

Saturday, March 24, 2012									
12:00 - 5:00 pm	Registration Open   12:00 - 5:00 pm								
8:00 - 11:59 pm	Committee Meetings Location - TBD <b>Technical Committee Meetings</b> (see separate listing in program)¶								
Sunday, March 25, 2012									
6:00 am - 7:00 am	Registration Open   6:00 am - 7:00 pm								
7:00 am - 5:00 pm	Speaker Ready Room Open   7:00 am 5:00 pm								
7:30 - 11:45 am	<small>Short Course</small> HALF DAY (7:30 - 11:45 am) Location - TBD <b>Testing and Analysis of Piles, and Design of Pile Foundations</b>  Instructor: Bengt H. Fellenius, Dr.Tech., P.Eng., M.ASCE, Consulting Engineer	<small>Short Course</small> HALF DAY (7:30 - 11:45 am) Location - TBD <b>MASW (Multichannel Analysis of Surface Waves)</b>  Instructor: Choon B. Park, Ph.D., Park Seismic LLC	<small>Short Course</small> FULL DAY (7:30 am - 4:15 pm) Location - TBD <b>Geotechnical Aspects of Pavement Design and Construction</b>  Instructor: Charles W. Schwartz, Ph.D., M.ASCE, Professor, University of Maryland, and Barry Christopher, Ph.D., P.E., M.ASCE, Consultant, and Erol Tutumluer, Ph.D., M.ASCE, Professor, University of Illinois	<small>Short Course</small> FULL DAY (7:30 am - 4:15 pm) Location - TBD <b>Advances in Geoenvironmental Engineering: Soil, Groundwater, and Sediment Remediation</b>  Instructor: Krishna R. Reddy, Ph.D., P.E., D.GE, M.ASCE, Professor, University of Illinois at Chicago	<small>Short Course</small> FULL DAY (7:30 am - 4:15 pm) Location - TBD <b>Estimation of Soil Properties for Foundation Design</b>  Instructor: F. H. Kulhawy, Ph.D., P.E., Dist.M.ASCE, Professor Emeritus, Cornell University	<small>Short Course</small> FULL DAY (7:30 am - 4:15 pm) Location - TBD <b>Instrumentation, Monitoring, and Condition Assessment of Foundations and Geo-Structures</b>  Instructor: Magued Iskander, P.E., F.ASCE, Professor, Polytechnic Institute of New York University			
9:30 - 9:45 am	AM BREAK								
11:45 to 12:00 pm	LUNCH for AM Half Day Short Course		LUNCH for Full Day Short Course						
12:00 to 4:15 pm	<small>Short Course</small> HALF DAY (12:00 noon - 4:15 pm) Location - TBD <b>Introduction to Tunneling</b>  Instructor: Choon B. Park, Ph.D., Park Seismic LLC	<small>Short Course</small> HALF DAY (12:00 noon - 4:15 pm) Location - TBD <b>Reliability Analysis and Design in Geotechnical Engineering</b>  Instructors: Kok-Kwang Phoon, Ph.D., P.E., F.ASCE, Professor, National University of Singapore, and Jianye Ching, Ph.D., C.Eng, M.ASCE, Professor, National Taiwan University							
2:00 - 2:30 pm	Student Program								
2:30 - 3:00 pm	Location - TBD <b>Geo-Congress Student Orientation</b>								
2:30 - 4:15 pm	Student Program								
	Location - TBD <b>Professional Development Workshop</b>								
4:30 - 6:00 pm	<small>General Session</small> Location - East Hall <b>H. Bolton Seed Medal Lecture</b> <b>Some Observations on the Mechanics of Liquefaction and Volume Changes of Sands under Seismic Loading</b> Geoffrey Robert Martin, Ph.D., M.ASCE								
6:00 - 7:00 pm	<small>General Session</small> Location - East Hall <b>G-I Annual Business Meeting</b>								
7:00 - 8:30 pm	<small>General Event</small> Location - West Hall <b>Welcome Reception and Exhibit Hall Grand Opening</b>								
8:00 - 11:59 pm	Committee Meetings Location - TBD <b>Technical Committee Meetings</b> (see separate listing in program)¶								

Monday, March 26, 2012									
7:00 am - 6:00 pm	Registration Open   7:00 am - 6:00 pm								
7:00 am - 6:00 pm	Speaker Ready Room Open   7:00 am - 6:00 pm								
8:00 - 9:30 am	General Session								
8:00 - 8:15 am	Location - East Hall								
8:00 - 8:15 am	Opening Remarks								
8:15 - 9:30 am	<b>Ralph B. Peck Lecture</b> <b>PECK Lecture Title TBD</b> Craig H. Benson, Ph.D., P.E., D.GE, F.ASCE								
9:30 am - 6:30 pm	Exhibit Hall Open   9:30 am - 6:30 pm								
9:30 - 10:00 am	AM BREAK in Exhibit Hall								
10:00 - 11:30 am	Organizational Member Business Session - OPMONAM11	Symposium - FPMONAM12	Technical Session - TSMONAM13	Technical Session - TSMONAM14	Technical Session - TSMONAM15	Technical Session - TSMONAM16	Technical Session - TSMONAM17	Technical Session - TSMONAM18	Technical Session - TSMONAM19
10:00 - 10:02 am	Location - TBD Track: Organizational Member Business Session  <b>Demonstrating the Value Geo Professionals Provide to Projects</b>  Moderator: James W. Martin, Earth & Environmental Division, AMEC  Panelists:	Location - TBD Track: Symposium  <b>Role of Full-Scale Testing in Foundation Design - A Symposium Honoring Bengt Fellenius</b>  Moderator: Mohamad H. Hussein, GRL Engineers, Inc.  Presentations:	Location - TBD Track: Analytical, Numerical, and Physical Modeling  <b>Roles and Influences of Physical Modeling on State of the Art and Practice of Geotechnical and Geotechnical Earthquake Engineering</b>  Moderators: Dan Wilson, University of California, Davis and Shideh Dashti, University of Colorado, Boulder  Papers:	Location - TBD Track: Unsaturated Soils  <b>Modeling in Unsaturated Soils: From Molecular Dynamics to Field Applications</b>  Moderators: Laureano R. Hoyos, University of Texas at Arlington and Sai K. Vanapalli, University of Ottawa, Canada  Papers:	Location - TBD Track: Soil Properties  <b>Advances in Clay Mineralogy</b>  Moderators: Maria Chrysochoou, University of Connecticut; Anand Puppala, University of Texas at Arlington  Papers:	Location - TBD Track: Geoenvironmental Engineering  <b>Management of Mine Tailings: Advances and Case Studies</b>  Moderators: Tamás Meggyes, University of Wolverhampton, ICP Hungária and Krishna R. Reddy, University of Illinois-Chicago  Papers:	Location - TBD Track: Geotechnical Earthquake Engineering  <b>Soil Improvement Solutions for Seismic Hazards</b>  Moderators: Jim Hussin, Hayward Baker Inc. and Dave Dailer, CH2M Hill  Papers:	Location - TBD Track: Geotechnical Earthquake Engineering  <b>Seismic Design of Retaining Structures</b>  Moderator(s): Youssef Hashash, University of Illinois at Urbana-Champaign; Daniel Alzamora, FHWA  Papers:	Location - TBD Track: Geoenvironmental Engineering  <b>Landfill Settlement</b>  Moderators: Hari D. Sharma, Geosyntec Consultants, Hiroshan Hettiarachchi, Lawrence Technological University, and Anirban De, Manhattan College  Papers:
10:03 - 10:13 am	James A. Morrison, II, Kiewit Corporation	Tales from the Other Side of the Neutral-Plane Robert D. Holtz, University of Washington	Centrifuge Tests for Artificially Cemented Clay Slopes Dong Soon Park, Bruce Kutter	Behavior of Swelling Clays: A Molecular Dynamic Study Priyanthi Amarasinghe, Annalingam Anandarajah	Influence of Mineral Montmorillonite on Soil Suction Modeling Parameters Aravind Pedarla, Anand Puppala, Bhaskar Chittoori, Laureano Hoyos, Claudia Zapata, Sandra Houston	Paste and Thickened Tailings: Has The Promise Been Fulfilled? Andy Fourie	High Vacuum Densification Method for Soft Soil Improvement Robert Liang, Shi-Long Xu	Comparison of Seismic Design Methods for an Open-Bottom Box Culvert Mark Thompson, Seungcheol Shin, Donald Anderson	Settlement Analysis of MSW Based on Constitutive Modeling Approach Sandeep Chouksey, G.L. Sivakumar Babu, Krishna R. Reddy
10:14 - 10:24 am	William F. Brumund, Golder Associates, Inc.	Early Swedish Contributions to Geotechnical Engineering K. Rainer Massarsch, Geo Risk & Vibration Scandinavia AB, Sweden; Bengt H. Fellenius, Consulting Engineer, Canada	Centrifuge Study of the Effect of Permeability and Other Soil Properties on the Liquefaction and Lateral Spreading of Dense Sand Hesham El Ganainy, Tarek Abdoun, Ricardo Dobry	Modelling Unsaturated Soil Behaviour in Stress - Suction Space Daichao Sheng, Annan Zhou	Characterization of Adsorbed Polymer Conformational Response Using Spectroscopic Ellipsometry Sungho Kim, Angelica Palomino, Nikolas Podraza	Environmental Risk Assessment of the Red-Mud Contaminated Land in Hungary Katalin Gruiz, Emese Vaszita, Viktoria Feigl, Orsolya Kataberz, Attila Anton	Seismic Cone Penetration Test Assessment of Vibratory Probe Compaction for Liquefaction Mitigation Yuan Cheng, Songyu Liu, Zhibin Liu, Guojun Cai	Reduction of Lateral Earth Forces on Yielding Flexible Retaining Walls by EPS Geofoam Inclusions Ozgur L. Ertugrul, Aurelian C. Trandafir	Evaluation of Waste Compressibility Due to Preloading at the Fresh Kills Landfill Lucas de Melo, Rami El-Sherbiny, William Steier, Manal Salem
