetic P
Shelf location: Periodical Collection
MOTORCYCLE

50. Fatal two vehicle motorcycle crashes
Longthorne A; Varghese C; Shankar U
Report no. DOT HS 810 834 34p.
Shelf location: Online

OVERTURNING

51. Consideration of vehicle handling and stability with improved roof strength
Okcuoglu M; Friedman K; Midhora D; Hutchinson J; Wiedmann J; Fink K; Reid S; Chan S
International Journal of Crashworthiness 2007; 12(5): 541-547
Shelf location: Periodical Collection

PEDESTRIAN

52. Diagnostic analysis of the logical model for pedestrian injury severity in traffic crashes
Sze NN; Wong SC
Accident Analysis & Prevention 2007; 39(6): 1267-1278
Shelf location: Periodical Collection

53. Evaluation of knee injury threshold in pedestrian-car crash loading using numerical approach
Bose D; Arnoux PJ; Cardot J; Brunet C
Shelf location: Periodical Collection

54. Measuring accident risk exposure for pedestrians in different micro-environments
Lassarre S; Papadimitriou E; Yannis G; Golas J
Accident Analysis & Prevention 2007; 39(6): 1226-1238
Shelf location: Periodical Collection

55. Mechanism analysis of pedestrian knee-bending angle by sedan-type vehicle using FE model
Tasuki T
Shelf location: Periodical Collection

56. Pedestrian signal safety for older persons
Stollof ER; McGhee H; Eccles KA
Washington DC : AAA Foundation for Traffic Safety
238p.
Shelf location: Online

PUBLIC TRANSPORT

57. Conditions of possible head impacts for standing passengers in public transportation - an experimental study
Robert T; Beillas P; Maupas A; Verriest J
International Journal of Crashworthiness 2007; 12(3): 319-327
Shelf location: Periodical Collection

REACTION TIME

58. Influence of reaction time on calculating vehicle speed in collision [2nd ed]
Brooks R
19p.

59. Using fuzzy signal detection theory to determine why experienced and trained drivers respond faster than novices in a hazard perception test
Wallis TSA; Horswill MS
Accident Analysis & Prevention 2007; 39(6): 1177-1185
Shelf location: Periodical Collection
60. The impact of red light cameras on safety in Arizona  
Shin K; Washington S  
Accident Analysis & Prevention 2007; 39(6): 1212-1221  
Shelf location: Periodical Collection

61. Evidence-based practice in road casualty reduction  
Hewson P  
Injury Prevention 2007; 13(5): 291-292  
Shelf location: Periodical Collection

62. Explicit and implicit self-enhancement biases in drivers and their relationship to driving violations and crash-risk optimism  
Harre N; Sibley CG  
Accident Analysis & Prevention 2007; 39(6): 1155-1161  
Shelf location: Periodical Collection

63. Beyond 2010 - a holistic approach to road safety in Great Britain  
Crawford E  
London: Parliamentary Advisory Council for Transport Safety  
94p.  
Shelf location: Online

64. International orientation on methodologies for modelling developments in road safety  
Reurings M; Commandeur J  
Netherlands: SWOV Institute for Road Safety Research  
Shelf location: Online

United Nations  
Shelf location: Online

66. Modelling the effects of an inflatable tubular structure (ITS) on occupant kinematics and injury risk in the rollover of a sports utility vehicle (SUV)  
Hu Y; Neal-Sturgess CE; Guo R  
Shelf location: Periodical Collection

67. Rural roads - the biggest killer  
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68. Do states upgrading to primary enforcement of safety belt laws experience increased daytime and nighttime belt use?  
Masten SV  
Accident Analysis & Prevention 2007; 39(6): 1131-1139  
Shelf location: Periodical Collection

69. Modelling and simulation of seat-integrated safety belts including studies of pelvis and torso responses in frontal crashes  
Gavelin A; Lindquist M; Oldenburg M  
Shelf location: Periodical Collection
70. Numerical studies concerning upper neck and head responses in frontal crashes with seat-integrated safety belts
Gavelin A; Lindquist M; Oldenburg M
Shelf location: Periodical Collection

71. Setting initial targets in vehicle side impact safety design using regression-based modeling
Deb A; Cheruvu KS
Shelf location: Periodical Collection

