

NEWSLETTER

April 2007



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

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.

If you desire an abstract for any of these, please contact us.

BIOMECHANICS:

► Imaging of sports injuries in children and adolescents

Raissaki M, Apostolaki E, Karantanas AH. Eur J Radiol 2007; ePub(ePub): ePub.

► Finite Element Analysis of Hard and Soft Tissue Contributions to Thoracic Response: Sensitivity Analysis of Fluctuations in Boundary Conditions

Murakami D, Kobayashi S, Torigaki T, Kent R. Stapp Car Crash J 2006; 50: 169-89.

► Thoracic Response of Belted PMHS, the Hybrid III, and the THOR-NT Mid-Sized Male Surrogates in Low Speed, Frontal Crashes

Forman J, Lessley D, Shaw CG, Evans J, Kent R, Rouhana SW, Prasad P. Stapp Car Crash J 2006; 50: 191-215.

► Relationship between night myopia and night-time motor vehicle accidents

Cohen Y, Zadok D, Barkana Y, Shochat Z, Ashkenazi I, Avni I, Morad Y. Acta Ophthalmol Scand 2007; ePub(ePub): ePub.

► **Binocular visual-field loss increases the risk of future falls in older white women**

Coleman AL, Cummings SR, Yu F, Kodjebacheva G, Ensrud KE, Gutierrez P, Stone KL, Cauley JA, Pedula KL, Hochberg MC, Mangione CM. J Am Geriatr Soc 2007; 55(3): 357-64.

MOTOR VEHICLE ACCIDENTS:

► **Failure investigation of a tie rod end of an automobile steering system**

Falah AH, Alfares MA, Elkholy AH. Eng Failure Anal 2007; 14(5): 895-902.

► **Evaluation of fatigue life of aluminum alloy wheels under radial loads**

Raju PR, Satyanarayana B, Ramji K, Babu KS. Eng Failure Anal 2007; 14(5): 791-800.

► **An air crash due to failure of compressor rotor**

Ejaz N, Salam I, Tauqir A. Eng Failure Anal 2007; 14(5): 831-840.

► **An investigation of train driver visual strategies**

Luke T, Brook-Carter N, Parkes AM, Grimes E, Mills A. Cogn Technol Work 2006; 8(1): 15-29.

► **Psychological effects of road accidents: a challenge for public health**

Waszkowska M, Merez D. Med Pr 2006; 57(5): 479-84.

► **Probabilistic models of motorcyclists' injury severities in single- and multi-vehicle crashes**

Savolainen P, Mannering F. Accid Anal Prev 2007; ePub(ePub): ePub.

► **Antilock brakes and the risk of driver injury in a crash: A case-control study**

Cummings P, Grossman DC. Accid Anal Prev 2007; ePub(ePub): ePub.

► **On the nature of over-dispersion in motor vehicle crash prediction models**

Mitra S, Washington S. Accid Anal Prev 2006; ePub(ePub): ePub.

► **Head injuries in child pedestrian accidents: in-depth case analysis and reconstructions**

Yao J, Yang J, Otte D. Traffic Injury Prev 2007; 8(1): 94-100.

► **A normalised measure of relative roll instability for open-loop rollover warning**

Kar S, Rakheja S, Ahmed AKW. Int J Heavy Vehicle Syst 2006; 13(1-2): 74-97.

GENERAL:

► **Stress corrosion failure of high-pressure gas pipeline**

Hasan F, Iqbal J, Ahmed F. Eng Failure Anal 2007; 14(5): 801-809.

► **What is to be learned from damage and failure of reinforced concrete structures during recent earthquakes?**

Arslan MH, Korkmaz HH. Eng Failure Anal 2007; 14(1): 1-22.

▶ **General principles of the use of safety factors in design and assessment**

Burdekin FM. Eng Failure Anal 2007; 14(3): 420-433.

▶ **Safety factors in the design and use of pressure equipment**

Darlaston J, Wintle J. Eng Failure Anal 2007; 14(3): 471-480.

▶ **Evaluation of structural safety of a tilting bolster**

Kim JS, Kim NP. Eng Failure Anal 2007; 14(1): 63-72.

If you have a technical issue that requires engineering analysis, please do not hesitate to call.
We thank you for your continued support,

Everyone at Florida Forensic Engineering, Inc.

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Senior Engineer - Steve Koontz, PE

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