10:25 - 10:35 am	Lawrence H. Roth, Malcolm Pirnie ARCADIS, Inc.	Shallow Footing Response on Sands Using a Direct Method Based on Cone Penetration Tests Paul W. Mayne and Fernando Illingworth, Georgia Institute of Technology	Centrifuge Evaluation of the Impact of Partial Saturation on the Amplification of Peak Ground Acceleration in Soil Layers Majid Ghayoomi, John McCartney	A General Fully Coupled Elasto-Plastic Constitutive Model for Unsaturated Soils Mari Lloret, Marcelo Sanchez, Simon J. Wheeler	Chemical and mineralogical behaviour of Lignosulfonate Treated Soft soil Buddhima Indraratna, M. Mahamud, J. S. Vinod	Mine Paste Backfill – The Behaviour of Thickened Tailings and Pipeline Design Tamás Meggyes, Stephan Jefferis	Effect of Discrete Columns on Shear Stress Distribution in Liquefiable Soil Deepak Rayamajhi, Thang V. Nguyen, Scott A. Ashford, Ross W. Boulanger, Jinchi Lu, Ahmed Elgamal, Lisheng Shao	Scale Model Shake Table Testing of Seismic Earth Pressures in Soft Clay Robb Moss, Ron Noche	Use of Settlement Profilers in a Full-scale Bioreactor Landfill V.C. Hettiarachchi, K.C. Foye, X. Zhao
10:36 - 10:46 am		Pile Testing and Settlement Prediction Harry G. Poulos, Coffey Geotechnics, Australia	Centrifuge Modeling of Unsaturated Soil-Pile System Nadarajah Ravichandran, Shada Krishnapillai, Brian Machmer	Numerical Study on Effects of Initial State on Liquefaction of Unsaturated Soils Chunyang Liu, Kanthasamy Muraleetharan	The Influence of Clod Size and Moisture Condition on the Shearing Behavior of Compacted Soils Wassim Tabet, Amy Cerato, Gerald Miller	Development of an Impoundment Inspection & Verification Tool Eric Baker, Melissa O'Neal, John Quaranta	Effect of DSM Grids on Shear Stress Distribution in Liquefiable Soil Thang Nguyen, Deepak Rayamajhi, Ross W. Boulanger, Scott A. Ashford, Jinchi Lu, Ahmed Elgamal, Lisheng Shao	Experimental Assessment of the Passive Resistance of a Bridge Abutment System with various Backfill Heights Anne Lemnitzer, Chris Hilson, Ali Nojumi, Ertugrul Taciroglu, Jonathan Stewart, John Wallace	The City of Calgary Biocell Landfill: Data Collection and Settlement Predictions using a Multiphase Model Carlos Hunte, Hiroshan Hettiarachchi, Jay Meegoda, Patrick Hettiarachi
10:47 - 10:57 am		Load Transfer Curves from a Large-Diameter Pipe Pile in Silty Soil Aaron S. Bradshaw and Christopher D.P. Baxter, University of Rhode Island; Stefanie Haffke, Deutsche Bahn, Germany	Influence of Physical Modeling on Adoption of Rocking Foundations in Practice Bruce Kutter, Tara Hutchinson, Mark Moore, Sashi Kunnath, Lijun Deng	Experimental and Numerical Analysis of an Unsaturated Volcanic Ash Deposit for the Establishment of an Early Warning System in a Quarrr in Costa Rica Alessio Ferrari, John Eichenberger, James Fern, Patrick Ebeling, Lyesse Laloui	Characterization of Clays Using Quantitative XRD and Chemical Analyses Maria Chrysochoou, Anand Puppala, Bhaskar Chittoori	Incorporating EAP Tabletop Exercises as Part of Crisis Management Planning for Tailings Impoundments John Quaranta, Hope Coffield	Liquefaction Mitigation using Microbial Induced Calcite Precipitation Brina Mortensen, Jason DeJong, Ross Boulanger, Daniel Wilson, Ray Gerhard, Anatoly Ganchenko, Jui-Ching Chou	Seismic Performances of Slurry Walls Mathew D. Graham, Ming Xiao, Louay M. Owaibat	Recent Findings on Compressibility of Municipal Solid Waste Christopher A. Bareither, Craig H. Benson, Tuncer B. Edil
10:58 - 11:08 am		Full Scale Instrumented Pile Loading Test for the Port Mann Bridge Kathryn A. Petek, Robert A. Mitchell, and Gerard J. Buechel, Shannon & Wilson, Inc.; David Goodyear, TY Lin International	Dynamic Centrifuge Simulation for Hualien Soil-Foundation-NPP Containment System Jeong-Gon Ha, Sei-Hyun Lee, Se-Hee Kim, Dong-Soo Kim	Interpretation of Borehole Shear Strength Tests of Unsaturated Loess by Suction Stress Characteristic Curves Jeremy Ashlock, Ning Lu	Characterizing Physical Properties of Clay by Water Vapor Sorption William Likos, Ning Lu	Shear Strength and Hydraulic Conductivity Changes Due to Rinse of a Leached Ore Material, Ripios Jeong-Yun Won, Winnie Kim	Influencing Factors on the Dynamic Properties of Organobentonites Bate Bate, Susan Burns	Discussion on State of Seismic Design of Retaining Structures Hiroshan Hettiarachchi	Settlement Behavior of Bioreactor Landfills in North America Hiroshan Hettiarachchi
11:09 - 11:19 am		Long Piles in Thick Lacustrine and Deltaic Deposits: Two Bridge Foundation Case Histories Ernest Naesgaard and Ali Amini, Naesgaard Geotechnical Ltd., Canada; Uthaya M. Uthayakumar, EXP Services Inc., Canada; Bengt H. Fellenius, Consulting Engineer, Canada	Centrifuge Modelling to Design Subsea Pipelines Christophe Gaudin, Dave White	Stability Analysis of Unsupported Vertical Trenches in Unsaturated Soils Sai Vanapalli, Won Taek Oh	Effect of Mineral Composition and Shearing Rates on the Undrained Shear Strength of Expansive Clays Beena Ajmera, Binod Tiwari, Dinesh Shrestha	The Use of Waste Rock Inclusions to Improve the Seismic Stability of Tailings Impoundments Michael James, Michel Aubertin	Numerical Study of the Effects of Bentonite Treatment for Liquefaction Mitigation Alan Witthoef, Marika Santagata, Antonio Bobet		Settlement Monitoring Program for a Proposed Multi Purpose Site Development Hari Sharma, Jason Lin, Fabrizio Settepani, Jessica Bernardini
11:20 - 11:30 am		Reliability of Shaft Resistance for Augered Cast-in-Place Piles in Granular Soils Armin W. Stuedlein, Oregon State University, Thomas M. Gurtowski, Shannon & Wilson, Inc.	Boundary Conditions in Physical Model Tests – The Influence of Deck Pinning on the Response of Piled Bridge Abutments in Laterally Spreading Soils Jennifer Haskell, Gopal Madabhushi, Misko Cubrinovski	Dynamic Analysis of Unsaturated Soil-Pile System Using Simplified Finite Element Formulation Nadarajah Ravichandran, Ariful Bhuiyan, Eleanor Huggins	Time Dependent Rheological Behavior of Modified Bentonite Suspensions Jisuk Yoon, Chadi El Mohtar				Settlement due to Anaerobic Biodegradation from Laboratory Landfill Simulators Xunchang Fei, Dimitrios Zekkos
11:30 am - 1:00 pm	LUNCH in Exhibit Hall								
11:30 am - 1:00 pm	Diversity and Inclusion Program & Lunch								

1:00 - 2:30 pm	State of the Practice Location - TBD	State of the Practice Location - TBD							
1:00 - 1:45 pm	Moderator: Kok Kwang Phoon, National University of Singapore <b>Risk Assessment and Mitigation in Geo-Practice</b> Suzanne Lacasse, D.Eng., P.E., F.ASCE Norwegian Geotechnical Institute	Moderator: Adrian Rodriguez-Marek, Virginia Polytechnic Institute and State University <b>Geo-Seismic Design in Eastern US: State of Practice</b> Aspasia Sissy Nikolaou, P.E., M.ASCE Mueser Rutledge Consulting Engineers							
1:46 - 2:30 pm	Moderator: Scott M. Mackiewicz, Kleinfelder <b>The Practice of Geotechnical Forensic Engineering</b> Patrick C. Lucia, M.ASCE Geosyntec Consultants, Inc.	Moderator: George Burke, Hayward Baker <b>Real Time Instrumentation in Dam Foundation Grouting</b> Donald A. Bruce, Ph.D., D.GE, M.ASCE Geosystems, L.P.							
2:30 - 3:00 pm	PM BREAK in Exhibit Hall								
2:30 - 6:30 pm	Student Program - Competitions Location - West Hall <b>Geo-Challenge</b> <b>Geo-Prediction</b> <b>Poster Competition</b>	Technical Poster Session <b>Posters</b>							
8:00 - 11:59 pm	Committee Meetings Location - TBD <b>Technical Committee Meetings</b> (see separate listing in program)!!								

