

Purdue Geotechnical Society Workshop Program

Friday April 27, 2018

Burton D. Morgan Center for Entrepreneurship, Purdue University, 1201 W. State Street, West Lafayette, IN

Theme: *Urban Geotechnics*

- 7:30 a.m. Breakfast: coffee, juice, rolls, fruit
- 8:00 a.m. **Opening of Workshop** - Philippe Bourdeau, Purdue University
Welcome Address

MORNING SESSION

- 8:15 a.m. **Keynote Lecture: THE ROLE OF SOIL BEHAVIOR IN THE PERFORMANCE OF URBAN INFRASTRUCTURE**
Juan M. Pestana, Geosyntec Consultants
- 9:00 a.m. [USE OF SOIL MIXING AND MICROPILES FOR LOW HEADROOM EARTH RETENTION](#)
Justin Lewis, Hayward Baker Inc.
- 9:20 a.m. [GEOTECHNICAL CHALLENGES IN URBAN FLOOD PROTECTION PROJECTS](#)
Terry M. Sullivan, U.S. Army Corps of Engineers, Risk Management Center
- 9:40 a.m. [DEEP EXCAVATION ON 3 SIDES OF A 21 STORY BUILDING: ACCOUNT OF A SUCCESSFUL PROJECT](#)
Mohammadhasan Sasar, Purdue University
- 10:00 a.m. **BREAK**
- 10:30 a.m. **GOWANUS FACILITIES UPGRADE, BROOKLYN, NY**
Rick Deschamps, Nicholson Construction Company & Arthur (A.J.) McGinn, Brierley Associates, LLC
- 10:50 a.m. [URBAN GEOTECHNICS – GEOTECHNICAL ENGINEERS PROVIDING ADDED VALUE](#)
Robert C. Rabeler, SME
- 11:10 a.m. **SAN FRANCISCO INTERNATIONAL AIRPORT TERMINAL 1 EXPANSION - EXCAVATION SUPPORT DESIGN AND CONSTRUCTION**
Doug Jenevein, Schnabel Foundation Company & Arthur (A.J.) McGinn, Brierley Associates, LLC
- 11:45 a.m. **Group Photo**
- 12:00 p.m. **Lunch** - MRGN 102, Morgan Center

AFTERNOON SESSION

- 1:20 p.m. [Keynote Lecture: THE BIG DIG AND BEYOND – LEARNING FROM YESTERDAY'S ADVENTURES](#)
James Lambrechts, Wentworth Institute of Technology
- 2:05 p.m. **NON-DESTRUCTIVE EVALUATION OF ANNULUS BACKFILL GROUT BEHIND PRE-CAST SEGMENTAL TUNNEL LINERS**
Ahmadreza (Reza) Hedayat, Colorado School of Mines
- 2:25 p.m. **UNDRAINED SEISMIC RESPONSE OF UNDERGROUND STRUCTURES**
Eimar Sandoval, Purdue University
- 2:45 p.m. **BREAK**
- 3:15 p.m. **DUGWAY WEST INTERCEPTOR RELIEF SEWER: CURVED MICROTUNNEL BETWEEN PM-13 AND PM-16**
Scott Ludlow & Kyle Ludlow, S.J. Ludlow Consulting engineers, Inc.
- 3:35 p.m. **BLASTING INDUCED STRESSES ON AN EXISTING BRICK SEWER**
Linna Duan & Yazen Khasawneh, NTH Consultants, Ltd.
- 3:55 p.m. **TRIBULATIONS OF A GEOTECHNICAL ENGINEER ABROAD - CHIRIQUI, PANAMA**
David Espinoza, Geosyntec Consultants
- 4:15 p.m. **WORKSHOP CLOSURE**