



**NAGS 2005 / GRI 19 CONFERENCE  
 FLAMINGO HOTEL, LAS VEGAS, NV  
 DECEMBER 14 – 16, 2005**

<b>Tuesday (December 13, 2005)</b>	
<b>7:00 am to 8:00 am</b>	
<b>8:00 am to 12:00 am</b>	<b>NAGS Board Meeting</b>
	<b>IAGI Board Meeting</b>
	<b>GMA Executive Council</b>
<b>12:00 am to 1:15 pm</b>	<b>Lunch</b>
<b>1:30 pm to 6:00 pm</b>	<b>GSI Focus Group Meetings (Members only)</b>
<b>1:30 pm to 5:00 pm</b>	<b>IAGI General Assembly</b>
<b>4:30 pm to 5:30 pm</b>	<b>Registration Opens</b>
<b>5:30 pm to 7:30 pm</b>	<b>Ice Breaker</b>



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<b>Wednesday (December 14, 2005)</b>	
<b>7:00 am to 8:00 am</b>	<b>Registration</b>
<b>8:00 am to 9:30 am</b>	<b>GSI–Session #1 Use of Low Permeability Soils in Geosynthetic Reinforced Walls G. Koerner</b>
	State-of-the-Practice in North America <i>By B. Christopher</i>
	Geosynthetic Reinforced MSE Walls with Fine Grained Fills: International Perspectives <i>By C. Lawson</i>
	Full-Scale MSE Test Walls <i>By R. Stulgis</i>
	Back Drainage Design and Geocomposite Drainage Materials <i>By R..Koerne, T-Y. Soong and G. Koerner</i>
	Drainage Recommendations for MSE Walls Constructed with Marginal Fills <i>By D. Sandri</i>
<b>9:30 am to 10:00 am</b>	<b>Coffee Break</b>
<b>10:00 am to 11:45 am</b>	Panel Session Discussion on Above Topic and Questions from Audience
<b>11:45 am to 12:45 pm</b>	<b>Lunch in Exhibition Hall</b>
<b>12:45 pm to 2:15 pm</b>	<b>NAGS–Session #1 Reinforcement in Static and Seismic Applications J. Collin and S. Bhatia</b>
	Parametric Analysis of Reinforced Soil Walls with Different Backfill Material Properties <i>By K. Hatami and R. Bathurst</i>
	Influence of Various Parameters on Seismic-Induced Permanent Displacement of Geosynthetic Reinforced Segmental Retaining Walls <i>By A. Kadayifci and E. Guler</i>
	Experimental Investigation of Geofom Seismic Buffers using a Shaking Table <i>By S. Zarnani, R. Bathurst and A. Gaskin</i>
	Landfill Construction over Peat Deposits – A Case History <i>By T. Soong, R. Paajanen, D. Qian and M. Xin</i>
<b>2:15 pm to 2:45 pm</b>	<b>Soft Drink Break</b>
<b>2:45 pm to 4:30 pm</b>	<b>NAGS–Session #2 Geosynthetics in Based Reinforcement J. Bowders and T-Y. Soong</b>
	Approach Embankment Supported by Geotextile Reinforced Sand Platform over Vibro Concrete Columns- A Case Study <i>By R. Wilson-Fahmy, S.Hanna, and R. Mankbadi</i>
	Use of Geosynthetics for Stabilizing Recycled Ballast in Railway Track Substructures <i>By B. Indraratna, M. A. Shahin, and W. Salim</i>
	Geosynthetic-Reinforced Column-Supported Embankment Design Guidelines <i>By J. Collin, J. Han, and J. Huang</i>
	Theoretical Analysis of Bending Stiffness Test of Geosynthetic-Reinforced Base Layer <i>By Z. Yuan</i>
	Interpretations of Long-Term Deformation Behaviors of Reinforced Geotextile Composites <i>By H-Y. Jeon, S-H. Cho, and W-S. Lyoo</i>
<b>4:30 pm to 5:30 pm</b>	<b>Poster Session in Exhibition Hall</b>
<b>5:30 pm to 7:30 pm</b>	<b>GSI - Annual Meeting</b>



