

**March 2011****Volume 137, Issue 3, pp. 155-226**

SELECTED: | Export Citations | Show/Hide Abstracts | Add to MyArticles | Email  | View 

Select All

## TECHNICAL PAPERS

### **Micromechanical Analysis for Interparticle and Assembly Instability of Sand**

C. S. Chang, Z.-Y. Yin, and P.-Y. Hicher

J. Eng. Mech. 137(3), 155-168 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000204](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000204)

| Cited 7 times

Online Publication Date: 24 Jul 2010

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(916 KB\)](#) | [Permissions](#)

+ Show Abstract

### **Effect of Specimen Diameter in Compression at High Strain Rates**

Iram Raza Ahmad and Dong Wei Shu

J. Eng. Mech. 137(3), 169-174 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000216](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000216)

| Cited 3 times

Online Publication Date: 31 Aug 2010

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(697 KB\)](#) | [Permissions](#)

+ Show Abstract

### **Modeling the Structural Effects of Rust in Concrete Cover**

Ioannis Balafas and Chris J. Burgoyne

J. Eng. Mech. 137(3), 175-185 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000215](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000215)

| Cited 8 times

Online Publication Date: 27 Aug 2010

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(793 KB\)](#) | [Permissions](#)

+ Show Abstract

### **Numerical Modeling of the Failure Behavior of Dowel Connections in Wood**

Bettina Franke and Pierre Quenneville

J. Eng. Mech. 137(3), 186-195 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000217](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000217)

| Cited 2 times

Online Publication Date: 15 Feb 2011

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1710 KB\)](#) | [Permissions](#)

+ Show Abstract

### **Improved Formulation in Mixed-Based State-Space Approach for Large Displacement Inelastic Analysis of Frames**

V. Jafari, M. Rahimian, and S. H. Vahdani

J. Eng. Mech. 137(3), 196-204 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000218](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000218)

| Cited 1 time

Online Publication Date: 2 Sep 2010

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(913 KB\)](#) | [Permissions](#)

+ Show Abstract



### Distributed Mass Damper System for Integrating Structural and Environmental Controls in Buildings

Tat S. Fu and Erik A. Johnson

J. Eng. Mech. 137(3), 205-213 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000211](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000211)

| Cited 10 times

Online Publication Date: 10 Aug 2010

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1347 KB\)](#) | [Permissions](#)

+ Show Abstract



### Fast Bayesian FFT Method for Ambient Modal Identification with Separated Modes

Siu-Kui Au

J. Eng. Mech. 137(3), 214-226 (2011);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000213](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000213)

| Cited 21 times

Online Publication Date: 15 Feb 2011

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(410 KB\)](#) | [Erratum](#) | [Permissions](#)

+ Show Abstract