

Happy St. Patrick's Day from

Florida Forensic Engineering, Inc.

This newsletter is brought to you by Florida Forensic Engineering, Inc. as a service to our valued clients and other professionals with whom we hope to establish a business relationship. Every month, we will bring you news, reviews, article summaries, company information, and recent developments in the field of forensic engineering!

Recent Forensic and Safety Articles

Many times throughout the research process we run across articles that we identify as possible sources of information. We believe that some of these would broaden your knowledge of recent forensic engineering research and possibly provide you with information for one of your cases.

Shown below are Titles of recent articles and their source in the area of slip and fall-premise liability, motor vehicle accidents, product liability, and biomechanics.

Motor Vehicle Accidents

Computer Simulation of Staged Motorcycle-Vehicle Collisions Using EDSMAC4.

Deyerl E, Cheng L. [Accid Reconstr J 2007; 17\(4\): 33-45.](#)

Evaluation of Florida DOT Transportation Safety Devices.

Alberson DC. [Accid Reconstr J 2007; 17\(4\): 27-29.](#)

Right Turn Crashes at Signalised Intersections.

Kloeden CN, Versteegh SL, Lindsay VL, McLean AJ. [CASR Rep Ser 2007; \(CASR-007\): 1-36.](#)

Modeling and Simulation of Collisions of Heavy Trucks With Concrete Barriers.

Itoh Y, Liu C, Kusama R. [J Transp Eng 2007; 133\(8\): 462-468.](#)

Seat Belt Laws -- Repeal them?

Adams J. [Significance 2007; 4\(2\): 86-89.](#)

Clear Vision: Don't Drive Into a Situation Blindly.

Abelson P. Public Works 2007; 138(9): 31-32.

Older drivers, medical condition, medical impairment and crash risk.

Alvarez FJ, Fierro I. Accid Anal Prev 2008; 40(1): 55-60.

Passenger car collision fatalities - with special emphasis on collisions with heavy vehicles.

Bjornstig U, Bjornstig J, Eriksson A. Accid Anal Prev 2008; 40(1): 158-66.

Aggressiveness propensity index for driving behavior at signalized intersections.

Hamdar SH, Mahmassani HS, Chen RB. Accid Anal Prev 2008; 40(1): 315-26.

Effects of electronic stability control (ESC) on accidents: A review of empirical evidence.

Erke A. Accid Anal Prev 2008; 40(1): 167-73.

Determinants of traffic injuries in drivers and motorcyclists involved in an accident.

Majdzadeh R, Khalagi K, Naraghi K, Motevalian A, Eshraghian MR. Accid Anal Prev 2008; 40(1): 17-23.

An atypical air bag injury?

De Salvia A, Sergolini L, Pescarolo D. J Forensic Odontostomatol 2007; 25(2): 57-60.

Event data recorders in the analysis of frontal impacts.

German A, Comeau JL, McClafferty KJ, Shkrum MJ, Tiessen PF. Annu Proc Assoc Adv Automot Med 2007; 51:225-43.

Conspicuity and bicycle crashes: preliminary findings of the Taupo Bicycle Study.

Thornley SJ, Woodward A, Langley JD, Ameratunga SN, Rodgers A. Inj Prev 2008; 14(1): 11-8.

Observations of how drivers fasten their seatbelts in relation to various startup tasks.

Malenfant JE, Van Houten R. Accid Anal Prev 2008; 40(1): 309-14.

Stroke and Driving.

Poole D, Chaudry F, Jay WM. Top Stroke Rehabil 2008; 15(1): 37-41.

Identification of vehicle components associated with severe thoracic injury in motor vehicle crashes: A CIREN and NASS analysis.

Nirula R, Pintar FA. Accid Anal Prev 2008; 40(1): 137-41.

Injury patterns in side pole crashes.

Pintar FA, Maiman DJ, Yoganandan N. Annu Proc Assoc Adv Automot Med 2007; 51: 419-433.

Modeling left-turn crash occurrence at signalized intersections by conflicting patterns.

Wang X, Abdel-Aty M. Accid Anal Prev 2008; 40(1): 76-88.

Biomechanics and Motor Vehicle Crashes

Acetabular fracture in a 16-year-old secondary to an all-terrain vehicle accident.

[Adams RJ, Attia M. *Pediatr Emerg Care* 2008; 24\(1\): 44-5.](#)

Side impact causes multiplanar cervical spine injuries.

[Maak TG, Ivancic PC, Tominaga Y, Panjabi MM. *J Trauma* 2007; 63\(6\): 1296-307.](#)

Posttraumatic Anterior Lung Herniation in a Restrained Front Seat Passenger.

[Beran E, Dimitri WR, Marzouk JFK. *Inj Extra* 2007; 38\(12\): 433-435.](#)

Natural Optima in Human Skull: A Low-Velocity Impact Study.

[Anup S, Sivakumar SM, Suraishkumar GK. *Int J Crashworthiness* 2007; 12\(1\): 17-20.](#)

Characteristics on fractures of tibia and fibula in car impacts to pedestrians and bicyclists - influences of car bumper height and shape.

[Otte D, Haasper C. *Annu Proc Assoc Adv Automot Med* 2007; 51: 63-79.](#)

Helmet use and associated spinal fractures in motorcycle crash victims.

[Goslar PW, Crawford NR, Petersen SR, Wilson JR, Harrington T. *J Trauma* 2008; 64\(1\): 190-6; discussion 196.](#)

Slip and Fall

Barefoot-Pedestrian Tribometry: In Vivo Method of Measurement of Available Friction between the Human Heel and the Walkway.

[Besser M, Marpet M, Medoff H. *Ind Health* 2008; 46\(1\): 51-8.](#)

Quantified Risk Assessment for Fall From Height.

[Aneziris ON, Papazoglou IA, Baksteen H, Mud M, Ale BJ, Bellamy LJ, Hale AR, Bloemhoff A, Post J, Oh J.](#)

General

Measuring the burden of injury.

[Lyons RA. *Inj Prev* 2008; 14\(1\): 3-4.](#)

Epidemiology of injury in child and adolescent sports: injury rates, risk factors, and prevention.

[Caine D, Maffulli N, Caine C. *Clin Sports Med* 2008; 27\(1\): 19-50, vii.](#)

Calculating the optimum temperature for serving hot beverages.

[Brown F, Diller KR. *Burns* 2008; ePub\(ePub\): ePub.](#)

Not another 4th of July report: uncommon blast injuries to the hand.

[Frank M, Schmucker U, Hinz P, Zach A, Ekkernkamp A, Matthes G. *Emerg Med J* 2008; 25\(2\): 93-7.](#)

Content analysis of 100 consecutive media reports of amusement ride accidents.

[Woodcock K. *Accid Anal Prev* 2008; 40\(1\): 89-96.](#)

Mobile telephones, distracted attention, and pedestrian safety.

[Nasar J, Hecht P, Wener R. *Accid Anal Prev* 2008; 40\(1\): 69-75.](#)

Detergent-Induced Corneal Burn--A Case of Concern.

[David SS. *Inj Extra* 2008; 39\(2\): 53-55.](#)

Please do not hesitate to call with your technical engineering issues which may require analysis.

We thank you for your continued support,

Florida Forensic Engineering, Inc.

Elliot L. Stern, PhD, PE

Richard K. Spears, PhD, PE

Steven J. Koontz, PE, CFEI, CVFI, ACTAR

Deri Diaz, Director of Marketing

Rene M. Foley, Office Manager

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