

Board Publications Committee

Marc I. Hoit, Ph.D., A.M.ASCE, Chair D. V. Griffiths, P.E., F.ASCE Jon A. Schmidt, P.E., M.ASCE Daniel L. Thomas, Ph.D., P.E., D.WRE, F.ASCE

Kevin Womack, Ph.D., P.E., F.ASCE Bruce Gossett, Aff.M.ASCE, ASCE Staff Contact

Publications

Bruce Gossett, Managing Director and Publisher

Journals Department

Angela Cochran, Director, Journals Kelly Anderson, Publishing Manager, Journals

Holly Koppel, Managing Editor, Journals Elizabeth Guertin, Publishing Manager, Journals

Jennifer Parresol, Editorial Coordinator, Journals

Production Department

Matt Boyle, Director, Publications Production

Shaun Halloran, Manager, Journals Production

Rajashree Ranganathan, Assistant Production Manager

Nancy Green, Senior Production Editor
Julie Kimmel, Production Editor
Kathryn Doughty, Production Assistant
Xi Van Fleet, Manager, Information Services
Donna Dickert, Reprints

Publishing Office

Journals Department
ASCE
1801 Alexander Bell Drive
Reston, VA 20191-4400
Telephone: (703) 295-6290
E-mail: journal-services@asce.org

Journal of Engineering Mechanics

VOLUME	137 / NI	UMBER 8
--------	----------	---------

AUGUST 2011

Technical Papers

- 519 Model Uncertainty in Finite-Element Analysis: Bayesian Finite Elements T. Haukaas and P. Gardoni
- 527 Analysis of Soft Fibers with Kinematic Constraints and Cross-Links by Finite Deformation Beam Theory Franck Vernerey and Ronald Y. S. Pak
- 537 Two-Stage Extended Kalman Filters with Derivative-Free Local Linearizations Nilanjan Saha and D. Roy
- 547 Distant Damage-Assessment Method for Multilayer Composite Systems Using Electromagnetic Waves

 Tzu-Yang Yu
- 561 Quasi-Static Axial Damping of Poroviscoelastic Cylinders Zachary C. Grasley and Chin Leung
- 571 Attenuation and Damping of Multireflected Transient Elastic Waves in a Pile Yih-Hsing Pao and Yun-Yan Yu
- 580 Size-Effect Testing of Cohesive Fracture Parameters and Nonuniqueness of Work-of-Fracture Method Zdeněk P. Bažant and Qiang Yu