72. Contributory factors to traffic crashes at signalized intersections in Hong Kong
Wong SC; Sze NN; Li YC
Accident Analysis and Prevention 2007; 39(6): 1107-1113
Shelf location: Periodical Collection

73. Multi-scale and multi-model methods for efficient crash simulation
Greve L; Vlachoutis S
Shelf location: Periodical Collection

74. The credibility of speed limits on 80km/h rural roads - the effect of road and person(ality) characteristics
Goldenbeld C; van Schagen I
Accident Analysis & Prevention 2007; 39(6): 1121-1130
Shelf location: Periodical Collection

75. Development of strategies for best practice in speed enforcement in Western Australia
Cameron M; Delaney A
Shelf location: Online

76. Motor vehicle census, 31 March 2007
Canberra: Australian Bureau of Statistics, Report no. 9309.0
Shelf location: Online

77. Prepare for the invasion of road-bots
Reilly M
New Scientist 2007; 2630: 28
Shelf location: Periodical Collection

78. Benchmarking and accident characteristics of flat-fronted commercial vehicles with respect to pedestrian safety
Chinnaswamy GK; Chirwa EC; Nammi SK; Nowpada S; Chen T; Mao M
Shelf location: Periodical Collection

79. National convergence - let’s sort out our differences - proceedings of the 2007 Australian Institute of Traffic Planning and Management Incorporated Conference, Canberra, Australia, 31 October - 2 November 2007
Australian Institute of Traffic Planning and Management Incorporated, 287p.
Contents:
I. National convergence - meeting the
growing freight task on a congested network / Deegan M et al (pp27-43)

II. Trip rate and parking databases in New Zealand and Australia / Clark I (pp49-57)

III. Guidelines for undertaking transport assessments in New Zealand and Australia / Clark I et al (pp61-72)

IV. Managing urban congestion - national initiatives / Ockwell A et al (pp 75-93)

V. Delivering effective public transport outcomes in Australian cities - everyone has a role / Fleming D et al (pp96-106)

VI. Advantages of selective convergence in a federal system / Longworth T (pp111-123)

VII. Introduction of another-train-coming warning signs to pedestrian level crossings in Victoria and South Australia / Daff M (pp127-138)

VIII. The use of micro-simulation to determine the applicability of multiple marked foot crossings / Bitzios A (pp141-156)

IX. Rail freight planning across state boundaries - optimisation in the north south rail corridor study / Hunkin P et al (pp159-170)

X. Modelling of bus station access and capacity / Graham N (pp175-192)

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XVI. IKEA - local convergence for a multinational - traffic management for the opening of IKEA, Logan / Naiker D (pp275-285)

XVII. Revolutionising car parking - taking car park management in Australia and 'the world' to into the next century / Cohen D et al (pp289-287)

Shelf location: BL ROAD SAFETY

TRAFFIC REGULATIONS

80. The Highway Code
London : Department for Transport
Shelf location: Online

VARIABLE MESSAGE SIGN

81. Effects of route guidance variable message signs (VMS) on driver behaviour
Erke A; Sagberg F; Hagman R
Accident Analysis & Prevention 2007; 39(3): 447-457
Shelf location: Periodical Collection

VEHICLE COMPATIBILITY

82. The development of a load sensing trolley for frontal offset testing
Vermassen T; Schram R; McEvoy S
International Journal of Crashworthiness 2007; 12(3): 235-245
Shelf location: Periodical Collection

VEHICLE SAFETY

83. Association for the advancement of automotive medicine AAAM: 51st annual proceedings, Melbourne, Australia, 15-17 October, 2007
: Association for the Advancement of Automotive Medicine,
Contents:
I. Statewide annual hospital charges for acute care of traffic injuries - Nebraska 2004 / McKay MP (pp1-12)
II. Major trauma and the injury severity score - where should we set the bar? / Palmer C (pp13-30)
III. Opportunities for reduction in fatalities in vehicle guardrail collisions / Gabler

V. Characteristics of fractures of tibia and fibula in car impacts to pedestrians and bicyclists - influences of car bumper heights and shape / Otte D & Haasper C (pp63-80)

VI. The impacts of functional performance, behavior and traffic exposure on road-crossing judgments of young children / Oxlet JA, Congiu M, Whelan M, D-Elia A & Charlton J (pp81-96)

