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

# Newsletter

September 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](#)

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### [Motor Vehicle:](#)

#### **A Traffic Accident Caused by Fatigue Failure of Axle**

*Park CS, Lee SH, Lee KJ. J Forensic Sci 2007; ePub(ePub): ePub.*

#### **Driver sensitivity to brake pulse duration and magnitude**

*Lee JD, McGehee DV, Brown TL, Nakamoto J. Ergonomics 2007; 50(6): 828-36.*

#### **Recent trends in fatal motorcycle crashes: an update**

*Newgard CD. Ann Emerg Med 2007; 50(2): 193-6.*

### [Biomechanics:](#)

#### **Driving pedal reaction times after right transtibial amputations**

*Meikle B, Devlin M, Pauley T. Arch Phys Med Rehabil 2006; 87(3): 390-4.*

#### **Modeling mechanisms of skull base injury for drivers in motor vehicle collisions**

*Grant JR, Rhee JS, Pintar FA, Yoganandan N. Otolaryngol Head Neck Surg 2007; 137(2): 195-200.*

#### **Occupant Dynamics in Rollover Crashes: Influence of Roof Deformation and Seat Belt Performance on Probable Spinal Column Injury**

*Bidez MW, Cochran JE, King D, Burke DS. Ann Biomed Eng 2007; ePub(ePub): ePub.*

#### **Mechanisms of abdominal organ injury in seat belt-restrained**

## **children**

[Arbogast KB, Kent RW, Menon RA, Ghatai Y, Durbin DR, Rouhana SW. J Trauma 2007; 62\(6\): 1473-80.](#)

## **Pediatric head and neck trauma from all-terrain vehicle accidents**

[Wang BS, Smith SL, Pereira KD. Otolaryngol Head Neck Surg 2007; 137\(2\): 201-5.](#)

## **Biomechanics of the aging spine**

[Board D, Stemper BD, Yoganandan N, Pintar FA, Shender B, Paskoff G. Biomed Sci Instrum 2006; 42: 1-6.](#)

## **Contemporary analysis of thoracic aortic injury: importance of screening based on crash characteristics**

[Michetti CP, Hanna R, Crandall JR, Fakhry SM. J Trauma 2007; 63\(1\): 18-24; discussion 24-5.](#)

## **The use of accident reconstruction for the analysis of traumatic brain injury due to head impacts arising from falls**

[Doorly MC, Gilchrist MD. Comput Methods Biomech Biomed Engin 2006; 9\(6\): 371-7](#)

## **The use of accident reconstruction for the analysis of traumatic brain injury due to head impacts arising from falls**

[Doorly MC, Gilchrist MD. Comput Methods Biomech Biomed Engin 2006; 9\(6\): 371-7.](#)

## **Slip & Fall:**

### **Influence of fall related factors and bone strength on fracture risk in the frail elderly**

[Sambrook PN, Cameron ID, Chen JS, Cumming RG, Lord SR, March LM, Schwarz J, Seibel MJ, Simpson JM. Osteoporos Int 2007; 18\(5\): 603-10.](#)

### **Re: 'Falls definition validation'**

[Skelton DA, Hauer K, Lamb S. Age Ageing 2006; 36\(1\): 111-112.](#)

## **General:**

### **Personal injury compensation**

[Harris IA. ANZ J Surg 2007; 77\(8\): 606-7.](#)

### **Factors affecting severity of bicycle-related injuries: The role of helmets in preventing head injuries**

[Abu-Zidan FM, Nagelkerke N, Rao S. Emergency Med Australas 2007; 19\(4\): 366-71.](#)

### **A case of photic retinal injury associated with exposure to plasma arc welding**

[Choi SW, Chun KI, Lee SJ, Rah SH. Korean J Ophthalmol 2006; 20\(4\): 250-3.](#)

### **Domestic ocular injuries: A case series**

[Mansouri MR, Mirshahi A, Hosseini M. Eur J Ophthalmol 2007; 17\(4\): 654-9.](#)

### **Apparently life threatening events in infant car safety seats**

[Tonkin SL, Vogel SA, Bennet L, Gunn AJ. Br Med J 2006; 333\(7580\): 1205-6.](#)

### **Assessment of hazardous material risks for rail yard safety**

[Glickman TS, Erkut E. Safety Sci 2007; 45\(7\): 813-822.](#)

### **Strangulation injuries in children**

[Sep D, Thies KC. Resuscitation 2007; 74\(2\): 386-391.](#)

### **Injury Treatment among Children with Autism or Pervasive Developmental Disorder**

[McDermott S, Zhou L, Mann J. J Autism Dev Disord 2007; ePub\(ePub\): ePub.](#)

### **A review of epidemiology of pediatric elbow injuries in sports**

[Magra M, Caine D, Maffulli N. Sports Med 2007; 37\(8\): 717-35.](#)

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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