

**GRI-20 Conference on
“Use of Geosynthetics to Combat or Mitigate Acts of Terrorism and/or Natural Disasters”**

January 18, 2007 in Washington, DC

**Session A - George R. Koerner - Moderator
10:00 AM to 12:00 Noon**

1. Soil Filled Geotubes® for Emergency Sealing of Levee Breaks (Abstract)
by Tom Stephens and Ed Trainer; TC Nicolon, Inc.
2. Rapidly Deployed, Soil-Filled, Blast Resistant Barrier Walls
by Richard A. Reid; South Dakota State University
3. Use of Fiber-Reinforced Soil for Blast Protection
by Jorge G. Zornberg, Chunling Li, and Brian Freilich; University of Texas at Austin
4. Shake Table Tests on Reinforced SRW Simulating the Kobe Earthquake (Abstract)
by Dov Leshchinsky and Hoe I. Ling; University of Delaware and Columbia University
5. Potential Use of Nonwoven Geotextiles to Mitigate and/or Neutralize Biological Agents in Water Supplies
by Joseph P. Martin and Charles N. Haas; Drexel University
6. Illegal Immigration and Entry Fencing
Lara D. Costa, Elizabeth Peggs and Chris Kelsey; I-Corp Intl. Inc. and geosynthetica.net

Lunch - Technology Café

[each speaker will have a separate table to discuss his/her paper with those interested in the topic]

**Session B - Robert M. Koerner - Moderator
1:00 PM to 3:00 PM**

7. Geotextiles as Camouflage to Mitigate Sensitive Target Areas (Abstract)
by Richard A. Reid; South Dakota State University
8. Baker Life Chute for Rapid, Mass Evacuation from High Rise Structures During Life Threatening Events (Abstract)
by Ralph T. Baker; Baker Safety Equipment Co.
9. Embedded Fiber Optic Sensors for Geosynthetic Applications (Abstract)
by Mahmoud A. El-Sherif; Drexel University and Photonics Laboratories, Inc.
10. Use of BOTDR to Measure Distributed Strains of Geosynthetics
by Sibel Pamukcu and Mesut Turel; Lehigh University

11. Geotextile and Optic Fibers: Feedback After Four Years of Use in Soil
by Alain Nancey, Bruce Lacina and John Henderson; Ten Cate Geosynthetics, Inc.
12. Intelligent Floating Covers for Early-Alert of Water Reservoir Intrusion and Possible Contamination
by Y. Grace Hsuan and Robert M. Koerner; Drexel University

- BREAK -

**Session C - Y. Grace Hsuan - Moderator
3:30 PM to 5:30 PM**

13. Floating (Geogrid Supported) Geomembrane Megabags for Emergency Water Supply
by J. Richard Weggel and Robert M. Koerner; Drexel University
14. Geotextiles Filled with Shear Thickening Fluids Wrapped Around Oil and Gas Transmission Lines to Withstand Explosive Blasts and Related Sabotage
by Joseph V. Mullin and Robert M. Koerner; Drexel University
15. Geosynthetic Barrier Mounds to Guard Buildings from Truck Bomb Explosions
by Stephan M. Gale; Gale-Tec Engineering, Inc.
16. Blast Protection for Lightweight Shelters via the Use of Retrofitting Polyurea Liner Systems
by Sam R. Allen; TRI/Environmental, Inc.
17. Potential Use of Geosynthetics in Airport Engineered Materials Arresting Systems (EMAS)
by Ian D. Peggs; I-Corp Intl., Inc.
18. Geosynthetic Solutions for Emergency Repair of Damaged Roadways and Airfields
by George R. Koerner; Geosynthetic Institute
19. Applications of Geosynthetics to Homeland Security Issues: From the Conventional to the Sublime
by Craig R. Calabria; GeoSystems Consultants, Inc.

**Session D - Session Moderators
5:30 PM to 6:00 PM**

20. Comments, Discussions and Opinions from Audience