VII. The association between age, injury and survival to hospital among a cohort of injured motorcyclists / Dischinger PC, Ryb GE, Ho SM & Burch CA (pp97-112)

VIII. Are child passengers bringing up the rear? Evidence for differential improvements in injury risk between drivers and their child passengers / Winston FK, Zie D, Durbin DR & Elliot MR (pp113-128)

IX. Misuse study of LATCH attachment - a series of frontal sled tests / Menon R & Ghati Y (pp129-154)


XI. Frontal sled tests comparing rear and forward facing child restraints with 1-3 year old dummies / Sherwood CP & Crandall JR (pp169-180)

XII. Using child age or weight in selecting type of in-vehicle restraint - implications for promotion and design / Anderson RWG, Hutchinson TP & Edwards SA (pp181-196)

XIII. The economic benefits of child safety seat misuse reduction programs and design improvements for children in rear seats / Zaloshnja E & Miller TR (pp197-206)

XIV. Misuse of child restraint systems in crash situations - danger and possible consequences / Leslie P, Cuny S, Alonzo F, Tejera G & Cataldi M (pp207-224)

XV. Event data recorders in the analysis of frontal impacts / German A, Comeau J, McClafferty KJ, Shkrun MJ & Tiessen PF (pp225-244)

XVI. The exposure of children to deploying side air bags - an initial field assessment / Arbogast K & Kallan MJ (pp245-262)

XVII. An index for rating the total secondary safety of vehicles from real world crash data / Newstead S, Watson L & Cameron M (pp263-280)

XVIII. An evaluation of the EuroNCAP crash test safety ratings in the real world / Segui-Gomez M, Lopez-Valdes, FL & Frampton R (pp281-298)

XIX. Benefits of low severity frontal crash test / Digges K & Dalmotas D (pp299-318)

XX. Factors influencing occupant-to-seat belt interaction in far-side crashes / Douglas CA, Fildes BN, Gibson TF, Bostrom O & Pintar (pp319-342)

XXI. Biomechanical risk estimates for mild traumatic brain injury / Funk JR, Duma SM, Mannoogian SJ & Rowson S (pp343-362)

XXII. A weighted logistic regression analysis for predicting the odds of head/face and neck injuries during rollover crashes / Hu J, Chou CC, Yang KH & King AI (pp363-380)

XXIII. Age appropriate restraints for the right front passenger / Augenstein JS, Perdeck E, Digges K & Bahouth G (pp381-394)

XXIV. A population-based comparison of CIREN and NASS cases using similarity scoring / Stizel JD, Kilgo P, Schmotzer B, Gabler HC & Meredith JW (pp395-418)

XXV. Injury patterns in side pole crashes / Pintar FA, Maiman DJ & Yoganandan N (pp419-436)

XXVI. Evaluation of the use and benefits of passive alcohol sensors during routine traffic stops / Fell JC &
Compton C (pp437-448)
XXVII. Feasibility of transdermal ethanol sensing for the detection of intoxicated drivers / Webster GD & Gabler HC (pp449-464)
XXVIII. Overall impact of speed-related enforcement initiatives and factors on crash outcomes / D’Elia A, Newstead S & Cameron M (pp465-484)
XXX. Casualty crash types for which teens are at excess risk / Bingham CR & Shope JT (pp509-524)
XXXI. Validation of simulated assessment of teen driver speed management on rural roads / Senserrick TM, Brown T, Quistberg DA, Marshall D & Winston FK (pp525-536)
XXXII. The relationship of 16 underage drinking laws to reductions in underage driving drivers in fatal crashes in the United States / Fell JC, Fisher DA, Voas RB, Blackman K & Tippetts AS (pp537-558)
XXXIII. Driving responses of older and younger drivers in a driving simulator / Fildes B, Charlton J, Muir C & Koppel S (pp559-572)
Shelf location: BL AAAM BL AAAM [CD]

VULNERABLE ROAD USER

84. Road accidents involving vulnerable road users - in-depth investigation, numerical simulation and experimental reconstitution with PMHS
Serre T; Masson C; Perrin C; Chalandon S; Llari M; Py M; Cavallero C; Casari D
International Journal of Crashworthiness
2007; 12(3): 227-234
Shelf location: Periodical Collection