

# Purdue Geotechnical Society Workshop Program

Friday April 15, 2016

Rooms STEW 278-279, Stewart Center, 128 Memorial Mall, Purdue University, West Lafayette, Indiana

**Theme: *Learning from Successes & Failures in Geotechnical Engineering***

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

## MORNING SESSION

Moderator: *Vincent Drnevich, Purdue University*; Coordinators: *Rodrigo Borela V. & Ganesh Vairavan, Purdue University*

- 8:15 a.m. **Keynote:**  
**INTERSTATE-69 OVER BLACK ANKLE CREEK VALLEY: GEOTECHNICAL ANALYSES, DESIGN AND CONSTRUCTION OF EMBANKMENTS OVER SOFT FOUNDATION SOILS**  
*Thomas Struewing, ATC Group Services LLC*
- 9:00 a.m. **THE EVALUATION OF OHIO RIVER LEVEE PERFORMANCE UNDER FLOOD LOADING CONDITIONS**  
*John Mundell, Mundell & Associates, Inc.*
- 9:20 a.m. **SINKING A CAISSON**  
*Scott Ludlow, S.J. Ludlow Consulting Engineers, Inc.*
- 9:40 a.m. **DISTRESS OF A LARGE DIAMETER REINFORCED CONCRETE CAISSON**  
*Yazen Khasawneh, Geosyntec Consultants*
- 10:00 a.m. **BREAK**
- 10:30 a.m. **EFFICIENCY OF THE DRAINAGE GALLERY IN STABILIZING THE LA FRASSE LANDSLIDE, SWITZERLAND**  
*Lyesse Laloui, Swiss Federal Institute of Technology, Lausanne (EPFL)*
- 10:50 a.m. **MONITORING DAMAGE EVOLUTION IN ROCK UNDER COMPRESSIVE LOADING USING ELASTIC WAVES**  
*Anahita Modiriasari, Purdue University*
- 11:10 a.m. **CASTLE VILLAGE DRYSTONE RETAINING WALL: WALL FAILURE, RECONSTRUCTION AND MAINTENANCE**  
*Lucy Jen, Consulting Engineer*
- 11:30 a.m. **ADJOURN**
- 11:35 a.m. **GROUP PHOTO ON PMU STEPS**
- 11:50 a.m. **LUNCH** – Room STEW 206, Stewart Center

## AFTERNOON SESSION

Moderator: *John A. Mundell, Mundell & Associates, Inc.*; Coordinators: *Amy Getchell & Fei Tao, Purdue University*

- 1:00 p.m. **Keynote:**  
**THE ROLE OF REMOTE SENSING IN POST-FAILURE RECONNAISSANCE**  
*Ellen Rathje, University of Texas at Austin*
- 1:45 p.m. **DATA MANAGEMENT, ANALYSIS AND VISUALISATION ON CROSSRAIL TUNNELS IN LONDON, U. K.**  
*Paul Thurlow, Getec UK*
- 2:05 p.m. **UNDERGRADUATE APPLICATIONS OF LEONARDS' METHODOLOGY FOR INVESTIGATING FAILURES**  
*Kevin Sutterer, Rose-Hulman Institute of Technology*
- 2:25 p.m. **BREAK**
- 2:55 p.m. **EVAPORATION POND FOUNDATION FAILURE: FORENSIC ANALYSIS**  
*David Espinoza, Geosyntec Consultants*
- 3:15 p.m. **PROBLEM RECOGNITION – GEOTECHNICAL ENGINEERING: LESSONS LEARNED**  
*Robert Rabeler, SME USA*
- 3:35 p.m. **WIDELY SPACED SHEAR WALLS STABILIZE LANDSLIDE TO PROTECT TRUNK HIGHWAY, CROOKSTON MN**  
*Rick Deschamps, Nicholson Construction Company*
- 4:00 p.m. **WORKSHOP CLOSURE**