



Florida Forensic Engineering, Inc.

6708 Benjamin Rd., Suite 500 Tampa, FL 33634
Hillsborough (813) 868-3334 / Fax (813) 514-1532
Pinellas (727) 581-1946 / Fax (727) 586-0493
Toll Free (800) 966-1946
www.flaforeng.com

Product Liability ♦ Vehicular Accident Reconstruction ♦ Premise Liability
Mechanical, Electrical, Civil, Chemical, Biomechanical, Metallurgical, Structural

Newsletter

October 2007

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.

In This Issue

[Motor Vehicle](#)

[Biomechanics](#)

[Slip & Fall](#)

[General](#)

Quick Links

[FFEI Previous Newsletters](#)

[About FFEI](#)

[FFEI Engineers](#)

[FFEI Services](#)

[Motor Vehicle:](#)

Light truck vehicles (LTVs) contribution to rear-end collisions

Harb R, Radwan E, Yan X, Abdel-Aty M. [Accid Anal Prev 2007; ePub\(ePub\): ePub.](#)

On-board cost effective event monitoring and recording system for enhanced road safety

Majdalani N, Stiharu I, Hong H. [Int J Veh Safety 2006; 13\(1-2\): 19-36.](#)

Back to the Future: Brake Reaction Times for Manual and Automated Vehicles

Young MS, Stanton NA. [Ergonomics 2007; 50\(1\): 46-58.](#)

[Biomechanics:](#)

How do the elderly negotiate a step? A biomechanical assessment

Benedetti MG, Berti L, Maselli S, Mariani G, Giannini S. [Clin Biomech 2007; 22](#)



[\(5\): 567-573.](#)

Biomechanics of road traffic collision injuries: a clinicians perspective

[Eid HO, Abu-Zidan FM. Singapore Med J 2007; 48\(7\): 693-700.](#)

A study of cervical spine kinematics and joint capsule strain in rear impacts using a human FE model

[Kitagawa Y, Yasuki T, Hasegawa J. Stapp Car Crash J 2006; 50: 545-66.](#)

Analysis and evaluation of the biofidelity of the human body finite element model in lateral impact simulations according to ISO-TR9790 procedures

[Ruan JS, El-Jawahri R, Rouhana SW, Barbat S, Prasad P. Stapp Car Crash J 2006; 50: 491-507.](#)

Accident Severity Analysis Using Ordered Probit Model

[Rifaat SM, Chin HC. J Adv Transport 2007; 41\(1\): 91-114.](#)

Biomechanics of Side Impact Injuries: Evaluation of Seat Belt Restraint System, Occupant Kinematics and Injury Potential

[Carlin F, Frieder R, Friedman K, Kumaresan S, Renfroe D, Sances A. Conf Proc IEEE Eng Med Biol Soc 2006;1\(1\): 87-90.](#)

Finite element modelling of metallic tubular crash structures with an explicit code

[Silcock M, Hall W, Fox B, Warrior N. Int J Veh Safety 2006; 1\(4\): 292-303.](#)

Slip & Fall:

Are distal radius fractures due to fragility or to falls? A consecutive case-control study of bone mineral density, tendency to fall, risk factors for osteoporosis, and healthrelated quality of life

[Nordvall H, Glanberg-Persson G, Lysholm J. Acta Orthop 2007; 78\(2\): 271-7.](#)

Trends in Hip Fracture Incidence in Young and Older Adults

[Wilson RT, Wallace RB. Am J Public Health 2007; ePub\(ePub\): ePub.](#)

General:

Sparklers, smoke bombs, and snakes, oh my! Effect of legislation on fireworks-related injuries in Minnesota, 1999-2005

[Roesler JS, Day H. Minn Med 2007; 90\(7\): 46-7.](#)

Heat waves and heat-related illness: preparing for the increasing influence of climate on health in temperate areas

[O'Malley PG. J Am Med Assoc JAMA 2007; 298\(8\): 917-9.](#)

Predicting throw distance variations in bicycle crashes

[Mukerjee S, Chawla A, Mohan D, Chandrawat S, Agarwal V. Int J Veh Safety 2006; 1\(4\): 304-315.](#)

Head first: Bicycle-helmet use and our children's safety

[Keezer MR, Rughani A, Carroll M, Haas B. Can Fam Physician 2007; 53\(7\): 1131-2.](#)

Identifying health and safety risks for childcare workers

[McGrath BJ. AAOHN J 2007; 55\(8\): 321-5.](#)

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