

Board Publications Committee

Dennis R. Martenson, P.E., *Chair*

Carl L. Blum, P.E.

Kenneth L. Carper

Julie Ann Seaman

Robert H. Wortman

Publications

Bruce Gossett, *Managing Director and
Publisher*

Journals Department

Johanna M. Reinhart, *Director, Journals*

Jackie Perry, *Managing Editor,
Journals*

Andrew Barber, *Discussions and Closures*

Production Department

Charlotte McNaughton, *Director,
Production*

Angela Cochran, *Manager, Journals
Production*

Gene Sullivan, *Senior Production Editor*

Julie Magrin, *Production Editor*

Noel Pratt, *Production Editor*

Xi Van Fleet, *Manager, Information
Services*

Karen A. Ryan, *Manager, Copyrights and
Permissions*

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 Geotechnical and Geoenvironmental Engineering

VOLUME 130

NUMBER 1

JANUARY 2004

Technical Papers

- 5 FEB 2004

- 1 Design Strategies for Piled Rafts Subjected to Nonuniform Vertical Loading
Oliver Reul and Mark F. Randolph
- 14 Seismic Deformation of Bar Mat Mechanically Stabilized Earth Walls. I: Centrifuge Tests
Raj V. Siddharthan, Vela Ganeshwara, Bruce L. Kutter, Magdy El-Desouky, and Robert V. Whitman
- 26 Seismic Deformation of Bar Mat Mechanically Stabilized Earth Walls. II: A Multiblock Model
Raj V. Siddharthan, Vela Ganeshwara, Bruce L. Kutter, Magdy El-Desouky, and Robert V. Whitman
- 36 Influence of Stress Ratio and Stress Path on Behavior of Loose Decomposed Granite
Charles W. W. Ng, W. T. Fung, C. Y. Cheuk, and Liming Zhang
- 45 Seismic Stability of Soil Retaining Walls Situated on Slope
Ching-Chuan Huang and Yu-Hong Chen
- 58 Volumetric Threshold Shear Strain for Cyclic Settlement
Chu-Chung Hsu and Mladen Vucetic
- 71 Effect of Apparent Cohesion on Translational Failure Analyses of Landfills
Xuede Qian and Robert M. Koerner
- 81 Pressure-Dependent Elasticity and Energy Conservation in Elastoplastic Models for Soils
Itai Einav and Alexander M. Puzrin
- 93 Gas Permeability of Partially Hydrated Geosynthetic Clay Liners
Thaveesak Vangpaisal and Abdelmalek Bouazza
- 103 Nonlinear Seismic Response of Earth Dams with Canyon Interaction
Angeliki Papalou and Jacobo Bielak

Technical Notes

- 111 Direct Estimation of Yield Acceleration in Slope Stability Analyses
Jinman Kim and Nicholas Sitar

Discussions and Closures

- 116 Discussion of "Effect of Sampling Disturbance on Properties of Singapore Clay" by Thiam-Soon Tan, Fook-Hou Lee, Poh-Ting Chong, and Hiroyuki Tanaka
Ming-Fang Chang
- 118 Closure by Thiam-Soon Tan, Fook-Hou Lee, Poh-Ting Chong, and Hiroyuki Tanaka