Tuesday, March 27, 2012										
7:00 am - 7:00 pm	Registration Open   7:00 am - 7:00 pm									
7:00 am - 6:00 pm	Speaker Ready Room Open   7:00 am - 6:00 pm									
9:30 am - 5:30 pm	Exhibit Hall Open   9:30 am - 5:30 pm									
8:00 - 9:30 am	State of the Art									
8:00 - 8:45 am	<p>Location - TBD</p> <p>Moderator: Youssef M. A. Hashash, University of Illinois at Urbana-Champaign</p> <p><b>Seismic Earth Pressures on Retaining Structures and Basement Walls</b></p> <p>Nicholas Sitar, Ph.D., P.Eng, M.ASCE  Dept. of Civil and Environmental Engineering, University of California, Berkeley</p>	<p>Location - TBD</p> <p>Moderator: TBD</p> <p><b>Offshore Geotechnics — the Challenges of Deepwater Soft Sediments</b></p> <p>Mark F. Randolph  School of Civil and Resource Engineering, University of Western Australia</p>								
8:46 - 9:30 am	<p>Moderator: David Zeng, Case Western Reserve University</p> <p><b>Nonlinear Site Response in Generic Site Factors and from Site-specific Analysis</b></p> <p>Jonathan P. Stewart, Ph.D., P.E., F.ASCE  Dept. of Civil and Environmental Engineering, University of California, Los Angeles</p>	<p>Moderator: Joseph Wartman, University of Washington</p> <p><b>Landslide Investigation and Analysis</b></p> <p>Serge Leroueil, Ph.D.  Civil Engineering, Université Laval</p>								
9:30 - 10:00 am	AM BREAK in Exhibit Hall									
10:00 - 11:30 am	<p>Location - TBD</p> <p><b>Multi-scale Characterization and Modeling of Heterogenous Soils</b></p> <p>Moderator: Jose Andrade, California Institute of Technology</p> <p>Panelists:  J. C. Santamarina, Georgia Tech  A. Gens, Politecnica de Catalunya, Spain  G. Viggiani, Joseph Fourier, France  J. W. Baker, Stanford University</p>	<p>Location - TBD</p> <p>Track: Analytical, Numerical, and Physical Modeling</p> <p><b>Roles and Influences of Physical Modeling on State of the Art and Practice of Geotechnical and Geotechnical Earthquake Engineering</b></p> <p>Moderators: Bruce Kutler, University of California, Davis and Inthuorn Sasanakul, Rensselaer Polytechnic University</p> <p>Topics/Panelists:  A Mechanism for Physical Models to Influence Building Codes  Mark Moore, ZFA Structural Engineers, San Francisco, California  How Physical Modeling Has Helped Define Liquefaction for Practice  Gopal Madabhushi, University of Cambridge, U.K.</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Foundations</p> <p><b>Foundations for Energy Infrastructure</b></p> <p>Moderator(s): Alan J. Lutenegger, University of Massachusetts</p> <p>Papers:  Application of Drilled Shaft Foundations for Utility Scale Wind Turbines in a High Seismic Environment  Matthew Rogers, Eric Ntambakwa, Shin Tower Wang, Troy Crook</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Soil Properties</p> <p><b>Session Honoring Jerry Yamamuro: Behavior and Modeling of Silty Soil</b></p> <p>Moderator: P. V. Lade, The Catholic University of America</p> <p>Papers:  Static Liquefaction and 'Reverse' Behavior of Silty Sand  Jerry Yamamuro, Poul Lade</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Emerging Topics in Geotechnical Engineering</p> <p><b>Sustainability in Geotechnical Engineering</b></p> <p>Moderators: Dipanjan Basu, University of Waterloo, Jeff Keaton, AMEC, and Anand Puppala, University of Texas</p> <p>Papers:  Feasibility study of compressed air energy storage using steel pipe piles  Lianyang Zhang, Saeed Ahamri, Muniram Budhu, Ben Sternberg</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Geoenvironmental Engineering</p> <p><b>Recent Advances in Geoenvironmental Site Characterization</b></p> <p>Moderators: Pradeep Kurup, University of Massachusetts-Lowell and Akram Alshawabkeh, Northeastern University</p> <p>Papers:  A Comparative Study of Soluble Sulfate Measurement Techniques  Nagasreenivasu Talluri, Ahmed Gaily, Anand Puppala, Bhaskar Chittoori</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Geotechnical Earthquake Engineering</p> <p><b>Geotechnical Earthquake Engineering: Site Response and Soil Structure Interaction</b></p> <p>Moderators: David Zeng, Case Western Reserve University and Adrian Rodriguez-Marek, Virginia Tech</p> <p>Papers:  A Framework for Performance-Based Earthquake Engineering of Bridge-Abutment Systems  Jinchi Lu, Kevin Mackie, Ahmed Elgamal, Anoush Shamsabadi</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Site Characterization, In Situ Testing and Monitoring</p> <p><b>Geotechnical Uncertainties in Analysis and Design: Site Characterization and Reliability Applications</b></p> <p>Moderators: Kok-Kwang Phoon, National University of Singapore and Jianye Ching, National Taiwan University</p> <p>Papers:  Development of Geospatial Analysis Method to Detect Outlying Data Points  Hyun-Ki Kim, Han-Saem Kim, Si-Yeol Shin, Choong-Ki Chung</p>	<p>Technical Session: DONE</p> <p>Location - TBD</p> <p>Track: Earth Stability</p> <p><b>Stability of Manmade and Natural Slopes and Embankments: Investigation and Design of Slopes and Embankments</b></p> <p>Moderator(s): Binod Tiwari, California State University, Fullerton</p> <p>Papers:  Soil Shear Strength Enhancements from Plant Root Templated Georeinforcements  Drew Johnson, Miguelangel Saucedo, Sazzad Shafique, Jie Huang</p>	
10:03 - 10:13 am										
10:14 - 10:24 am										
10:25 - 10:35 am										
10:36 - 10:46 am										
10:47 - 10:57 am										
10:58 - 11:08 am										
11:09 - 11:19 am										
11:20 - 11:30 am										
11:30 am - 1:30 pm	Luncheon Location - East Hall <b>Hero and Awards Luncheon</b>									
1:30 - 3:00 pm	<p>State of the Practice</p> <p>Location - TBD</p> <p>Moderator: Kord J. Wissmann, Geopier Foundation Company</p> <p><b>The Business of Geotechnics</b></p> <p>Rudolph Bonaparte, D.GE, M.ASCE  GeoSyntec Consultants, Inc.</p>	<p>State of the Practice</p> <p>Location - TBD</p> <p>Moderator: Jim Withiam, D'Appolonia Consulting Engineers, Inc.</p> <p><b>State of the Practice of MSE Wall Design using the Coherent Gravity Method</b></p> <p>Peter L. Anderson, P.E., M.ASCE  The Reinforced Earth Company</p>								
1:30 - 2:15 pm										
2:16 - 3:00 pm	<p>Moderator: Youssef M. A. Hashash, University of Illinois at Urbana-Champaign</p> <p><b>Offshore Geotechnics—State of Practice Throughout the Life of an Offshore Field</b></p> <p>Phillippe Jeanjean, P.E., M.ASCE  BP America, Inc.</p>	<p>Moderator: Robert B. Gilbert, University of Texas at Austin</p> <p><b>Braced Excavations in Soft Soils</b></p> <p>Demetrios C. Koutsoftas, P.E., G.E., M.ASCE  Geotechnical Consultants, Inc.</p>								
3:00 - 3:30 pm	PM BREAK in Exhibit Hall									
3:30 - 5:00 pm	Panel	Software Demonstration Session	Technical Session: DONE - sort of	Technical Session	Technical Session	Technical Session: DONE	Technical Session	Technical Session: DONE	Technical Session	

<p>3:30 - 3:32 pm</p>	<p>Location - TBD <b>Onshore versus Offshore Foundation Engineering - What Each Can Learn from the Other</b>  Moderator: Robert B. Gilbert, University of Texas at Austin</p>	<p>Location - TBD Track: Software Demonstrations  <b>Software Demonstration on Foundation Analyses and 3D Modeling</b>  Moderators: Thaleia Travasrou, Fugro</p>	<p>Location - TBD Track: Pavements  <b>Sustainable Pavements: Recycled Materials</b>  Moderators: Enad Mahmoud, Bradley University and Chris Marshall, Golder Associates Inc.</p>	<p>Location - TBD Track: Foundations  <b>State of Practice: LRFD Method in Geotechnical Engineering</b>  Moderators: Anirban De, Manhattan College and Dimitrios Konstantakos, Deep Excavation, LLC</p>	<p>Location - TBD Track: Emerging Topics in Geotechnical Engineering  <b>Thermally Active Geotechnical Engineering Systems</b>  Moderators: John S. McCartney, University of Colorado Boulder and Guney Olgun, Virginia Polytechnic and State University</p>	<p>Location - TBD Track: Geoenvironmental Engineering  <b>Hydraulic Properties and Hydrology of Waste Containment Systems</b>  Moderators: Milind Khire, Michigan State University and John S. McCartney, University of Colorado Boulder</p>	<p>Location - TBD Track: Geotechnical Earthquake Engineering  <b>Geotechnical Earthquake Engineering: Liquefaction</b>  Moderators: David Zeng, Case Western Reserve University and Adrian Rodriguez-Marek, Virginia Tech</p>	<p>Location - TBD Track: Site Characterization, In Situ Testing and Monitoring  <b>Geotechnical Uncertainties in Analysis and Design: Spatial Variability</b>  Moderators: Kok-Kwang Phoon, National University of Singapore and Jianye Ching, National Taiwan University</p>	<p>Location - TBD Track: Earth Stability  <b>Stability of Manmade and Natural Slopes and Embankments: Numerical Analysis of Slopes and Embankments</b>  Moderator(s): Binod Tiwari, California State University, Fullerton</p>
<p>3:33 - 3:43 pm</p>	<p>Panelists: George Goble, Consulting Engineer Clyde N. Baker, AECOM Ken Been, Golder Associates Ltd. Bob Stevens, Fugro Consultants Philippe Jeanjean, BP America, Inc. Mark Randolph, University of Western Australia</p>	<p><b>UniSettle 4.0: Stress and Settlement Calculation Software</b>  Pierre A. Goudreault, P.Eng., President UniSoft GS Ltd. Bengt H. Fellenius, Dr.Tech., P.Eng., V-P UniSoft GS Ltd.</p>	<p><b>Recycled Clay Masonry and Recycled Concrete Aggregate Blends for Pavements</b>  Donald Cameron, Abdelhalim Azam, Mizanur Rahman</p>	<p><b>Resistance Factors for MSE Wall Sliding and Overturning Checks</b>  Dongwook Kim, Rodrigo Salgado</p>	<p><b>Comparison of Laboratory Methods for Measuring Thermal Conductivity of Unsaturated Soils</b>  William J. Likos, Hayley Olson, Rani Jaafar</p>	<p><b>Membrane Behavior of Engineered Clay Barriers for Geoenvironmental Containment: State-of-the-Art</b>  Charles Shackelford</p>	<p><b>Numerical Insights into Liquefaction-Induced Building Settlement</b>  Shideh Dashti, Jonathan Bray</p>	<p><b>Improved Subset Simulation for the SLS Analysis of Two Neighboring Strip Footings Resting on a Spatially Random Soil</b>  Ashraf Ahmed, Abdul-Hamid Soubra</p>	<p><b>Cracks in Slopes: Limit Analysis Approach to Stability Assessment</b>  Radoslaw Michalowski</p>
