of Civil Engineers


## H. Bolton Seed Memorial Lecture

809 The Sixth Seed Lecture
810 Introduction of T. L. Youd
Raymond B. Seed
811 Influence of Soil Softening and Liquefaction on Spectral Acceleration
T. Leslie Youd and Ben L. Carter

## Technical Papers

826 Supported Excavations: Observational Method and Inverse Modeling Richard J. Finno and Michele Calvello

837 Leachate Recirculation Using Horizontal Trenches in Bioreactor Landfills
Mazen M. Haydar and Milind V. Khire
848 Evaluation of Granular Activated Carbon, Shale, and Two Organoclays for Use as Sorptive Amendments in Clay Landfill Liners
Shannon L. Bartelt-Hunt, James A. Smith, Susan E. Burns, and Alan J. Rabideau

857 Development of an Equivalent Homogenous Fluid Model for Pseudo-Two-Phase (Air + Water) Flow through Fractured Rock J. Price and B. Indraratna

The Geo-Institute

886 Ground-Shotcrete Interaction of NATM Tunnels with High Overburden
Daniela Boldini, Roman Lackner, and Herbert A. Mang
898 Cohesive Slope Surface Failure and Evaluation Zhongjie Zhang, Mingjiang Tao, and Mark Morvant

907 Nonlinear Parameters for Granular Base Materials from Plate Tests Tong Li and Ronald L. Baus
914 Geotechnical Properties of Fly and Bottom Ash Mixtures for Use in Highway Embankments Bumjoo Kim, Monica Prezzi, and Rodrigo Salgado

925 Laboratory Investigation of Geosynthetic Clay Liner Desiccation in a Composite Liner Subjected to Thermal Gradients Jonathon M. Southen and R. Kerry Rowe

