

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 / NUMBER 6

JUNE 2011

Technical Papers

- 383 Response of a Buckled Beam Constrained by a Tensionless Elastic Foundation
Jen-San Chen and Hsu-Hao Wu
- 390 A Novel Semiactive Variable Stiffness Device and Its Application in a New Semiactive Tuned Vibration Absorber
A. K. Ghorbani-Tanha, M. Rahimian, and A. Noorzad
- 400 Computational Fluid Dynamics Study of a Noncontact Handling Device Using Air-Swirling Flow
Xin Li, Shouichiro Iio, Kenji Kawashima, and Toshiharu Kagawa
- 410 Three-Dimensional Micromechanical Finite-Element Network Model for Elastic Damage Behavior of Idealized Stone-Based Composite Materials
Qingli Dai
- 422 Transient Response of Supported Beams to Moving Forces with Sinusoidal Time Variation
Francesco Ricciardelli and Carmelo Briatico
- 431 Modeling Viscoelastic Crack Growth in Hot-Mix Asphalt Concrete Mixtures Using a Disk-Shaped Compact Tension Test
Sungho Mun and Hyun-Jong Lee

Technical Notes

- 439 Microstructural Mechanisms of Early Age Cracking Behavior of Concrete: Fracture Energy Approach
Tongyan Pan, Yajun Liu, and Erol Tutumluer