<p>3:44 - 3:54 pm</p>		<p><b>Advanced Geotechnical 3D Modeling using Plaxis 3D</b>  Richard Witasse, Ph.D., Senior Advisor Plaxis Expert Services Erwin Beernink, VP Marketing and Sales</p>	<p><b>Evaluation of recycled ultra-thin bonded bituminous surface</b>  H.Y. Musty, F. Rahman, M. Hossain</p>	<p><b>Evaluation of AASHTO load factor and resistance design methods for benchmarked braced excavations</b>  Dimitrios Konstantakos, Dimitrios Mamoglou</p>	<p><b>Strain Distributions in Centrifuge Model Energy Foundations</b>  Melissa Stewart, John McCartney</p>	<p><b>Long Term In Situ Measurements of the Volumetric Water Content in a Soil Bentonite Slurry Trench Cutoff Wall</b>  Daniel Rufing, Jeffrey Evans, Michael Malusis</p>	<p><b>Liquefaction of Dense Sand under Earthquake Loading</b>  Xiangwu Zeng, Gang Liu</p>	<p><b>Influence of Soil Spatial Variability and Stochastic Ground-Motion on the Dynamic Behavior of a Slope</b>  Tamara Al Bittar, Dalia Youssef Abdel Massih, Abdul Hamid Soubra, Fadi Hage Chehade</p>	<p><b>The Behaviour of Embankment Soil with Time</b>  M. M. Younus Ali, Kuwano J.</p>
<p>3:55 - 4:05 pm</p>		<p><b>Geotechnical Numerical Analysis in Three Dimensions with FLAC3D - Practical Applications and Recent Developments</b>  Roger Hart, Ph.D., P.E., Director, Software Services</p>	<p><b>Applicability of Coal Ashes to Be Used for Stabilized Pavements Base</b>  Louise Lopes, Michèle Casagrande, Luciana Szeliga, Laura Motta</p>	<p><b>Foundations for the Bridge at Pitkins Curve</b>  John Turner, John Duffy, Reid Buell, Xing Zheng</p>	<p><b>Efficiency of a Community-Scale Borehole Thermal Storage Technique for Solar Thermal Energy</b>  Ronglei Zhang, Ning Lu, Yu-Shu Wu</p>	<p><b>Determination of Key Hydraulic Characteristics of the Vertical Bentonite Barrier as an Old Sanitary Landfill Containment</b>  Eugeniusz Koda</p>	<p><b>Design of Extended Pile Shafts for Liquefaction Effects</b>  Arash Khosravifar, Ross Boulanger</p>	<p><b>Probabilistic Model for Overall Shear Strengths of Spatially Variable Soil Masses</b>  Jianye Ching, Kok-Kwang Phoon</p>	<p><b>Investigation of the Design Criteria for the Analysis of I-Wall in New Orleans, LA for Flood Side Gap Condition</b>  Jaideep Chatterjee, Farshad Amini</p>
<p>4:06 - 4:16 pm</p>		<p><b>A Large Test Box Study on Geocell-Reinforced Recycled Asphalt Pavement (RAP) Bases over Weak Subgrade under Cyclic Loading</b>  Jitendra Kumar Thakur, Jie Han, Sanat Pokharel, Robert L. Parsons</p>	<p><b>Development of a Database for Pile Load Tests</b>  Maria Cecilia M. Marcos, Shiu-Shin Lin, Min-Ru Liao, Jen-Kai Huang, Yit-Jin Chen</p>	<p><b>Full-scaled Geothermal Energy Pile Subjected to Thermo-Mechanical Loading</b>  Bill Wang, David Barry-Macaulay, Malek Bouazza, Rao Singh, Chris Haberfeld, Serhat Baycan</p>	<p><b>Assessment of Heavy Metals Retention in GCLs by Column and Batch Tests</b>  Francesco Mazzeri</p>	<p><b>Geotechnical Aspects of the Mw 6.2 2011 Christchurch, New Zealand Earthquake</b>  Russell Green, Misko Cubrinovski, Liam Wotherspoon, John Allen, Brendon Bradley, Aaron Bradshaw, Jonathan Bray, Greg DePascale, Rolando Orense, Thomas O'Rourke, Michael Pender, Glenn Rix, Donald Wells, Clinton Wood, Duncan Henderson, Lucas Hogan, Patrick Kailey, Kelly Robinson, Merrick Taylor, Anna Winkley</p>	<p><b>Response of Strip Foundation on Spatially Random Elastic Foundation under Variable Column Loads</b>  Sumanta Halder, Dipanjan Basu</p>	<p><b>Application of GIS Tools for Three-Dimensional Slope Stability Analysis of Pre-Existing Landslide</b>  Binod Tiwari, Ryan Douglas</p>	
<p>4:17 - 4:27 pm</p>		<p><b>Spectroscopic Evaluation of Recycled Asphalt Pavement Materials</b>  Maria Chrysochoou, Adam Zofka, Iliya Yut</p>	<p><b>Application of Monte Carlo Simulation to Laterally Loaded Piles</b>  Haijian Fan, Robert Liang</p>	<p><b>Coupled Thermo-Poro-Mechanical Finite Element Analysis of an Energy Foundation Centrifuge Experiment in Saturated Silt</b>  Wei Wang, Richard Regueiro, Melissa Stewart, John McCartney</p>	<p><b>Water Balance of an Earth Fill Built of Slightly Contaminated Organic Clay</b>  Emanuel Birle, Dirk Heyer</p>	<p><b>Measurement of Residual Strength of Liquefied Soil in Centrifuge Models</b>  Ian Anderson, Jay Hargy, Pedro DeAlba, Mandar Dewoolkar</p>	<p><b>Impact of Spatial Variability of Soil Parameters on Culvert Load Rating</b>  Priyantha W. Jayawickrama, Asitha Senanayake, William D. Lawson, Timothy Wood</p>	<p><b>The Deformation Behavior of Muratli Asphalt Faced Rockfill Dam</b>  Yesim Sema Ünsever, M. Yener Özkan, S. Güllü Yıldız</p>	
<p>4:28 - 4:38 pm</p>		<p><b>Evaluation of Superpave Mixtures with High RAP Content</b>  Farhana Rahman, Mustaque Hossain, Stefan Romanoschi, James Brennan</p>	<p><b>Determination of Shaft and Base Resistance Factors for Drilled shaft Embedded in Rock in Korea</b>  Seok-Jung Kim, Oh-Sung Kwon, MyoungMo Kim</p>	<p><b>Impact of Shear-Induced Anisotropy on the Thermal Conductivity of Granular Soils</b>  Usama El Shamy</p>	<p><b>Centrifuge Model Studies on the Behaviour of Composite Covers of Landfills</b>  P V Divya, Bhamidipati Viswanadham, J.P. Gourc</p>	<p><b>Centrifuge Testing of Rocking Foundations on Saturated Sand and Unconnected Piles: The Fluid Response</b>  Jacquelyn Allmond, Bruce Kutter</p>	<p><b>Settlement of Piles Founded in Spatially Variable Soils</b>  Farzaneh Naghibi, Gordon Fenton, Vaughan Griffiths, Richard Bathurst</p>	<p><b>Simulation of Earthquake-Induced Slope Deformation Using SPH Method</b>  Wei Chen, Tong Qiu</p>	
<p>4:39 - 4:49 pm</p>		<p><b>Mechanistic Performance Characterization of Pavements Incorporating Recycled Materials</b>  Reza Ashtiani, Athar Saeed</p>	<p><b>Separated Resistance Factors of Drilled Shafts Based on O-cell Tests</b>  Xinbao Yu, Murad Abu-Farsakh</p>	<p><b>Impact of Moisture Migration on Thermal Resistivity in Unsaturated Soil</b>  Nikki Woodward, James Tinjum</p>	<p><b>Experimental and Numerical Evaluation of Liquid Injection using Horizontal Trench System for Bioreactor Landfills</b>  Milind Khire, Tryambak Kaushik</p>	<p><b>A Comparison of SPT-based Empirical Liquefaction Triggering Procedures for Soils at Significant Depths (+20 m)</b>  Shawn Griffiths, Brady Cox</p>	<p><b>Impact of Spatial Variability on the Design of Drilled Shafts in Weak Carbonate Rocks</b>  Shadi Najjar, Khaled Charif, Salah Sadek</p>	<p><b>Presentation of Critical Failure Surface of Slopes Based on the Finite Element Technique</b>  Mohammad Khosravi, Majid Khabbazian</p>	
<p>4:50 - 5:00 pm</p>		<p><b>Investigation of Foamed Warm Mix Asphalt Performance Using the MEPDG</b>  Munir Nazzal, Ala Abbas, Ayman Ali, Arjun Roy</p>		<p><b>Thermal Conductivity Testing of Energy Piles: Field Testing and Numerical Modeling</b>  Tolga Ozudogru, Tracy Brettmann, Guney Olgun, James Martin, Aykut Senol</p>	<p><b>Centrifuge Testing of Unsaturated Hydraulic Properties of Municipal Solid Waste</b>  Milind Khire, Saravanathiban Duraisamy</p>	<p><b>Site Response Analysis at Liquefying Sites</b>  Katerina Ziotopoulou, Ross Boulanger, Steven Kramer</p>	<p><b>Effect of Uncertain Spatial Variability of Soils on Nonlinear Seismic Site Response Analysis</b>  Kallol Sett, Kow Eshun, You Chen Chao, Boris Jeremic</p>	<p><b>New Numerical Scheme in Finite-Element Method for the Effective Evaluation of the Vegetation Effects on Slope Stability Modeling</b>  Ram Chandra Tiwari, Netra P. Bhandary, Ryuichi Yatabe, Deepak Raj Bhat</p>	
<p>5:30 - 7:00 pm</p>	<p>General Session - TERZAGHI Lecture Location - East Hall <b>Karl Terzaghi Lecture</b> <b>TERZAGHI Lecture Title TBD</b> David E. Daniel, Ph.D., P.E., NAE, Dist.M.ASCE</p>								
<p>8:00 - 11:59 pm</p>	<p>Committee Meetings Location - TBD <b>Technical Committee Meetings</b> (see separate listing in program)!</p>								

Wednesday, March 28, 2012									
7:00 am - 7:00 pm	Registration Open   7:00 am - 7:00 pm								
7:00 am - 6:00 pm	Speaker Ready Room Open   7:00 am - 6:00 pm								
9:30 am - 3:30 pm	Exhibit Hall Open   9:30 am - 3:30 pm								
8:00 - 9:30 am	State of the Art Location - TBD	State of the Art Location - TBD							
8:00 - 8:45 am	Moderator: Debra Laefer, University College of Dublin <b>Reliability-Based Design of Foundations</b>  Fred H. Kulhawy, Ph.D., P.E., Dist.M.ASCE Department of Civil and Environmental Engineering, Cornell University	Moderator: Philip G. King, Gynchro Pile, Inc. <b>MONISMITH LECTURE - Inaugural Flexible Pavement Analysis and Design—A Half Century of Achievement</b> Carl L. Monismith, P.E., NAE, Hon.M.ASCE Dept. of Civil and Environmental Engineering, University of California, Berkeley							
8:46 - 9:30 am	Moderator: Hsein Juang, Clemson University <b>Risk Assessment in Geotechnical Engineering: Stability Analysis of Highly Variable Soils</b>  D. Vaughan Griffiths, Ph.D., P.E., F.ASCE Division of Engineering, Colorado School of Mines	Moderator: Sandra L. Houston, Arizona State University <b>Foundation Engineering on Expansive and Collapsing Soils: State of Practice</b>  John D. Nelson, Ph.D., P.E., F.ASCE Engineering Analytics, Inc. and William N. Houston, P.E., L.S., M.ASCE Dept. of Civil, Environmental, and Sustainable Engineering, Arizona State University							
