

**2003 Infrastructure Systems Conference, 6-8 May 2003, Bally's Hotel, Las Vegas, Nevada**

**Geotechnical Engineering and Material Engineering Workshops**

**Tuesday, 6 May 2003; 1:30 PM - 8:00PM**

Workshop	Geotechnical Engineering	Geotechnical Engineering	Materials Engineering
Room	Las Vegas Room 5	Las Vegas Room 6	Las Vegas Room 7
Subject			
Moderator	David Pezza	Mary Hynes	Greg Hughes
1:30 PM - 3:00 PM	Embankment Stability Evaluation, Erie Canal at Pittsfield, New York and Holley, NY -Eugene Lenhardt (LRB)	Ground Motion Study of the Skookumchuck Dam Site -Robert Mitchell, William Perkins (Shannon & Wilson, Inc, WA), Richard Garrison (NWS)	Development of High Performance Concrete at a Lock & Dam, Ronald G. Burg
	The Behavior of Complex landmass Failures -Richard Olsen (ERDC)	Liquefaction and Embankment Stability, Skookumchuck Dam Site, Thurston Co., WA -Rob Mitchell (Shannon & Wilson, Inc, WA), Rich Garrison (NWS), Dennis Fischer (NWS)	Lessons Learned from High Performance, Flowable and Self-Consolidating Concrete, Carol L. Tasillo
		Relative Risk Ranking Guidelines for Non-routine Dam Safety Issues -Dale Munger (NWD)	Low Density Concrete Floats History, Carol L. Tasillo, Billy D. Neeley, Anthony A. Bombich
3:00 PM - 4:00 PM	<b>Exhibit Hall Visit</b>		
Moderator	Bob Dewey	Francke Walberg	Bill Grogan
4:00 PM - 5:30 PM	Jet Grout Cutoff Walls for American River Levees -Joseph Sciandrone (SPK)	Cougar Dam Lake Tap -Richard Hannan (NWP)	Paving, Structural & Geotech Instrumentation/Sensor Systems, Thomas Weinmann
	The Perils of Back Analysis - Rick Deschamps (FMSM Engineering)	Application of Innovative Technologies and Beneficial Reuse for a Landfill Closure -Donald Moses, Gregory Herring, Teresa Reinig (NWO), John O'Grady (EPA), Ron Poland, Terra Nova, Mike Peterson (Waste Mngmnt, IL)	A Comprehensive Approach to Durability Modeling of Concrete, David Haviland
	Hydrologic Characterization Concepts and Analysis for Water-Induced landslides in Western Oregon -David Scofield (NWP)		Dynamic Models to Improve Operation of Water Distribution Systems, Vicki Van Blaricum, Svend Strunge, Kent Smothers, Bob O'Brien, R. Gordon Bloomquist, Vincent Hock
6:00 PM - 8:00 PM	Branch Chiefs' Meeting - For the Corps Geotechnical Engineering Offices from Districts, Divisions, and Headquarters (Meeting at Las Vegas Room 5)		
5:30 PM - 8:00 PM	<b>Exhibit Hall Visit</b>		
<b>Wednesday, 7 May 7:00 AM - 8:00 PM</b>			
6:30 AM - 8:00 AM	<b>Exhibit Hall and Coffee</b>		
Moderator	Patrick Tucker	John Hess (SPK)	Anjana Chudgar
8:00 AM - 9:30 AM	Bank Stabilization Using Soil Bioengineering and Ecological System -Ghislain Brunet (Maccaferri, Inc.)	Levee Stability Application for Deep Soil Mixing -Test Section -Peter Cali, Mark Woodward, Renee Scholl (MVN)	ASR Remediation Using Lithium Nitrate, David E. Keifer
	Erosion -Bank Protection Performance and Lessons Learned -Art Fong (NWP)	Update on Geotechnical and Construction Aspects of the Braddock Dam Innovative In-the-Wet Project -Brian Greene (LRP)	AAR (ASR) in Concrete: Current Problems, Toy S. Poole
	Rock-Cut Design and Construction of the Auxiliary Spillway, Dewey Lake, KY -Mike Nield (LRH)	Floating Approach Walls at Olmsted L & D - Geotechnical/Construction Issues and Resolutions - Jeffrey Schaefer, Troy O'Neal (LRL)	Accounting for Uncertainty in Pavement Assessments, Reed B. Freeman, Robert S. Walker, Carlos R. Gonzalez, John T. Lott
9:30 AM - 10:30 AM	<b>Exhibit Hall Visit</b>		
Moderator	Dale Munger	Kim Jorgensen	David Pezza
10:30 AM - 12:00 PM	Inspection and Repair of Small Diameter CMP Drainage System at Fern Ridge Dam -Kristie Hartfeil (NWP)	Ground Improvements for Construction on Soft Soils -Julie Oliphant, Gretchen Hammond (MVN)	Underwater Concrete Repair & New Spillway Flow Deflectors, Daniel M. Katz, Stephan B. Tatro
	Kentucky Lock Addition, Treating a Karst Foundation Under the Upstream Cofferdam -Paul Ross and Jody Stanton (LRN)	Case Study: Rifle Gape Dam Sink Hole Evaluation and Subsequent Embankment Crack Repair -Jim Boernge, Dan Grundvig (Bureau of Reclamation)	Underwater Concrete: Tremie Concrete Repairs, Stephan B. Tatro, Sam X. Yao
	Curtain Grouting In Soil -Mill Creek Dam -William Harrison (NWW)		Concrete & Grouts for Underwater Placement, Charles A. Weiss, Jr., Philip G. Malone, Billy D. Neeley, Bobbilyn Guerrero
1200 PM - 2:00 PM	<b>Lunch and Exhibit Hall Visit</b>		

