

## An Intensive Two-Day Workshop

- Lectures and Workshops
- Exercises
- Computer Sessions

Collaboration with:



# Managing the Complexities and Uncertainties of Soil Sequences

## For Hydrogeological and Geotechnical Investigations – Part 1, Principles

Date:

**Sept 12 & 13, 2017**

Location:

**Exton, Pennsylvania**

*Bentley Corporate Headquarters*

Instructors:

**Martin Helmke, PhD, PG**

*West Chester University*

**Tim Kemmis, PhD, PG**

*Midwest GeoSciences Group*

**David Hart, PhD, PG**

*Wisconsin Geological and Natural History Survey*

**Katie Aguilar, PE**

*Bentley Systems, Inc.*

Continuing Education:

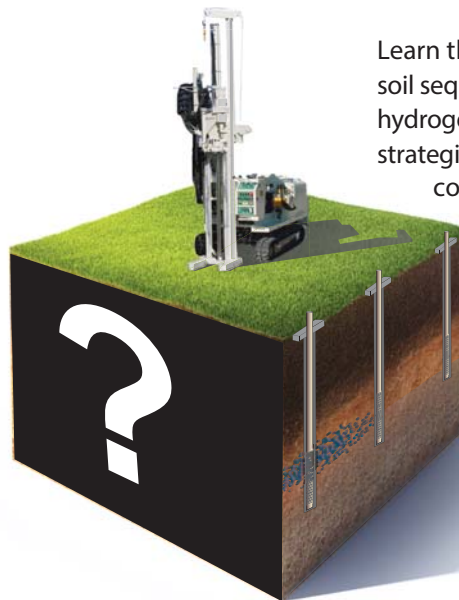
**16.0 Contact Hours**  
(1.6 CEUs)

CEU Certificate Administered by



CEU Pre-Approved by:

- Connecticut Licensed Environmental Professionals
- Massachusetts Licensed Site Professionals
- Delaware Professional Geologists
- South Carolina Professional Geologists
- New Jersey Licensed Site Remediation Professionals



Learn the principles for unraveling the complexities of soil sequences that often lead to uncertainty during hydrogeologic and geotechnical investigations. Learn strategies how to manage complex soil sequences comprised of sediments, saprolite, alluvium, glacial deposits, and coastal plain sediments.

This is the only course that teaches the principles of how depositional environments and weathering zones play a role in hydrogeologic and geotechnical investigations.

Reap the benefits from workshops that will help you identify unanticipated site conditions that can wreak havoc during drilling and sampling programs.

Test your skills during workshops designed to help you understand how different geologic settings control ground water movement and engineering properties. Discover new data management efficiencies during gINT computer sessions to present reliable hydrogeologic and geotechnical results.

**Get more from your existing borings instead of always wanting more.**

### Workshops featuring:

- Going Beyond Soil Classification
- Measuring Aquitard Integrity
- Diagnostic Plots of Hydraulic Head Profiles
- Recognizing Soil Origins
- Strategies for Managing Unanticipated Site Conditions
- Taking the Mystery Out of Sedimentary Heterogeneities & Uniformities

### Computer Sessions featuring:



### REGISTRATION

Managing Complexities and Uncertainties  
of Soil Sequences for Hydrogeologic and Geotechnical  
Projects: Part 1, Principles  
Sept 12 & 13, 2017

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

### Course Fee:

PCPG Early Reg. .... \$498.00

Non-PCPG Early Reg. .... \$598.00

Late Registration .... \$980.00

### Optional Extras:

USCS / USDA Soil Kit ..... \$189.00

Color Notebook Upgrade... \$89.00

Total:

Check Enclosed

VISA  MasterCard

VISA / MC NUMBER EXP

CARDHOLDER NAME

Purchase Order

**Mail completed form with payment to:**

Midwest GeoSciences Group  
1950 Greyhound Pass, Suite 18-200  
Carmel, IN 46033-7630

\*For early registration, payment must be received before August 31, 2017. Cancellations may be made up to September 6, 2017, however 50% of the fee will be charged. Soil kits delivered at the course. No refunds after Sept 6, 2017. Call Customer Service at 763.607.0092 or email [service@midwestgeo.com](mailto:service@midwestgeo.com). Call for Govt discount instructions. Terms and Conditions online. Register at [midwestgeo.com](http://midwestgeo.com)