9:30 - 10:00 am	AM BREAK in Exhibit Hall								
10:00 - 11:30am	Technical Session: DONE Location - TBD Track: Foundations <b>Recent Advances in Foundation Engineering: Deep Foundations - PART I</b>  Moderator(s): Muhannad Suleiman, Lehigh University and W. Robert Thompson III, Dan Brown and Associates, PC  Papers: Numerical Simulation of Column Supported Embankments with Geosynthetic Encased Columns: Influence of Soft Soil Constitutive Model Majid Khabbazian, Victor Kaliakin, Christopher Meehan	Technical Session Location - TBD Track: Pavements <b>Geotechnical Inputs to Mechanistic-Empirical Pavement Design - PART I</b>  Moderator(s): Shadi Saadeh, California State University, Long Beach and Charles Schwartz, University of Maryland  Papers: Influence of Fines Content of Unbound Granular Base Materials (UGB) under Cyclic Axial and Radial Stress Md Ohiduzzaman, S.C. Robert Lo, Ovidiu Craciun	Technical Session: DONE Location - TBD Track: Soil Properties <b>Session Honoring Jerry Yamamoto: Anisotropy and Shear Banding in Soils</b>  Moderator(s): Victor Kaliakin, University of Delaware  Papers: Simulations of 3-D Drained Behavior of Normally Consolidated Clay using Elastoplastic Models Pongpipat Anantanasakul, Victor Kaliakin	Technical Session: DONE Location - TBD Track: Analytical, Numerical, and Physical Modeling <b>Laboratory and Physical Modeling for Use in Studying Buried Pipeline Behavior Using Physical and Numerical Modeling</b>  Moderator(s): T. Matt Evans, North Carolina State University and Scott T. Anderson, Kleinfelder, Inc.  Papers: Studying Buried Pipeline Behavior Using Physical and Numerical Modeling Ömer Bilgin, Harry Stewart	Technical Session: DONE Location - TBD Track: Geoenvironmental Engineering <b>Beneficial Reuse of Waste and Recycled Materials in Sustainable Geotechnical Construction - PART I</b>  Moderators: Bate Bate, Missouri University of Science and Technology and Krishna Reddy, University of Illinois-Chicago  Papers: Viability of Recycled and Waste Materials as Green Roof Substrates Tyler Carson, Raha Hakimdavar, Kurt Sjoblom, Patricia Culligan	Technical Session - DONE [MIRA DONE] Location - TBD Track: Geoenvironmental Engineering <b>Advances in Heavy Metal Soil Treatment</b>  Moderator(s): Maria Chrysochoou, University of Connecticut  Papers: Scale Effects on As and Cr Mobility and Immobilization in Contaminated Soil Harald Weigand	Technical Session: DONE Location - TBD Track: Site Characterization, In Situ Testing and Monitoring <b>Uncertainty in Shear Wave Velocity Measurements using Surface Wave Methods</b>  Moderators: Brady R. Cox, University of Arkansas and Sebastiano Foti, Politecnico di Torino  Papers: A Comparison of MASW Dispersion Uncertainty and Bias for Impact and Harmonic Sources Clinton Wood, Brady Cox	Technical Session Location - TBD Track: Rock and Underground Space <b>Design and Construction of Rock Tunnels</b>  Moderators: Marte Gutierrez, Colorado School of Mines and Christian Frenzel, Colorado School of Mines  Papers: Engineering Geology and Site Characterization for SR-710 Tunnel Technical Study Ravee Raveendra, Yoga Chandran, Ping Tian, Ramon Chavez, Dan Jankly, Abdi Saghafi, Pratheep Piratheepan	Technical Session: DONE Location - TBD Track: Site Characterization, In Situ Testing and Monitoring <b>Advances in Remote Sensing in Geotechnical Engineering</b>  Moderators: Nicholas Sitar, University of California, Berkeley; Farshid Vahedifard, Paul C. Rizzo Associates, Inc.; and Nick Hudyma, University of North Florida  Papers: Ultra-High Resolution Four Dimensional Geodetic Imaging of Engineered Structures for Stability Assessment Gerald Bawden, Sandra Bond, Jessica Podoski, Oliver Kreylos, Louise Kellogg
10:03 - 10:13 am	Parametric Studies on Application of CPRF on Semi Soft Stratified Soils Henok Gebregziabher, Rolf Katzenbach	Evaluation of the MEPDG Rutting Models in Louisiana Conditions Zhong Wu, Xiaoming Yang	Shear Banding in Clay under Axisymmetric Triaxial Stress Conditions Jerry Yamamoto, Yigang Liu	Injection Experiments in Sand and Silica Flour Mixtures Patrick Callahan, Fengshou Zhang, Amie Martell, Andrew Horner, Haiying Huang	Utilization of Mine Tailings as Road Base Material Saeed Ahamri, Rui Chen, Lianyang Zhang	Effect of Temperature on the Heavy Metal Retention Characteristics of Semi Arid Soils of Saudi Arabia Arif Ali Baig Moghal, Mosleh Ali Al-Shamrani	Inversion Uncertainty in Surface Wave Analysis Cesare Comina, Sebastiano Foti, Laura Valentina Socco	Parameter Identification for Tunnels in Elastoplastic Ground Using a New Tunnel Convergence Model Marte Gutierrez, Sotirios Vardakos, Caichu Xia	Estimating Deformation Rates of a Creeping Landslide in California using Spaceborne Radar Interferometry Oscar Sunca, Dochul Yang, Daniel Dueri, Sean Buckley, Ellen Rathje
10:14 - 10:24 am	Numerical Modeling of Piles Subjected to An Underground Lateral Load Jie Huang, Sazzad Bin-Shafique	Effects of Subgrade Resilient Modulus and Climate Inputs on MEPDG Xiaoming Yang, Zhong Wu	Cross-Anisotropy in Fiber-Reinforced Sand Radoslaw Michalowski	Numerical Simulation of Direct Shear Test on Rock Joints Amit Shrivastava, K. Rao, Ganesh Rathod	Evaluation of Fly Ash and Soil Mixtures for Use in Highway Embankments Lin Li, Fabio Santos, Yadong Li, Wei Shao, Qian Zhao, Farshad Amini	Effectiveness of Iron Nanoparticles for Hexavalent Chromium Treatment Maria Chrysochoou, Chad Johnston	Shear Wave Velocity Via Inversion of Full Waveforms Khiem Tran, Dennis Hiltunen	Modeling Uncertainty in Cutter Wear Prediction for Tunnel Boring Machines Christian Frenzel	Mapping Surface Vesicles of a Cylindrical Basalt Specimen Using Laser Scanning Nick Hudyma, Rama Krishna Bathini, Alan Harris, Mary MacLaughlin
10:36 - 10:46 am	Use of In-Situ Tests for Design of Drilled Shafts in Coarse Granular Deposits Samer Rabab'ah, John Niedzielski, Dean Durkee	Resilient Moduli Behaviors of Lime-Cement Treated Subgrade Soils Ranjan Rout, Pinit Ruttanapornakul, Shashank Valluru, Anand Puppala	Analysis of a Field Experiment to Assess the Performance of an Anisotropic Plasticity Model for Cohesive Soils Majid Manzari, Karma Yonten	Numerical Simulation of Smear Effect on Radial Consolidation Daping Xiao, Hong Yang	Recycled Portland Cement Concrete Pavement Modulus Evaluation Using Surface Waves Hudson Jackson, Hudson Jackson, Nenad Gucunski	Stabilization of Hazardous Metals through Thermal Reactions with Clay Materials Kaimin Shih, Xiuqing Lu	Two-Dimensional Seismic Wave Modeling and Inversion by the Boundary Element Method Samuel Bignardi, Francesco Fedele, Glenn Rix, Giovanni Santarato, Anthony Yezzi	Design of Large-Span Caverns in Rock under Shallow Cover Sanja Zlatanic, Patrick H.C. Chan	LIDAR-Based Rock-Fall Hazard Characterization of Cliffs Brian Collins, Greg Stock
10:47 - 10:57 am	On Pile Driving in the Offshore of the Arabian Peninsula: The Status Quo and Major Concerns Waddah Akili	Incorporating Stochastic Evaluation in the Estimation of Soil Resilient Modulus Daniel Rosenbalm, Claudia Zapata	Selected Observations from 3-D Experimental and Numerical Studies of Shear Banding in Biaxial Shear Tests David Frost, Matthew Evans, Ye Lu, Xueliang Zhao	Interaction between Electromagnetic Waves and Transport in Saturated Media Mahsa Azad, Harlan Sangrey, Arvin Farid, Jim Browning, Elisa Barney Smith	Mechanistic Evaluation of Recovered Materials from Recycled Asphalt Pavement Zahid Hossain, Pranshoo Solanki, Musharraf Zaman	The Use of Natural Zeolites as a Sorbent for Treatment of Dissolved Heavy Metals in Stormwater Runoff Christopher Gray, Susan Burns, Jon Griffith	Analysis of Surface-Wave Data Including Higher Modes Using the Genetic Algorithm Koichi Hayashi	Analysis of Force Path Diagrams of Linear Cutting Machine – Tests Regarding Geotechnical Parameters Martin Entacher, Klaus Lassnig, Robert Galler	3-D Stratigraphy and Root Geometry from Trench and Ground-Based LiDAR Mapping Diego Cobos, Michelle Shiro, Nicholas Sitar, Jonathan Bray, Gerald Bawden, John Lichter, Richard Evans
10:58 - 11:08 am	A Laboratory Process to Determine the Time-Dependent Increased Interface Frictional Behavior Between Soil and Construction Materials Eric Steward	Structural Contribution of Geogrid Reinforcement in Pavement Qiming Chen, Murad Abu-Farsakh	Global and Local Mechanical-Fabric Measurements in Granular Assemblies Using DEM Pengcheng Fu, Yannis Dafalias	Simulating the Viscous Behavior of Sandy Ground by FEM Fang-Le Peng, Ke Tan, Yong Tan	pH-Dependent Leaching of Trace Elements from Recycled Concrete Aggregate Jiannan Chen, Sabrina Bradshaw, Craig Benson, James Tinium, Tuncer Edil	Immobilization of Sb(III) and Sb(V) using Steel Slag Fines Santhi Jagulipilla, Dennis G. Grubb, Mahmoud Wazne	Application of a Simplified Inversion Technique to Published Surface Wave Dispersion Data – Comparisons with Advanced Methods of Inversion Panagiotis Pelekis, George Athanasopoulos	Seismic Response of Twin Tunnels in Weathered Rocks Anitha Kumari S D, Vipin K S, Sitharam T G	Satellite Imaging of Earthquake Geotechnical Highway Damage Mesut Turel, David Frost
