

# **Happy Valentine's Day**

*from Florida Forensic Engineering, Inc.*

## **Newsletter**

February 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.

### **Motor Vehicle**

#### **Dynamic Simulation of Collisions of Heavy High-Speed Trucks With Concrete Barriers.**

*Itoh Y, Liu C, Kusama R. Chaos Solitons Fractals 2007; 34(4): 1239-1244.*

#### **Computer Modeling of the Process of Overturning of the Automobile.**

*Sokolovskij E. Transport 2007; 22(1): 19-23.*

#### **Elucidating Vehicle Lateral Dynamics Using a Bifurcation Analysis.**

*Liaw DC, Chiang HH, Lee TT. IEEE Trans Intel Transp Syst 2007; 8(2): 195-2.*

#### **Freeway Speeds and Speed Variations Preceding Crashes, Within and Across Lanes.**

*Kockelman KM, Ma J. J Transp Res Forum 2007; 46(1): 43-61.*

#### **Fatal accidents in nighttime vs. daytime highway construction work zones.**

*Arditi D, Lee DE, Polat G. J Safety Res 2007; 38(4): 399-405.*

## **Biomechanics**

### **Association of Body Mass Index and Recovery From Whiplash Injuries: A Cohort Study.**

*Yang X, Cote P, Cassidy JD, Carroll L. Am J Epidemiol 2007; 165(9): 1063-1069.*

### **General health status and functional disability following injury in traffic crashes.**

*Fitzharris M, Fildes B, Charlton J, Kossmann T. Traffic Injury Prev 2007; 8(3): 309-20.*

### **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. Annu Proc Assoc Adv Automot Med 2007; 51: 363-379.*

### **Airbag-induced fatal subaxial cervical spinal cord injury in a low-velocity collision.**

*Batra S, Kumar S. Eur J Emerg Med 2008; 15(1): 52-5.*

### **Biomechanical risk estimates for mild traumatic brain injury.**

*Funk JR, Duma SM, Manoogian SJ, Rowson S. Annu Proc Assoc Adv Automot Med 2007; 51: 343-61.*

### **Lung Injury After Airbag Deployment: Airbag Lung.**

*Almeida FA, Vahid B, Pechet TTV, Costantini PJ, Farber JL. Inj Extra 2006; 37(5): 181-183.*

## **Slip & Fall**

### **Friction Measurements on Three Commonly Used Floors on a College Campus Under Dry, Wet, and Sand-Covered Conditions.**

*Li KW, Hsu YW, Chang WR, Lin CH. Safety Sci 2007; 45(9): 980-992.*

### **Aging and falls: Causes and prevention.**

*Lord SR. J Musculoskelet Neuronal Interact 2007; 7(4): 347.*

## **General**

### **Risk Perception in the Usage of Electrically Powered Gardening Tools.**

*van Duijne FH, Kanis H, Hale AR, Green B. Safety Sci 2008; 46(1): 104-118.*

### **Design, Operation, and Safety of At-Grade Crossings of**

**Exclusive Busways.**

*Eccles KA, Levinson HS. TCRP Report 2007; (117): 1-39.*

**Unintentional injuries among infants age 0-12 months.**

*Mack KA, Gilchrist J, Ballesteros MF. J Safety Res 2007; 38(5): 609-12.*

**Cycling injuries of the lower extremity.**

*Wanich T, Hodgkins C, Columbier JA, Muraski E, Kennedy JG. J Am Acad Orthop Surg 2007; 15(12): 748-56.*

**Pacemaker lead failure due to crush injury.**

*Erdođan O, Aktöz M. Anadolu Kardiyol Derg 2007; 7(4): 438-40.*

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.**

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