

# Center for Geotechnical Practice and Research Annual Lecture Program

**Thursday, February 24, 2005**  
**Owens Hall Banquet Room, Virginia Tech Campus**  
**Blacksburg, Virginia**

8:00-8:50	<b>Jésus Gomez, Ph.D.</b> <i>Schnabel Engineering Inc.</i>	<b>“Big Project Presents Many Challenges: The Geotechnical Role Begins Early and Does not End with a Report”</b>
<p>Geotechnical engineering decisions regarding geologic mapping, groundwater predictions and blasting restrictions had far-reaching impact on Dulles Airport’s massive expansion project, and impacted construction phasing, contractor interaction, and sizing of major structural components.</p>		
9:00-9:50	<b>Arturo Ressi, Ph.D.</b> <i>Treviicos Corporation</i>	<b>“Seismic Retrofit of the Webster-Posey Tubes”</b>
<p>In order to avoid liquefaction of the soil under the tubes in the event of an earthquake, jet-grouting technology was utilized to construct two parallel walls (one on each side of each tube), on land and on water, thus restraining the liquefiable soil from flowing from underneath the structures.</p>		
10:00-10:50	<b>Dave Weatherby</b> <i>Schnabel Foundation Co.</i>	<b>“Excavation Support for U-505 Submarine Building”</b>
<p>Installation of tiebacks, micro-piles, and jet grouting provided temporary excavation support and structural water cutoff for the new German U-boat exhibit at Chicago’s Museum of Science and Industry.</p>		

## Keynote Speaker

11:00-12:30	<b>Dr. Robert Koerner</b> <i>Director, Geosynthetics Research Institute</i>	<b>“The Requirements for Success with MSE Walls”</b>
<p>Mechanically stabilized earth walls have found widespread use in today’s infrastructure development. While the construction technology often yields an economic benefit, its implementation has sometimes been problematic. Dr. Koerner’s discussion will review the requirements for successful MSE performance.</p>		

All are welcome to attend



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