

Purdue Geotechnical Society Workshop Program

Tuesday, May 11, 2004

Theme: Design and Practice

8:00 AM Meet at the Bowen Laboratory - Complimentary coffee, muffins, bagels and danishes

Moderator for morning sessions: Dr. Philippe Bourdeau

8:30 AM Session 1

Some Observations on the Performance of Earth Retention Systems

Dr. Scott Ludlow, P.E., Earth Exploration, Inc., Indianapolis, IN

8:45 AM Session 2

Design of Geotextile Filters for Drainage

Sang-Ho Lee, Purdue University, W. Lafayette, IN

9:30 AM Break

10:00 AM Session 3

Characterization of Fresh and Landfilled CKD for Utilization in Construction Applications

Asha Sreekrishnavilasam and Dr. Marika Santagata, Purdue University, W. Lafayette, IN

10:45 AM Session 4

A Better Way for Lab Compaction of Granular Soils

Adam Prochaska and Dr. Vincent P. Drnevich, P.E., Purdue University, W. Lafayette, IN

11:30 AM Lunch and Poster Display (Second Floor, Bowen Lab)

Moderator for afternoon sessions: Dr. Rodrigo Salgado, P.E.

1:00 PM Session 5

Large Diameter Drilled Shaft Construction on Lake Cumberland

Darrin Beckett, P.E., Kentucky Dept. of Highways, Div. of Materials, Frankfort, KY

1:45 PM Session 6

Foundation Issues in the Brush Creek Dam Project in an Epikarst Area of Indiana

Dale A. Gick, P.E., Section Head, and David P. Nance, P.G., Engineering Geologist
Indiana Dept. of Natural Resources, Division of Water, Indianapolis, IN

2:30 PM *Tour of Bowen Lab* guided by Dr. Michael Kreger, Dir. Bowen Lab

Introduction of the Second G.A. Leonards Lecturer: Vincent P. Drnevich

3:30 PM **Second G.A. Leonards Lecture**

Observations on the performance of some dams on karst foundations

Victor Milligan, Consultant, Golder & Associates, Ontario, Canada

6:30 PM Reception, East Faculty Lounge, Purdue Memorial Union

7:00 PM Dinner, West Faculty Lounge, Purdue Memorial Union

Only seconds behind Roger Bannister - What it was like in the historic race 50 years ago

Victor Milligan, Ontario, Canada

Purdue Geotechnical Society Workshop Program

Wednesday, May 12, 2004 Theme: Emerging Technologies

8:00 AM Meet at the Bowen Laboratory - Complimentary coffee, muffins, bagels, and danishes

Moderator for morning sessions: Dr. Monica Prezzi

8:30 AM Session 1

Time Domain Reflectometry for Water Content and Dry Density

Dr. Xiong Yu, Ph.D. and Dr. Vincent P. Drnevich, P.E., Purdue University, W. Lafayette, IN

9:15 AM Session 2

Shear Wave Velocities for Soil Profiles - Measurements and Estimation from Boring Logs

Dr. Jennifer Haase and Dr. Robert Nowack, Earth & Atmos. Sci., Purdue, W. Lafayette, IN
John R. Hill, Assoc. Dir. & Geologist, Indiana Geologic Survey, Bloomington, IN,
Alison Hunyar, H.C. Nutting, Cincinnati, OH, **Chihyun Park,** and **Dr. Vincent P. Drnevich,**
P.E., Purdue University, W. Lafayette, IN

10:00 AM Session 3

Soil Treatment with a Thixotropic Fluid: An Autoadaptive Design for Liquefaction Prevention

Dr. Marika Santagata, Dr. Antonio Bobet, Purdue University, W. Lafayette, IN
V. (Michael) Haldavnekar, Ardaman & Associate, Orlando, FL

10:45 AM Program Ends

The Purdue Geotechnical Society gratefully acknowledges the financial assistance from:

ATC Associates, Inc., Indianapolis, IN
BBCM Engineering, Inc., Dublin, OH
Earth Exploration, Inc., Indianapolis, IN
Golder Associates Inc., Atlanta, GA

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Joan O'Brien, Sang-Ho Lee, Adam Prochaska, Asha Sreekrishnavilasam, and Xiong Yu

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The Purdue Geotechnical Society

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<http://bridge.ecn.purdue.edu/~pgs/>