#### October 2012

# Volume 138, Issue 10, pp. 1215-1302

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## **TECHNICAL PAPERS**

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**Damage Detection for Space Truss Structures Based on Strain Mode** under Ambient Excitation

Zhao-Dong Xu and Ke-Yi Wu

J. Eng. Mech. 138(10), 1215-1223 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000426

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Online Publication Date: 14 Sep 2012

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Numerical Modeling of Tsunami Wave Run-Up and Effects on Sediment Scour around a Cylindrical Pier

Cunhong Pan and Wenrui Huang

J. Eng. Mech. 138(10), 1224-1235 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000406

Online Publication Date: 14 Sep 2012

Abstract | Full Text HTML | References | PDF (1466 KB) | Permissions

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Digital Generation of Non-Gaussian Spiky Excitations Using Spectral Representation with Additive Phase Structure

Seung H. Seong and Jon A. Peterka

J. Eng. Mech. 138(10), 1236-1248 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000431

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Online Publication Date: 3 Mar 2012

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Structural Damage Prediction in a High-Velocity Urban Dam-Break Flood: Field-Scale Assessment of Predictive Skill

Humberto A. Gallegos, Jochen E. Schubert, and Brett F. Sanders

J. Eng. Mech. 138(10), 1249-1262 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000427

| Cited 2 times

Online Publication Date: 25 Feb 2012

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**Energy Dissipation in Nearly Saturated Poroviscoelastic Soil Columns** during Quasi-Static Compressional Excitations

Tong Qiu and Yanbo Huang

J. Eng. Mech. 138(10), 1263-1274 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000428

Online Publication Date: 25 Feb 2012

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#### Dynamic Response to Pedestrian Loads with Statistical Frequency **Distribution**

Steen Krenk

J. Eng. Mech. 138(10), 1275-1281 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000425

Online Publication Date: 23 Feb 2012

Abstract | Full Text HTML | References | PDF (680 KB) | Permissions

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#### **Dynamics of Stress Fibers Turnover in Contractile Cells**

Louis Foucard and Franck J. Vernerey

J. Eng. Mech. 138(10), 1282-1287 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000430

I Cited 2 times

Online Publication Date: 1 Mar 2012

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#### Seismic Response of Asymmetric Rectangular Liquid-Containing **Structures**

Najib Bouaanani, Damien Goulmot, and Benjamin Miguel

J. Eng. Mech. 138(10), 1288-1297 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000423

| Cited 1 time

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### **DISCUSSIONS AND CLOSURES**

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Discussion of "Why the Observed Motion History of World Trade Center Towers Is Smooth" by Jia-Liang Le and Zdeněk P. Bažant **Crockett Grabbe** 

J. Eng. Mech. 138(10), 1298-1300 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000325

| Cited 1 time

Online Publication Date: 14 Sep 2012

Citation | Full Text HTML | References | PDF (98 KB) | Permissions

#### Closure to "Why the Observed Motion History of World Trade Center Towers Is Smooth" by Jia-Liang Le and Zdeněk P. Bažant

Zdeněk P. Bažant and Jia-Liang Le

J. Eng. Mech. 138(10), 1300-1301 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000362

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Online Publication Date: 14 Sep 2012

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# ERRATA

TOP 1

Erratum for "Explicit Analytic Solutions for the Accurate Evaluation of the Shear Stresses in Sandwich Beams" by Lorenzo Bardella and Daniele (F)

Tonelli Lorenzo Bardella and Daniele Tonelli

J. Eng. Mech. 138(10), 1302-1302 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000476

Online Publication Date: 14 Sep 2012

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