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THANK YOU!

NAGS

Session #1 - Reinforcement in Static and Seismic Applications J. Collin and S. Bhatia

Parametric Analysis of Reinforced Soil Walls with Different Backfill Material Properties
By K. Hatami and R. Bathurst

Influence of Various Parameters on Seismic-Induced Permanent Displacement of Geosynthetic Reinforced Segmental Retaining Walls
By A. Kadayifci and E. Guler

Experimental Investigation of Geofoam Seismic Buffers using a Shaking Table
By S. Zarnani, R. Bathurst and A. Gaskin

Landfill Construction over Peat Deposits – A Case History
By T. Soong, R. Paajanen and X. Qian

Session #2 - Geosynthetics in Based Reinforcement J. Bowers and T-Y. Soong

Approach Embankment Supported by Geotextile Reinforced Sand Platform over Vibro Concrete Columns- A Case Study
By R. Wilson-Fahmy, S. Hanna, and R. Mankbadi

Use of Geosynthetics for Stabilizing Recycled Ballast in Railway Track Substructures
By B. Indraratna, M. A. Shahin, and W. Salim

Geosynthetic-Reinforced Column-Supported Embankment Design Guidelines
By J. Collin, J. Han, and J. Huang

Theoretical Analysis of Bending Stiffness Test of Geosynthetic-Reinforced Base Layer
By Z. Yuan

Interpretations of Behaviors of Reinforced Geotextile Composites
By H.-Y. Jeon, S.-H. Cho, and W.-S. Lyoo

**Session #3 - Geosynthetics for Reinforcement in Pavement Systems
and Perspective on Geosynthetic Education
K. Warren and S. Valero**

Probabilistic Analysis of Geosynthetic-Reinforced Unpaved Road Subject to Subgrade Variability

By P. Bourdeau

Comparison of a Mechanistic-Empirical Design Model to Measured Performance for Base-Reinforced Pavements

By S. Perkins and E. Cuelho

Design and Build of a Small-Scale MSE Wall: January 2005 Geo-Challenge Competition

By E. Freeman (no paper)

Issues Adversely Impacting the Ability to Integrate Geosynthetic Technology into Engineering Graduate and Post-Graduate Educational Requirements

By B. Mackey

**Session #4 - Student Papers
K. Hatami and Craig Lake**

Full Scale Geosynthetic-Reinforced Column-Supported Test Embankment

By A. Hassandi and T. Edil

The Short and Long Term Compressive Behavior of HDPE Geonet at Different Inclined Conditions

By S.-S. Yeo and Y. G. Hsuan

Numerical Investigation of Geofoam Seismic Buffers Using FLAC

By S. Zarnani and R. Bathurst

Examination of Metal Retention in Geosynthetic Clay Liners Following Permeation by Different Mining Solutions

By K. Lange

Use of GCLs to Control Leakage Through Geomembrane Defects Under High Hydraulic Heads

By C. Weber and J. Zornberg

Multi-Scale Assessment of Geotextile-Geomembrane Interaction

By D. Kim and J. D. Frost

Geotextile Separators for Dust Suppression in Gravel Roads

by E. A. Freeman and J. J. Bowders

Practical Construction Details Used to Build an Instrumented Flexible Pavement with Geosynthetics

by I. L. Howard and K. A. Warren

Session #5 - Geosynthetics in Drainage and Construction Site Run-off
A. Aydilek and D. Narejo

Geotextile Tube: Filtration Performance of Woven Geotextiles under Pressure

By K. Liao and S. K. Bhatia

Case History: Failure of a Geotextile Turbidity Curtain

By M. Harney and R. Holtz

Geotextile Biofilters for Wastewater Treatment

By C. Yaman, J. Martin and E. Korkut

Geotextiles for Filtering Water and Oil Fluids

By J. Scott

An Evaluation of Potential Clogging of Geonets and Geocomposites Due to Suspended Soil Particles

By D. Narejo

Session #6 - Geosynthetics in Containment Applications
B. Mackey and J. Olsta

Geosynthetics Research and Applications in the Mining and Mineral Processing Environment

By K. Renken, D. Mchaina and E. Yanful

Current Research on Dynamic Shear Behavior of Needle-Punched Geosynthetic Clay Liners

By P. Fox, T. Morrison, C. Nye, J. Hunter, and J. Olsta

Investigation of PVC Liner Leakage in a Very Large Evaporation Pond

By I. Peggs and J. Duhalde

Impacts and Limitations of Quality Assurance on Geomembrane Integrity

By B. Forget, A. Rollin and T. Jacquelin

Lessons Learned from a Geomembrane Liner Failure in a Cold Environment

By I. Peggs

Leachate Recirculation and Potential Concerns on Landfill Stability

By R. Thiel and M. Christie

Aluminium Migration Through a Geosynthetic Clay Liner

By C. Lake, G. Cardenas and G. Gagnon

GRI-19 Conference

Wednesday 12/14/05 Morning Session

Use of Low Permeability Backfill Soils in Geosynthetic Reinforced Walls and Slopes

Low Permeable Backfill Soils in Geosynthetic Reinforced Soil Walls: State-of-the-Practice in North America
by Barry Christopher

Geosynthetic Reinforced MSE Walls and Slopes with Fine Grained Fills: International Perspectives
by Chris Lawson

Full-Scale MSE Test Walls
by Richard P. Stulgis

Back Drainage Design and Geocomposite Drainage Materials
by Robert M. Koerner, Te-Yang Soong and George R. Koerner

Drainage Recommendations for MSE Walls Constructed with Marginal Fills
by Dean Sandri

Thursday 12/15/05 Morning Session

Use and Design of Geosynthetics in Heap Leach Systems

Geomembranes Used in Heap Leach SX-EW Mining: A Manufacturer's Perspective
by Mauricio Ossa

Heap Leach Facility Liner Design
by John F. Lupo

A Tale of Two Conditions: Heap Leach Pad versus Landfill Liner Strengths
by Allan J. Breitenbach and Richard S. Thiel

Designing for Vertical Pipe Deflection Under High Loads
by Mark E. Smith, Abigail Beck, Richard S. Thiel and Phil Metzler

Seismic Design/Analysis of Heap Leach Embankments
by Ellen M. Rathje (presentation only)

Friday 12/16/05 Morning Session
Continued Hot Topics in Geosynthetics

Activities in GSI-Korea – GCI-PCP of Geogrids

by *Han-Yong Jeon*

Long-Term Plastic Pipe Stiffness

by *Chiwan Wayne Hsieh, Chien-Chih Huang, and Jau-Bih Wang*

Advances on the Use of Geosynthetics in Hydraulic Systems

by *Jorge G. Zornberg*

Geosynthetic Engineering Concerns from a Manufacturer's Perspective

by *Boyd Ramsey*

Geosynthetic Manufacturing Concerns from a Consultant's Perspective

by *Mark D. Sieracke*

Design of Pressurized Liquid Distribution System for Landfill Liquids Addition
and Augmentation

by *Xianda Zhao, Morgan Subbarayan and Te-Yang Soong*

Geosynthetic Installation Damage Testing - A Status Report

by *Sam R. Allen*