11:09 - 11:19 am	Construction and Analysis of Cast-in-Place Tubular Piles Robert Liang, Han Long Liu, Gang Qiang Kong	Hydraulic Properties of Recycled Asphalt Pavement and Recycled Concrete Aggregate Kongrat Nokkaew, James Tinjum, Craig Benson	Inherent Anisotropy in Pavement Subgrades Lucas de Melo, Bartolomeu Cabral	Field-Measured Response of an Integral Abutment Bridge Karthik Kirupakaran, Kanthasamy K. Muraleetharan, Gerald A. Miller, Bryce Hanlon	Sustainable Use of Low Lime Fly Ashes in Geotechnical and Geoenvironmental Applications Arif Ali Baig Moghal, Afzal Ali Baig Moghal	Use of Citric Acid Industrial Wastewater to Enhance Electrochemical Remediation of Cadmium-Contaminated Natural Clay Ying-Ying Gu, Albert Yeung	Observations from the Implementation of a Combined Active and Passive Surface Wave Based Methodology Andhika Sahadewa, Dimitrios Zekkos, Richard Woods	Geotechnical Challenges of Transbay Downtown Extension Mined Tunnel Yiming Sun, Bhaskar Thapa, Steve Klein	Applications of DInSAR for Measuring Mine-Induced Subsidence and Constraining Ground Deformation Model Fitra Ismayia, James Donovan
11:20 - 11:30 am	Analysis of Laterally Loaded Piles in Liquefiable Soils with a Frozen Crust Qiang Li, Xiaoyu Zhang, Zhaohui Yang	Local Sensitivity of Mechanistic-Empirical Flexible Pavement Performance Predictions to Unbound Material Property Inputs Rui Li, Charles Schwartz, Sunghwan Kim, Halil Ceylan	Upper-Bound Solutions for Bearing Capacity of Footings on Anisotropic Cohesive Soils Mosleh Ali Al-Shamrani, Arif Ali Baig Moghal	A Refined Approach to Barcelona Basic Model: Experimental Evidence and Parametric Performance Laureano Hoyos, Diego Perez-Ruiz	Volumetric and Mechanistic Characteristics of Asphalt Mixes Containing Recycled Asphalt Pavement Pranshoo Solanki, Zahid Hossain, Musharraf Zaman, David Adje	Waste for Waste: A New Management Approach in Deteriorated Soil Remediation Orsolya Klebercz, Viktoria Feigl, Emese Vaszita, Katalin Gruiz, Judit Kovács, Viktor Kófalusi	A Comparison of SASW Survey Results with In-Situ Field Investigation Methods Marshall Lew, Kenneth H. Stokoe II, Craig A. Davis, Hari Ponnaboyina, Martin B. Hudson, David L. Perry		Movement and Erosion Quantification of the Johnson Creek, Oregon Landslide Through 3D Laser Scanning Michael Olsen, Jonathan Allan, George Priest
11:30 am - 1:00 pm	LUNCH in Exhibit Hall								

1:30 - 3:00 pm	State of the Practice Location - TBD	State of the Practice Location - TBD						
1:30 - 2:15 pm	Moderator: J. Brian Anderson, Auburn University <b>Foundation Design for Tall Buildings</b> Harry G. Poulos, D.Eng., Ph.D., P.E., Dist.M.ASCE Coffey Geotechnics	Moderator: John Bowders, University of Missouri-Columbia <b>State-of-the-Practice of Characterization and Remediation of Contaminated Sites</b> Jeffrey A. Adams, Ph.D., P.E., M.ASCE ENGEO Incorporated, and Krishna R. Reddy, Ph.D., P.E., D.GE, M.ASCE Dept. of Civil and Materials Engineering, University of Illinois at Chicago						
2:16 - 3:00 pm	Moderator: Robert Thompson, Dan Brown & Associates <b>Drilled Foundations: State of the Practice</b> Dan A. Brown, Ph.D., P.E., D.GE, M.ASCE Dan Brown and Associates, PC	Moderator: Jason DeJong, University of California-Davis <b>Site Characterization using Advanced Sampling Techniques in Combination with In Situ Tests</b> Don J. DeGroot, M.ASCE Dept. of Civil and Environmental Engineering, University of Massachusetts Amherst, with Charles C. Ladd, Sc.D, P.E., D.GE, NAE, Dist.M.ASCE Massachusetts Institute of Technology						
3:00 - 3:30 pm	PM BREAK in Exhibit Hall							
3:30 - 5:00 pm	Software Demonstration Session Location - TBD Track: Software Demonstrations <b>Software Demonstration on Seismic Analyses</b> Moderators: Thaleia Trivasarou, Fugro	Technical Session: DONE Location - TBD Track: Foundations <b>Recent Advances in Foundation Engineering: Deep Foundations - PART II</b> Moderators: Brian Anderson, Auburn University and Debra Laefer, University College Dublin Papers: <i>Measured Soil-Pile Interaction for Small Diameter Piles Embedded in Granular Soil Subjected to Lateral Soil Movement</i> Muhannad Suleiman, Anne Raich, Lusu Ni, William Kingston, Timothy Polson, Jeffery Helm	Technical Session: DONE Location - TBD Track: Pavements <b>Geotechnical Aspects of Pavements</b> Moderators: Pavana Vennapusa, Iowa State University and Michael A. Mooney, Colorado School of Mines Papers: <i>Pavement Back-Calculation Method Based on Site-Specific FEM Analysis</i> Athan Papagiannakis, Juan Marchant	Technical Session: DONE Location - TBD Track: Soil Properties <b>Behavior and Characterization of Cemented and Stabilized Soils</b> Moderators: Daniel Verastegui Flores, Ghent University, Belgium and Gemmina Di Emidio, Ghent University, Belgium Papers: <i>Accelerated Testing of Cement Treated Singapore Marine Clay Cured under Elevated Temperature</i> Yitan Lu, Thiam-Soon Tan, Kok-Kwang Phoon	Technical Session: DONE Location - TBD Track: Analytical, Numerical, and Physical Modeling <b>Numerical Modeling: Dynamics</b> Moderators: Scott T. Anderson, Kleinfelder, Inc. and T. Matt Evans, North Carolina State University Papers: <i>Effect of Ground Motion Characteristics on Liquefaction Modeling of Dams</i> Michael Beaty, Viad Perlea	Technical Session: DONE Location - TBD Track: Geoenvironmental Engineering <b>Beneficial Reuse of Waste and Recycled Materials in Sustainable Geotechnical Construction - PART II</b> Moderator(s): Lin Li, Jackson State University and Sivakumar Babu, Indian Institute of Science Papers: <i>Testing Framework Development for Use of CCPs in Large-Volume Applications</i> Angelica Palomino, Nicholas Plaks, Barry Scheetz	Technical Session: DONE Location - TBD Track: Geoenvironmental Engineering <b>Geotechnics of Sediment Remediation</b> Moderators: Jeffery Melton, AECOM and Mahmoud Wazne, Stevens Institute of Technology Papers: <i>Improvement of Sediment - Water Quality by Resuspension</i> Masaharu Fukue, Tetsuro Koderu, Hidenori Kouge, Yoshio Sato, Mahiro Yamana, Catherine Mulligan	Technical Session: DONE Location - TBD Track: Analytical, Numerical, and Physical Modeling <b>Analytical and Numerical Methods in Discontinuous Media</b> Moderator: Pooyan Asadollahi, University of the District of Columbia Papers: <i>Physical Modeling of Soil-Infilled Discontinuities</i> Buddhima Indraratna, Wuditha Premadasa, David Oliveira, Jan Nemcik
3:33 - 3:43 pm	<b>Web-Based Searching of PEER NGA Ground Motion Records</b> Carola Di Alessandro, Pacific Earthquake Engineering Research Center (PEER), University of California, Berkeley James C. Way, Pacific Earthquake Engineering Research Center, University of California, Berkeley Camila Coria, Department of Civil and Environmental Engineering, University of Nevada, Reno Youssef Bozorgnia, Pacific Earthquake Engineering Research Center, University of California, Berkeley, California	<b>Measured Soil-Pile Interaction for Small Diameter Piles Embedded in Granular Soil Subjected to Lateral Soil Movement</b> Muhannad Suleiman, Anne Raich, Lusu Ni, William Kingston, Timothy Polson, Jeffery Helm	<b>Pavement Back-Calculation Method Based on Site-Specific FEM Analysis</b> Athan Papagiannakis, Juan Marchant	<b>Accelerated Testing of Cement Treated Singapore Marine Clay Cured under Elevated Temperature</b> Yitan Lu, Thiam-Soon Tan, Kok-Kwang Phoon	<b>Effect of Ground Motion Characteristics on Liquefaction Modeling of Dams</b> Michael Beaty, Viad Perlea	<b>Testing Framework Development for Use of CCPs in Large-Volume Applications</b> Angelica Palomino, Nicholas Plaks, Barry Scheetz	<b>Improvement of Sediment - Water Quality by Resuspension</b> Masaharu Fukue, Tetsuro Koderu, Hidenori Kouge, Yoshio Sato, Mahiro Yamana, Catherine Mulligan	<b>Physical Modeling of Soil-Infilled Discontinuities</b> Buddhima Indraratna, Wuditha Premadasa, David Oliveira, Jan Nemcik
3:44 - 3:54 pm	<b>Conducting Site Response Simulations with Strata</b> Albert Kottke, Pacific Earthquake Engineering Research (PEER) Center, University of California, Berkeley Elen M. Rathje, University of Texas at Austin	<b>Variation of P-Multipliers of Pile Groups in Clayey Soils</b> Emilios Comodromos, Mello Papadopoulou, Nikolaos Klimis	<b>Forward Calculation of the Subgrade Modulus Using Falling Weight Deflectometer Time Histories and Wave Propagation Theory</b> Karim Chatti, Ligang Lei	<b>Measurement of Cementitiously Stabilized Soil Slurry Thermal Profiles</b> W. Griffin Sullivan, Tim Cost, Isaac Howard	<b>Analysis of Submarine Flow Slides in Fine Silty Sand</b> Poul Lade, Jerry Yamamoto	<b>Numerical Modeling for Remedial Measures of Shallow Slope Failure using Recycled Plastic Pins</b> Jubair Hossain, M.D. Sahadat Hossain	<b>Experimental Study on Electro-osmotic Consolidation of Expansive Soils</b> Wu Hui, Hu Liming	<b>Global Continuous - Local Discontinuous Approach for the Analysis of Shallow Underground Caverns in Soft and Discontinuous Rock</b> Michael Tsesarsky, Erez Gal, Eli Machlav
3:55 - 4:05 pm	<b>DEEPSOIL V5.0 1-D Equivalent Linear and Nonlinear Site Response</b> Michael I. Musgrove, University of Illinois at Urbana-Champaign Youssef M. A. Hashash, University of Illinois at Urbana-Champaign	<b>Analysis of Laterally Loaded Piles in Frozen Soils</b> Zhaohui Yang, Qiang Li, Jacob Horazdovsky, Leroy Hulsey, Elmer Marx	<b>Laboratory and Field Measured Moduli of Unsurfaced Pavements on Weak Subgrade</b> Debakanta Mishra, Erol Tutumluer, Maziar Moaveni, Yuanjie Xiao	<b>Monitoring the Impact of Sulfate Attack on a Cement-Clay Mix</b> Gemmina Di Emidio, Ramiro Daniel Verastegui Flores	<b>Updates to a Practice-Oriented Liquefaction Model</b> Ethan Dawson, Lelio Mejia	<b>Durability Characteristics of Sustainable Pervious Pavement Materials</b> Jabber Al-Bihani, Chibuikem Okoro, Abubakar Mohamed, Noura Abu Al Faraj, Najj Khoury	<b>A Strain-Based Model to Screen for Residual Pore Pressures in Sediment Caps</b> Aaron Bradshaw	<b>Thermo-Mechanical Damage in Porous Rocks: Theoretical Framework and Modeling Considerations</b> Hao Xu, Chloe Arson