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<b>Thursday (December 15, 2005)</b>	
<b>7:00 am to 8:00 am</b>	<b>Registration</b>
<b>8:00 am to 9:30 am</b>	<b>GSI–Session #2 Use and Design of Geosynthetics in Heap Leach Systems G. Koerner</b>
	Geomembrane Manufacturing Considerations with regard to Heap Leach Pond and Reservoir Liners <i>By M. Ossa</i>
	Heap Leach Facility Liner Design <i>By J. Lupo</i>
	A Tale of Two Conditions: Landfill versus Heap Leach Pond Liner Strengths <i>By A. Brietenbach</i>
	Designing for Vertical Pipe Deflection under High Loads <i>By M. Smith</i>
	Seismic Design of Heap Leach Pads <i>By P. Repetto</i>
<b>9:30 am to 10:00 am</b>	<b>Coffee Break</b>
<b>10:00 am to 11:45 am</b>	Panel Session Discussion on Above Topic and Questions from Audience
<b>11:45 am to 12:45 pm</b>	<b>Lunch in Exhibition Hall</b>
<b>12:45 pm to 2:15 pm</b>	<b>NAGS–Session #3 Geosynthetics for Reinforcement in Pavement Systems and Perspective on Geosynthetic Education K. Warren and S. Valero</b>
	Probabilistic Analysis of Geosynthetic-Reinforced Unpaved Road Subject to Subgrade Variability <i>By P. Bourdeau</i>
	Comparison of a Mechanistic-Empirical Design Model to Measured Performance for Base-Reinforced Pavements <i>By S. Perkins</i>
	Design and Build of a Small-Scale MSE Wall: January 2005 Geo-Challenge Competition <i>By E. Freeman</i>
	Issues Adversely Impacting the Ability to Integrate Geosynthetic Technology into Engineering Graduate and Post-Graduate Educational Requirements <i>By B. Mackey</i>
<b>2:15 pm to 2:45 pm</b>	<b>Soft Drink Break</b>
<b>2:45 pm to 4:30 pm</b>	<b>NAGS–Session #4 Student Papers K. Hatami and Craig Lake</b>
	Full Scale Geosynthetic-Reinforced Column-Supported Test Embankment <i>By C. Abdullah</i>
	Short and Long Term Compressive Behaviors of HDPE Geonet at Different Inclined Conditions <i>By S-S. Yeo</i>
	Numerical Investigation of Geofoam Seismic Buffers Using FLAC <i>By S. Zarnani</i>
	Examination of Metal Retention in Geosynthetic Clay Liners Following Permeation by Different Mining Solutions <i>By K. Lange</i>
	Use of GCLs To Control Leakage Through Geomembranes Under High Hydraulic Heads <i>By C. Weber</i>
	Multi-Scale Assessment of Geotextile-Geomembrane Interaction <i>By D. Kim</i>
<b>4:30 pm to 5:30 pm</b>	<b>Poster Session in Exhibition Hall</b>
<b>5:30 pm to 7:30 pm</b>	<b>NAGS - General Assembly Meeting</b>



**NAGS 2005 / GRI 19 CONFERENCE**

<b>Friday (December 15, 2005)</b>	
<b>7:00 am to 8:00 am</b>	<b>Registration</b>
<b>8:00 am to 9:30 am</b>	<b>GSI–Session #3 (Part I) Hot-Topics in Geosynthetics G. Hsuan and R. Koerner</b>
	Activities of GSI-Korea <i>By H-Y. Jeon</i>
	Long-Term Plastic Pipe Stiffness <i>By C-W. Hsieh</i>
	Advances on the Use of Geosynthetics in Hydraulic Systems <i>By J. Zornberg</i>
	Pressurized Liquid Distribution for Landfill Liquids Addition and Augmentation <i>By T-Y. Soong</i>
<b>9:30 am to 10:00 am</b>	<b>Coffee Break</b>
<b>10:00 am to 11:45 am</b>	<b>GSI–Session #3 (Part II) Hot-Topics in Geosynthetics G. Hsuan and R. Koerner</b>
	Geosynthetic Engineering Concerns from a Manufacturer’s Perspective: <i>By B. Ramsey</i>
	Geosynthetic Manufacturing Concerns from a Consultant’s Perspective: <i>By M. Sieracke</i>
	Various Methods to Assess Geosynthetic Installation Damage: <i>By S. Allen</i>
	Geosynthetics Q & A of Pressing Interest to Everyone: <i>By B. Denis</i>
<b>11:45 am to 12:45 pm</b>	<b>Lunch in Exhibition Hall</b>
<b>12:45 pm to 2:15 pm</b>	<b>NAGS–Session #5 Geosynthetics in Drainage and Construction Site Run-off A. Aydilek and D. Narejo</b>
	Geotextile Tubes: Filtration Performance of Woven Geotextiles under Pressure <i>By L. Kaixia and B. Shobha</i>
	Case History: Failure of a Geotextile Turbidity Curtain <i>By M. Harney, and R..Holtz</i>
	Geotextiles as Biofilters for Wastewater Treatment <i>By C. Yaman, J. Martin and E. Korkut</i>
	Geotextiles for Filtering Water and Oil Fluids <i>By J. Scott</i>
	Fate of Suspended Soil Particles within Drainage Geocomposite <i>By D. Narejo</i>
<b>2:15 pm to 2:45 pm</b>	<b>Soft Drink Break</b>
<b>2:45 pm to 4:30 pm</b>	<b>NAGS–Session #6 Geosynthetics in Containment Applications B. Mackey and J. Olsta</b>
	Geosynthetic Research and Applications in the Mining and Mineral Environment <i>By K. Renken, E. Yanful, and D. Mchaina</i>
	Current Research on Dynamic Shear Behavior of Needle-Punched Geosynthetic Clay Liners <i>By P. Fox, T. Morrison, C. Nye, J. Hunter, and J. Olsta</i>
	Investigation of PVC Liner Leakage in a Very Large Evaporation Pond <i>By I. Peggs and J. Duhalde</i>
	Impacts and Limitations of Quality Assurance on Geomembrane Integrity <i>By B. Forget, A. Rollin and T. Jacquelin</i>
	Lessons Learned from a Geomembrane Liner Failure in a Cold Environment <i>By I. Peggs</i>
	Potential Problems Associated with Leachate Recirculation on Landfill Stability <i>By R. Thiel and M. Christie</i>