## Geotechnical Engineering and Material Engineering Workshops

Room	Las Vegas Room 5	Las Vegas Room 6	Las Vegas Room 7
<b>Moderator</b>	Abbas Roodsari	John Fornek	Al Bush
<b>2:00 PM - 3:30 PM</b>	Characterization of Bedrock Source as Construction Materials for Seven Oaks Dam -David Lukesh, Byron Rathbun (SPL)	Foundation Improvement for Fuel Tanks Using Sand Compaction Piles and Surcharge Loading -Perry Taylor, John Gerlach (ERDC)	Recent Developments in RCC, David E. Keifer, Randell P. Bass
		Potential Damages as a Result of Dewatered Braced Excavations Due to Southeastern Louisiana Urban Drainage Construction -Madonna Montz, John Grieshaber (MVN)	New PCASE 2.0 Desktop, Mary Adolf
	Drilling in Embankment Dams -Robert Dewey (Bureau of Reclamation -BOR)	Geocell Wall and Channel Protection -Anthony DePasquale, Douglas Leatherman (NAP), and Randy Thomas (ACF Environmental)	
<b>3:30 PM - 4:00 PM</b>	<b>Exhibit Hall Visit</b>		
<b>Moderator</b>	David Rydeen	Wayne Forrest	Greg Hughes
<b>4:00 PM - 5:30 PM</b>	Reclamation Research on Piping and Internal Erosion and Cracked Filter Performance -Jeffrey Farrar (BOR)	Geotechnical Aspects of the Buffalo District FUSRAP Program Jonathan Kolber, Michelle Rhodes (LRB)	NDT:Condition Assessment of Concrete & Deep Foundations, Allen G. Davis
	Geotechnical Engineering Properties of Sandy and Gravelly Soils -Richard Peterson (ERDC)	The Proposed Removal of Matilija Dam: Geotechnical Issues and Preliminary Designs -Doug Chitwood (SPL)	Assessment, Repair & Rehabilitation of a Wharf, Sean B. Chapman, Dan A. Back
	Evaluation of Wolf Creek Dam Earth Embankment Utilizing the Rotasonic Drilling and Sampling Method -Tommy Haskins and Timothy McCleskey (LRN)	Tracking, mapping, Monitoring and Developing our Groundwater Resources -Jerry Montgomery, Val Kofoed, and Craig Sellers (Sunrise Engineering, Inc.)	Marine Field Exposure on Treat Island, ME, Donna Day
<b>6:00 PM - 8:00 PM</b>	The Chiefs' Meeting for the Geotechnical Engineering, SAD (Las Vegas Room 5)		
<b>5:30 PM - 8:00 PM</b>	<b>Exhibit Hall Visit</b>		
<b>Thursday, 8 May 7:00 AM - 12:00 PM</b>			
<b>6:30 AM - 8:00 AM</b>	<b>Exhibit Hall and Coffee</b>		
<b>Moderator</b>	Joseph Schwenk	Mike Klosterman	Stephan Durrett