4:06 - 4:16 pm	<b>Numerical Analysis capabilities for 3D Seismic Response of Ground and Ground-Foundation Systems</b> Ahmed Elgamal, University of California, San Diego, CA Jinchi Lu, University of California, San Diego, CA Kevin Mackie, University of Central Florida, Orlando, FL	<b>Evaluation of Performance Criteria for Short, Laterally Loaded Drilled Shaft Piers</b> Peter Kandaris, Anthony DiGioia, Jr., Zackary Heim	<b>Kansas Experience with Stiffness-Based Quality Control/Quality Assurance Specifications for Compaction of Highway Embankments</b> Farhana Rahman, Mustaque Hossain, Stefan Romanoschi, James Brennan	<b>Soil Stabilisation using Sustainable Industrial By-Product Binders and Alkali Activation</b> Paul Sargent, Paul Hughes, Mohamed Rouainia, Stephanie Glendinning	<b>Comparing Frequency and Time Domain Interpretations of Bender Element Shear Wave Velocities</b> Mark Styler, John Howie	<b>Manganese and Chromium Leaching from High Carbon Fly Ash Stabilized High Carbon Fly Ash Amended Embankments</b> Bora Cetin, Ahmet Aydilek, Lin Li	<b>Effect of Sand Column Inclusions on the Drained Response of Soft Clays</b> Shadi Najjar, Salah Sadek, Michel Zakharia, Sarmad Khalaf	<b>Pore Directivity of Soils Subjected to Shearing: Numerical Simulation and Image Processing</b> Dong Hun Kang, JungHwoon Lee, Jinhyun Choo, Tae Sup Yun
4:17 - 4:27 pm	<b>Consolidation of Ground with Prefabricated Vertical Drains Combined with Time-Dependent Surcharge Loading in Membrane System</b> Buddhima Indraratna, Xueyu Geng, Cholachat Rujikiatkamjorn	<b>Performance Verification of a Geogrid Mechanically Stabilized Layer Flexible Pavement Design as Part of the La Media Road Widening Project</b> Mark Wayne, Lars Nelson, Garrett Fountain	<b>Direct Shear Strength of Biologically Cemented Gravel</b> Leon Van Paassen, Werner Van Hemert, Wouter Van der Star, Gerard Van Zwieten, Lennart Van Baalen	<b>Non-Linear Small Strain Stiffness of Glacial Till</b> David Simpson, Mohamed Rouainia	<b>Experimental Evaluation of Lime Sludge Performance in Subgrade Stabilization</b> Bin Zhang, Xiong Yu	<b>Electrically Assisted Recovery of Immiscible Hydrocarbon Liquids From Clayey Formations</b> Reena Amatya Shrestha, Alla Miroshnik, Ehsan Ghazanfari, Sibel Pamukcu	<b>Finite Element Computations of Yield Vertex Non-Coaxial Models</b> Yunming Yang, Hai-Sui Yu	
4:28 - 4:38 pm	<b>Field Behavior of Jet Grouting Pile Under Vacuum Preloading of Soft Soils with Deep Sand Layer</b> Wenjun Han	<b>Effect of Compaction Method on Mechanical Behavior of Graded Aggregate Base Materials</b> Zulkuf Kaya, Altan Cetin, Bora Cetin, Ahmet Aydilek	<b>Quantitative Models for Strength of Lime Treated Expansive Soil</b> Amir Nasrizar, Kanniappan Ilamparuthi, M. Mutharam	<b>Single Degree of Freedom Modeling and Testing of a Pile Under Lateral Impact Load</b> Alireza Mirdamadi, Seok-Gyu Lim, Jean-Louis Briaud, Jose Roesset, Dean Albersson	<b>Centrifuge Model Tests On Rail Embankments Constructed With Coal Ash As A Structural Fill Material</b> Bhamidipati Viswanadham, Arghya Das, V K Mathur	<b>Electrically Induced Transport of Immiscible Hydrocarbons in Clay Soil</b> Alla Miroshnik, Ehsan Ghazanfari, Reena Amatya Shrestha, Sibel Pamukcu	<b>Mathematical Modeling of Electrically Assisted Hydrocarbon Transport in Porous Media</b> Ehsan Ghazanfari, Mesut Pervizpour, Sibel Pamukcu	
4:39 - 4:49 pm	<b>Guidelines for the Application of Base Grouting for Drilled Shafts</b> Raymond Castelli	<b>Laboratory Evaluation of Foamed Asphalt Stabilized Base Materials</b> Sadaf Khosravifar, Dimitrios Goulias, Charles Schwartz	<b>Development of a Deep Mixing Model System on Centrifuge Platform</b> Jian Chen, Fook Hou Lee	<b>Mechanical Behavior of Granular Materials considering Confining Pressures Dependency</b> Md. Abu Sayeed, Md. Mahmud Sazzad, Kiichi Suzuki	<b>Potential Use of Recycled Crushed Concrete-Recycled Crushed Glass Brulds in Pavement Subbase Applications</b> M. M. Younus Ali, Arul Arulrajah	<b>Consolidation Properties of NAPL Contaminated Sediments</b> Mustafa Erten, Chadi El Mohtar, Robert Gilbert, Danny Reible	<b>Advanced Geological Detection For Tunneling in Karst Area</b> Hui Ma, Shougen Chen, Xinrong Tan, Yubao Zhao	
4:50 - 5:00 pm	<b>Statistical Analysis on Socket Depth of Pile</b> Guoliang Dai, Weiming Gong, Lijun Meng	<b>Impact of Bio-fuel Co-Product Modified Subgrade on Flexible Pavement Performance</b> Sungwhan Kim, Kasthurirangan Gopalakrishnan, Hali Ceylan	<b>Finite Element Analysis of Consolidation Behavior of Composite Soft Ground</b> Suksun Horpibulsuk, Arnon Cholaphatsron, Jirayut Suebsuk, Avirut Chinkulkijniwat, Martin D. Liu	<b>Parametric Identification of Dynamic Granular Soil Properties by Ambient Vibration</b> Mahdi Soudkhal, Ronald Y. S. Pak	<b>Soil Modification with Shredded Rubber Tires</b> Binod Tiwari, Beena Ajmera, Suzanne Moubayed, Alexander Lemmon, Kelby Styler	<b>The Influence of Crack Roughness on the Compressive and Shear Strengths of Brittle Fissured Materials</b> Luis Vallejo		

5:00 - 6:30 pm	State of the Art Location - TBD	State of the Art Location - TBD							
5:00 - 5:45 pm	Moderator: Paola Bandini, New Mexico State University <b>Requirement of Multi-channel In Situ Tests for Routine Geotechnical Site Characterization</b>  Paul W. Mayne, Ph.D., P.E., M.ASCE School of Civil and Environmental Engineering, Georgia Institute of Technology	Moderator: Jose Andrade, California Institute of Technology <b>Computational Plasticity for Geotechnical Applications</b>  Ronaldo I. Borja, A.M.ASCE Dept. of Civil and Environmental Engineering, Stanford Universit							
5:46 - 6:30 pm	Moderator: Nenad Gucunski, Rutgers University <b>Shear Wave Profiling</b>  Soheil Nazarian, Ph.D., P.E., D.GE, F.ASCE Dept. of Civil Engineering, University of Texas at El Paso	Moderator: Susan Burn, Georgia Institute of Technology <b>Using Unsaturated Geotechnics to Design Covers for Waste Containment</b>  Craig H. Benson, Ph.D., P.E., D.GE, F.ASCE Dept. of Civil and Environmental Engineering, University of Wisconsin-Madison							
8:00 - 11:59 pm	Committee Meetings Location - TBD <b>Technical Committee Meetings</b> (see separate listing in program)¶								

Thursday, March 29, 2012									
7:00 am - 2:00 pm	Registration Open   7:00 am - 2:00 pm								
7:00 am - 6:00 pm	Speaker Ready Room Open   7:00 am - 12:30 pm								
8:00 - 9:30 am	State of the Art	State of the Art							
8:00 - 8:45 am	Location - TBD Moderator: Peter G. Nicholson, University of Hawaii	Location - TBD Moderator: Kyle Rollins, Brigham Young University							
	<b>Stability Analysis of Levees</b>  Raymond B. Seed, Ph.D., M.ASCE Dept. of Civil and Environmental Engineering, University of California, Berkeley	<b>Ground Improvement in the 21st Century: A Comprehensive Web-Based Information System</b>  James K. Mitchell, Sc.D., P.E., NAE, Dist.M.ASCE Dept. of Civil and Environmental Engineering, Virginia Polytechnic Institute and State University and Vern R. Schaefer, Ph.D., P.E., M.ASCE Dept. of Civil, Construction, and Environmental Engineering, Iowa State University							
8:46 - 9:30 am	Moderator: Xavier Vera Grunaer, Geo Studios, S.A.	Moderator: Rodrigo Valencia, Tensar International Corporation, Inc.							
	<b>Column Supported Embankments</b>  George M. Filz, Ph.D. Dept. of Civil and Environmental Engineering, Virginia Polytechnic Institute and State University	<b>State of the Art on Geosynthetics Engineering</b>  Jorge G. Zornberg, Ph.D., P.E., M.ASCE Dept. of Civil, Architectural, and Environmental Engineering, University of Texas at Austin							
9:30 - 10:00 am AM BREAK									
10:00 - 11:30am	Technical Session: DONE Location - TBD Track: Foundations	Technical Session: DONE Location - TBD Track: Geotechnical Engineering Education	Technical Session: DONE Location - TBD Track: Pavements	Technical Session: DONE Location - TBD Track: Earth Stability	Technical Session: DONE Location - TBD Track: Site Characterization, In Situ Testing and Monitoring	Technical Session: DONE Location - TBD Track: Site Characterization, In Situ Testing and Monitoring	Technical Session: DONE Location - TBD Track: Geoenvironmental Engineering	Technical Session: DONE Location - TBD Track: Earth Stability	Technical Session: DONE Location - TBD Track: Rock and Underground Space
10:00 - 10:02 am	<b>Recent Advances in Foundation Engineering: Foundations</b>  Moderators: Robert Y. Liang, University of Akron and Elizabeth M. Smith, Terracon Consultants, Inc.	<b>Geotechnical Engineering Education</b>  Moderators: Anirban De, Manhattan College and Jim Hanson, California Polytechnic State University	<b>Geosynthetics in Roadway Construction: Performance Specifications and Evaluation</b>  Moderators: Rodrigo Valencia, Tensar International Corporation, Inc. and James G. Collin, The Collin Group	<b>Research Advances and Case Histories of Deep Excavations</b>  Moderator: Lucy C. Jen, Exponent Failure Analysis Associates	<b>Advances in Sensing/Monitoring Techniques during Geoconstruction</b>  Moderator: Michael A. Mooney, Colorado School of Mines	<b>Advances in In-situ Testing Technologies in Geotechnical Engineering: Interpretations, Analysis, Design, and Monitoring</b>  Moderators: Murad Abu-Farsakh, Louisiana State University and Nick Hudyma, University of North Florida	<b>[13] Geoenvironmental Case Histories: Challenges and Innovation</b>  Moderators: Kevin Foye, P.E., CTI and Associates, Inc. and Carsten H. Floss, P.E., AECOM	<b>Erosion and Scour</b>  Moderator(s): Thomas F. Zimmie, Rensselaer Polytechnic Institute and Ming Xiao, California State University, Fresno	<b>Rock Mechanics and Underground Construction</b>  Moderators: Hong Yang, Parsons Brinkerhoff and Christian Frenzel, Colorado School of Mines
