

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 Patricia Jones Kershaw, Production Editor Heidi Koch, 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

APRIL 2015

VOLUME 141 / ISSUE 4 Technical Papers Characterization of Multilayered Stress Wave Attenuators Subjected to Impulsive Transient Loadings04014137 R. Rafiee-Dehkharghani, A. J. Aref, and G. F. Dargush Dimensional Analysis of the Pounding Response of an Oscillator Considering Contact Duration04014138 Changhai Zhai, Shan Jiang, and Zhiqiang Chen Gradient Elastodamage Model for Quasi-Brittle Materials with an Evolving Internal Length......04014139 Antonios Triantafyllou, Philip C. Perdikaris, and Antonios E. Giannakopoulos Three-Dimensional Extended Kantorovich Solution for Accurate Prediction of Interlaminar Stresses in Composite Laminated Panels with Interfacial Imperfections04014140 S. Kapuria and N. Dhanesh P-Δ Effect on Probabilistic Ductility Demand and Cumulative Dissipated Energy of Hysteretic System under Bidirectional Seismic Excitations......04014141 Bo Yu, LuFeng Yang, and Bing Li Three-Dimensional SGBEM-FEM Alternating Method for Analyzing Fatigue-Crack Growth in and the Life of Attachment Lugs04014142 Longgang Tian, Leiting Dong, Nam Phan, and Satya N. Atluri Finite-Element Formulations for the Spatial Static Response of Steel Beams Bonded to a GFRP Plate04014143 Phe Van Pham and Magdi Mohareb Exact Solution for Nonlinear Thermal Stability of Geometrically Imperfect Hybrid Laminated Composite Timoshenko Beams Embedded with SMA H. Asadi, Y. Kiani, M. Shakeri, and M. R. Eslami Polynomial Chaos Expansion and Steady-State Response of a Class of

Random Dynamical Systems......04014145

Control of Extreme Loads on Structures Using Membrane Vibrations.......04014146

E. Jacquelin, S. Adhikari, J.-J. Sinou, and M. I. Friswell

Samah Ben Ayed, Saad A. Ragab, and Muhammad R. Hajj

Journal of Engineering Mechanics

VOLUME 141 / ISSUE 4 APRIL 2015

Machine-Learning Methods for Earthquake Ground Motion Analysis and Simulation	04014147
Arzhang Alimoradi and James L. Beck	
Thermal Buckling Analysis of Circular Plates Made of Piezoelectric and	
Saturated Porous Functionally Graded Material Layers	04014148
M. Jabbari, A. Mojahedin, and E. Farzaneh Joubaneh	