<b>8:00 AM - 9:30 AM</b>	Embankment Foundation Monitoring Using In-Place Automated Inclinometers, Oahe Dam -Michael Kelly (NWO)	Field Anchor Study, Bluestone Dam -Greg Yankey (FMSM Engineering)	Spillway Erosion from Extreme Flood Event, Douglas Massoth
	3-D laser Scanning -Jim Flint (Laser Geomatics)	High Capacity Anchor Design, Bluestone Dam -Michael S. McCray (LRH)	Hydraulic Dredged Sediments, Geotextile Tubes, Disposal & Land Application, Charles M. Bursich, Douglas J. Rubingh, Donald D. Moses
	GPS Alignment Survey at Libby Dam -Steven Meyerholtz (NWS), and David Rutledge (Condor)	PEWARS Dock Front Rehabilitation Project: Field Notes on Casing Strut - Rock Anchor Installation Problems and Solutions -Kathleen Bensko, Richard Allwes (LRP)	Repair of a Streambank Slope Failure with Numerous Adverse Site Conditions, Little Papio Creek, Omaha, NE -Larry E. Boardman, Donald D. Moses, Larry J. Ludwig
<b>9:30 AM - 10:30 AM</b>	<b>Exhibit Hall Visit</b>		
<b>Moderator</b>	Luis Ruiz	William Caver	Tony Liu
<b>10:30 AM - 12:00 PM</b>	Instrumentation and Construction Monitoring of a Cellular Sheetpile Bulkhead, New Bedford Harbor, MA -E.W. Matthews, M. Walsh, S. Vaghar (NAE)	An Investigation of the Effects of Boring Sample Size on Design Parameters -Chad Rachel, Richard Varuso (MVN)	Use of multiple cementitious materials in concrete, Billy Neeley
	Sand Island Tunnel Alternatives -Reconnaissance Study - Eileen Glynn (ERDC), Harold Nakaoka (POH)	Pile load Test and Pile Installation Study on Large Diameter High Capacity Steel Piles -Richard Pinner (NVN)	Interactions Among Concrete-Making Materials and Effects on Early Age Properties of Concrete, Toy S. Poole
	Stabilization, Renovation, and Raising of a 100-Year Structure -Geotechnical Issues -Troy O'Neal (LRL)	Sheet Pile design Spreadsheet Demonstration -Richard Varuso, Danny Haggerty (MVN)	Construction of Roller Compacted Concrete Spillways, Timothy P. Dolen
<b>12:00 PM</b>	<b>END OF CONFERENCE</b>		
<b>1:00 PM - 5:00 PM</b>	Geosynthetics -Dr. Robert Koerner (GSI): Moderator: David Jaros	Levee Condition Assessment Using Geophysics, Geology, Cone-Technology, and GIS: Moderator: Mosaid Al-Hussaini	Soil-Cement Technology, John Sullivan
<b>1:00 PM - 5:00 PM</b>	High Capacity Rock Anchor; Greg Yankey, Donald Bruce (Exhibitor Presentation Room); Moderator: Mike McCray		