10:03 - 10:13 am	Papers: <b>Field Stiffness Reduction Evaluations from Back-Analysis of Pile Load Tests</b>  Fawad Niazi, Paul Mayne	Papers: <b>A Review of Shear Stress Sign Convention in Interpreting Mohr's Circle Using the Pole of Planes Method</b> Scott Merry, Evert Lawton	Papers: <b>Assessment of QC/QA Technologies for Evaluating Properties and Performance of Geosynthetics in Roadway Systems</b> Jie Han, Jitendra Thakur, Ryan Corey, Barry Christopher, Deep Khatri, Bhaqaban Acharya	Papers: <b>FE Simulation of Deep Excavations in Sensitive Soft Clay</b>  Ye Lu, Yong Tan, Fangle Peng, Shaoming Liao	Papers: <b>Maximizing the Benefits of Real Time Monitoring of Geotechnical Construction</b>  Richard Finno, Kristi Kern	Papers: <b>Feasibility and Sensitivity Analysis of At-Rest Lateral Stress Coefficient (K<sub>0</sub>) Evaluations Using Paired Shear Wave Velocity Modes</b> Taeseo Ku, Paul Mayne	Papers: <b>Centrifuge Modeling of LNAPL Migration with Soil Cement Barrier in Case of Flow and No Flow Condition</b> Chusak Kerarat, Inthuum Sasanakul, Suttisak Soralump	Papers: <b>Biological Mechanisms of Piping Erosion Reduction of Organic Soils</b>  Benjamin Adams, Ming Xiao	Papers: <b>Thermal Modeling of a Mechanical Integrity Test on an Underground Storage Cavern</b>  Brandon Lampe, John McCartney
10:14 - 10:24 am	<b>Dynamic Interaction of Two Nearby Machine Foundations on Homogeneous Soil</b>  Vivek P, Priyanka Ghosh	<b>The Adjunct Professor's Role in Geotechnical Engineering Education: A Bridge between the Classroom and the Workplace</b>  Waddah Akili	<b>Performance Monitoring of a Geosynthetic-Reinforced Road Subjected to Traffic and Environmental Loads</b>  Jorge Zornberg	<b>Use of Modeling and Instrumentation during Construction of the University Link I-5 Undercrossing Project</b>  Lynn Salvati, Richard Smith	<b>Stiffness Monitoring during Vibratory Compaction of Foundation Soil for Venice Lagoon Restoration Project</b>  Michael Mooney, Nathan Toohey, Francesco Carnevale	<b>Measurement of Thermal Properties of Soils by Thermal Pulse Technology</b>  Bin Zhang, Xiong Yu	<b>Permeable Reactive Barrier (PRB) Technology: An Innovative Solution for the Remediation of Acidic Groundwater from Acid Sulphate Soil (ASS) Terrain</b>  Laura Banasiak, Buddhima Indraratna	<b>Validation of Erosion Modeling: Physical and Numerical</b>  Mehrad Kamalzare, Thomas Zimmie, Christopher Stuetzle, Zhongxian Chen, Barbara Cutler, W. Randolph Franklin	<b>Sustainability and Resilience of Underground Urban Infrastructure: New Approaches to Metrics and Formalism</b>  Priscilla P. Nelson, Raymond L. Sterling
10:25 - 10:35 am	<b>New Findings from Centrifuge Modeling of Rocking Shallow Foundations in Clayey Ground</b>  Manouchehr Hakhamaneshi, Bruce Kutter, Lijun Deng, Tara Hutchinson, Weian Liu	<b>Undergraduate Geotechnical Lesson Modules Based on New Orleans Levee Failures</b>  Anirban De	<b>Relevancy of Material Properties in Predicting the Performance of Geogrid-Stabilized Roadways</b>  Mark Wayne, Stephen Archer	<b>Research and Design on Top-Down Method for Large Scale Basement Excavation under Podium of Shanghai Tower</b> Jian Jia, XiaoLin Xie, JieQun Zhai, Yu Zhang, Ke Yang, XiaoHang Guo	<b>Real-Time Health Monitoring System for Power Tunnel</b>  Xiongyao Xie, Lei Feng	<b>Investigation of In-Situ Soil Density Change by Resistivity Measurements</b>  Anders Beijer Lundberg, Jelke Dijkstra, Frits van Tol, Wout Broere	<b>Hydrogeological and Engineering Geological Significance of Fault Debris Fractal Dimension</b>  Fuqing Wang	<b>Finite Element Analysis of Rapidly Deployable Armoring System to Mitigate Levee Erosion During Overtopping</b> Amanda Bilberry, Isaac Howard, Philip Gullett	<b>Dewatering at Crane Valley Dam</b>  Frederick Rhyner, Jesse Richins, Ahmed Elmekati, Joseph Sun
10:36 - 10:46 am	<b>Shallow Foundation Design over Diagenetic Limestone along the Arab Gulf Coast: An Overview</b>  Waddah Akili	<b>Service-Learning Design Projects to Enhance geotechnical Engineering Education</b>  Mandar Dewoolkar, John Lens, Nancy Hayden	<b>Pullout Performance of Geogrids with Different Junction Strength</b>  Tahsina Mahmood, Kianoosh Hatami, Rouzbeh Ghabchi, Musharraf Zaman	<b>Deep Portal Shafts for the Brightwater Tunnels: Geotechnical Design Considerations and Construction Experience</b> Farid Sariosseiri, Ulf G. Gwildis, Michael A. Lach	<b>Tunneling Effect on Pile Group Response in Bangkok</b>  Thayanan Boonyarak, Charles Ng	<b>Numerical Study of Rock Identification Number <math>\beta</math> in Pressuremeter Test</b>  Abdulla A. Sharo, Robert Y. Liang	<b>The Importance of Hydrogeologic Characterization and Analysis to Avoid Off-site Impacts in Highway Construction</b> Daniel Stephens, Farag Botros, Stanley Helenschmidt, Bill Casadevall, Peter Quinlan, Daniel Davis	<b>An Innovative Approach to Reuse and Retain Dredged Sediment for Erosion Control Using Geotextile Containers in Ecosvstem Restoration</b> Nageshwarreddy Kanati, Sachin Mandavkar, Rusty Payne	<b>Characterization and Treatment of Mélange and Sandstone Foundation at Calaveras Dam</b>  John Roadifer, Michael Forrest
10:47 - 10:57 am	<b>Behaviour of a Strip Footing Near Slope Crest Under Vertical Cyclic Loading</b> Md. Islam, C. T. Gnanendran	<b>Geotechnical Engineering Education in the IT Era</b>  Sukhmander Singh	<b>Effect of Geosynthetic Reinforcement Creep on the Long Term Performance of an Embankment</b> Md Rajibul Karim, C. T. Gnanendran, S-C. R. Lo	<b>Decision Process for Selection of Retaining Structure for an Excavation in Soft Clay</b> Turan Dugunoglu, Fatih Kulac, Selim Ikiz, Ali Gunay, Onder Akcakal	<b>Observational Method in Urban Tunneling Using Real Time Surface Settlement Monitoring</b> Boris Caro Vargas, Martin Beth	<b>Cross-Anisotropy of Chicago Glacial Clays from Field and Laboratory Data</b> Richard Finno, Dennis Hiltunen, Taesik Kim	<b>Case Study - Puerto Rico Testsite for Exploring Contamination Threats</b> Jose Cordero, John Meeker, Thomas Sheahan, Roger Giese, Michael Silevitch, Ingrid Padilla, Rita Loch-Carusio, David Kaelin, Akram Alshawabkeh	<b>Multiscale Modeling of Flood-Induced Scour in a Particle Bed</b> Yasser Abdelhamid, Usama El Shamy	<b>Fracture Cluster Modeling for Groundwater Inflow Prediction into Rock Tunnels Using Geostatistics</b> Ran Chen, Fulvio Tonon
10:58 - 11:08 am	<b>Pseudo-Static Uplift Capacity of Obliquely Loaded Horizontal Strip Anchor in Cohesionless Soil</b> Sunil Rangari, Deepankar Choudhury, D. M. Dewalkar		<b>Studies on the Performance of Geogrid Reinforced Soil Walls with Compressible Inclusion</b> A S Mane, Bhamidipati Viswanadham		<b>Instrumentation for Tunneling Applications for Block 37 Development in Chicago</b> Alireza Ayoubian, Douglas Roy	<b>Investigation of Moisture Variation of Backfill Soil in MSE wall</b> Golam Kibria, MD Sahadat Hossain, Jubair Hossain, Mohammad Sadik Khan	<b>Bank Stabilization at Geyserville Bridge Site Using Re-Directive and Bioengineering Measures</b> John McCullah, Donald Gray, David Yam		<b>Anisotropic Dilatant Behavior of Rock Fractures</b>  Pooyan Asadollahi, Fulvio Tonon
11:09 - 11:19 am	<b>Development and Interpretation of Geotechnical Contract Provisions for Design-Build Projects: Success Strategies for Owners and Contractors</b> Elizabeth Dwyre, John Jenkins, Raymond Castelli				<b>Truly Distributed Measurement of Impact Strains in Clay and Sand by Use of Embedded BOTDA Fiber Optic Sensors</b> Hai Lin, Qingsong Cui, Mesut Pervizpour, Sibel Pamukcu, Mark Mentzer	<b>True Three-Dimensional Soil Classification Based On CPTu Data</b>  Tianfei (Tyler) Liao, Paul Mayne	<b>Unique Design and Quality Control of CDSM for Water Cutoff, BART WSX Project, Fremont, CA</b>  Thomas Lee, Doug Jenevein, Mitch Fong		<b>Construction of a Large-Span Tunnel with Small Overburden in Soft Rocks</b>  Jianqin Ma
11:20 - 11:30 am	<b>Updated CS2 Model for Large Strain Consolidation of Clay</b>  Hefu Pu, Patrick J. Fox				<b>Real Time Global Subsurface Monitoring Using New Application of Wireless Signal Networks, Proof of Concept</b> Ehsan Ghazanfari, Suk-Un Yoon, Sibel Pamukcu, Muhammad Suleiman, Liang Cheng	<b>Behavior of a Trial Embankment with Reinforced Steep Slope and Mechanically Stabilized Earth Wall II: Field Monitoring</b> Montri Dechasakulsom, Jiraroth Sukolrat, Aukpath Sawangsuriya	<b>Remediation of a Former MGP Site in Norwich New York: A Case Study</b>  Carsten Floss, Scott Underhill, Tracy Blazicek, Matthew Thorpe, Scott McDonough, Reeti Doshi		<b>Economical Benefits of Rock Joint Testing</b>  Andre Hawks, Brian Asbury, J David Rogers, Jamal Rostami

11:30 am - 1:00 pm	State of the Art Location - TBD									
11:30 am - 12:15 pm	Moderator: Jim Hanson, California Polytechnic State University <b>Geotechnical Engineering Education</b> Andrea L. Welker, P.E., M.ASCE Dept. of Civil and Environmental Engineering, Villanova University									
12:16 - 1:00 pm	Moderator: Hong Yang, Parsons Brinckerhoff <b>Tunneling in Difficult Stress-Strain Conditions</b> Fulvio Tonon, A.M.ASCE Dept. of Civil, Architectural and Environmental Engineering, The University of Texas at Austin									
1:00 - 5:00 pm	Workshop <b>US-Russian Workshop (AJ-Toppers)</b> Location - TBD	Workshop <b>USUGGER Workshop</b>								
5:00 - 7:00 pm										
<b>Friday, March 30, 2012</b>										
8:00 am - 12:00 noon	Workshop <b>US-Russian Workshop (AJ-Toppers)</b> Location - TBD									
	AM Coffee									
12:00 noon - 1:00 pm	LUNCH									
1:00 - 5:00 pm										