

Publications

Bruce Gossett, *Managing Director and Publisher*

Journals Department

Angela Cochran, *Director, Journals*
 Kelly Anderson, *Managing Editor, Journals*
 Holly Koppel, *Managing Editor, Journals*
 Elizabeth Guertin, *Publishing Manager, Journals*
 Jennifer Parresol, *Senior Editorial Coordinator, Journals*
 Candice Gooch, *Editorial Coordinator*
 Nick Violette, *Editorial Coordinator*

Production Department

Matt Boyle, *Director, Publications Production*
 Shaun Halloran, *Senior Manager, Production*
 Rajashree Ranganathan, *Manager, Journals Production*
 Heather DiAngelis, *Senior Production Editor*
 Katie Fluke, *Production Editor*
 DeAndréa Johnson, *Production Editor*
 Kathryn Doughty, *Production Coordinator*
 Xi Van Fleet, *Senior Manager, Information Services*

Publishing Office

Journals Department
 ASCE
 1801 Alexander Bell Drive
 Reston, VA 20191-4382
 Telephone: (703) 295-6290
 E-mail: journal-services@asce.org

Journal of Engineering Mechanics



VOLUME 141 / ISSUE 2

FEBRUARY 2015

Technical Papers

- Landslide Impact on Submarine Pipelines: Analytical and Numerical Analysis.....04014109
Feng Yuan, Lingling Li, Zhen Guo, and Lizhong Wang
- FE² Method for Coupled Transient Diffusion Phenomena in Concrete04014110
Filip Nilenius, Fredrik Larsson, Karin Lundgren, and Kenneth Runesson
- Preconditioned Conjugate Gradient Method for Static Reanalysis with Modifications of Supports04014111
H. F. Liu, B. S. Wu, and Z. G. Li
- Experimental Investigation on the Impact Performance of Concrete-Filled FRP Steel Tubes04014112
Chen Chen, Yinghua Zhao, and Jackie Li
- Predictive Electromechanical Model for Energy Scavengers Using Patterned Piezoelectric Layers04014113
Riaz Ahmed and Sourav Banerjee
- Energy-Based Crack Initiation Criterion for Viscoelastoplastic Materials with Distributed Cracks04014114
Xue Luo, Rong Luo, and Robert L. Lytton
- Peridynamics-Based Digital Image Correlation Algorithm Suitable for Cracks and Other Discontinuities04014115
D. Z. Turner
- Nonlinear Viscoelastic Model for Describing the Response of Asphalt Binders within the Context of a Gibbs-Potential-Based Thermodynamic Framework04014116
S. P. Atul Narayan, Dallas N. Little, and Kumbakonam R. Rajagopal
- Eringen's Length-Scale Coefficients for Vibration and Buckling of Nonlocal Rectangular Plates with Simply Supported Edges04014117
Zhen Zhang, C. M. Wang, and Noël Challamel
- Finite-Element Sensitivity for Plasticity Using Complex Variable Methods04014118
Arturo Montoya, Randal Fielder, Armando Gomez-Farias, and Harry Millwater
- Symplectic Superposition Method for Benchmark Flexure Solutions for Rectangular Thick Plates04014119
Rui Li, Xiaoqin Ni, and Gengdong Cheng
- Constitutive Modeling of the Coupled Moisture-Mechanical Response of Particulate Composite Materials with Application to Asphalt Concrete04014120
Maryam Shakiba, Masoud K. Darabi, Rashid K. Abu Al-Rub, Dallas N. Little, and Eyad A. Masad

Technical Notes

- Tetrahedral Finite Element with Rotational Degrees of Freedom for
Cosserat and Cauchy Continuum Problems.....06014017
Xinwei Zhou and Gianluca Cusatis
- Numerical Investigation on Roll-Wave Properties: Wave–Wave
Interactions, Generality, and Spectrum.....06014018
Ziyi Huang and Jün-Jen Lee
- Analytical Solutions for Catenary Domes.....06014019
C. Y. Wang and C. M. Wang
- Measured Frequency for the Estimation of Cable Force by Vibration
Method.....06014020
Lianhua Wang, Xiaoyu Zhang, Sheng Huang, and Lifeng Li