Record Nr. UNINA9910456225303321 GeoFlorida 2010 [[electronic resource]]: advances in analysis, **Titolo** modeling & design / / sponsored by the Geo-Institute of the American Society of Civil Engineers: edited by Dante Fratta, Anand J. Puppala. Balasingam Muhunthan Pubbl/distr/stampa Reston, Va., : ASCE, 2010 **ISBN** 0-7844-7335-8 Descrizione fisica 1 online resource (3353 p.) Geotechnical special publication;; no. 199 Collana Altri autori (Persone) FrattaDante PuppalaAnand J MuhunthanBalasingam Disciplina 624.151 Soggetti Engineering geology Geological modeling Soil mechanics Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. ""Cover""; ""Table of Contents""; ""Keynote Lectures""; ""Prediction in Nota di contenuto Geoenvironmental Engineering: Recommendations for Reliable Predictive Modeling""; ""Reliability-Based Geotechnical Engineering""; ""Dynamic Analysis of Free-Falling Penetrometers in Soil Deposits""; ""Application of Numerical Analysis in Geotechnical Engineering Practice""; ""Geotechnical Modeling""; ""Modeling and Design of Geoenvironmental Systems""; ""Parameters Controlling Strength of Coal Fly Asha€?Lime Improved Soil""; ""Using WiscLEACH to Estimate Groundwater Impacts from Fly Ash Stabilized Layers in Roadways"" ""Novel Implicit Automated Time Stepping Algorithm for Contaminant Transport through Soil"""Advances in Computational Limit State Analysis and Design""; ""State-of-the-Art: Consolidation-Induced Contaminant Transport for High Water Content Geo-Materials"; ""Modeling of Geotechnical Engineering Systems""; ""A Coupled Damage

and Plasticity Drucker-Prager Model Based on Thermodynamics of Internal Variables""; ""Nonlinear Analysis for a Single Vertical Drain

Including the Effects of Preloading Considering the Compressibility and Permeability of the Soil""

""Multi-Physical Simulation of Freezing Unsaturated Soil""""Limit Equilibrium of 2D and 3D Nonhomogeneous Loaded Ground Masses""; ""A Comparison of Numerical Algorithms in the Analysis of Pile Reinforced Slopes""; ""Numerical Study of Effect of Encasement on Stone Column Performance""; ""Development of Performance Upgrade Technique of Existing Rockfall Protection Fence""; ""Modeling Soil-Pile Interaction under Axial Loading Using a Bilinear Mohr-Coulomb Based Model""; ""Numerical Modeling of Discontinuous Rock Masses"" ""Fracture and Fragmentation of Rock Subjected to Uniaxial Cyclical Loading"""Rock Catchment Area Design Charts""; "Load Transfer to Micro Pile Rock Socket""; ""Evaluating Ground Settlement above a Mined Area""; ""Rock Slope Stability Modeling""; ""Prediction of Side Resistance in Poor Quality Rock: RQD vs. GSI""; ""Slope Stability with Permanent Rock Anchors""; ""Stability Analysis of Vertical Boreholes Using a Three-Dimensional Hoek-Brown Strength Criterion""; ""Simulation of Pore-Scale Fluid Flow through Glass Beads Using Lattice Boltzmann Method"" ""Unsaturated Soil Modeling in Engineering Practice"""Analysis of Engineering Properties of Red Clay during Drying Process"; ""Shear Strength of Unsaturated Soil-Geotextile Interfaces""; ""Tidal Influence on Embankment Settlement in Coastal Louisiana""; ""Dynamic Capillary Effect and Its Impact on the Residual Water Content in Unsaturated Soils": ""Characterization of Unusual Ground Fissuring in a Dry Lakebeda€?Broadwell Basin, San Bernardino County, California""; ""Performance of Reinforced Collapsible Soil"" ""Unsaturated Hydraulic Conductivity of Compacted Lateritic Soil

Treated with Bagasse Ash""