

2017 ASCE Mohawk-Hudson Section - Capital Region Geotechnical Symposium

Rensselaer Polytechnic Institute, Troy, NY

November 17th (7:30 AM to 6 PM)



Symposium Agenda

- 7:30 – 8:00 **Check-in & Breakfast** (sponsored by *Hayward Baker*)
- 8:00 – 8:15 **Opening Remarks**
- 8:15 – 9:15 **UPSTATE NY ROCKS: Two That You Should Know**
Jim Stewart, Ph.D., P.E., John P. Stopen Engineering, LLP
- 9:15 – 10:15 **A Study of Test Methods for Characterizing the Corrosion Potential of Earthen Materials**
Kenneth Fishman, Ph.D., P.E., McMahon & Mann Consulting Engineers, P.C.
- 10:15 – 10:30 **Break** (sponsored by *Tectonic*)
- 10:30 – 11:30 **Augercast Piles, State of Practice and Applications**
Daniel Matus, P.E., Hayward Baker
- 11:30 – 12:30 **Varved Clays, Geotechnical Design and Construction Considerations**
Marco D. Boscardin, Ph.D., P.E., D.GE, Boscardin Consulting Engineers Inc.
- 12:30 – 1:15 **Lunch** (sponsored by *Dente Engineering*)
- 1:15 – 2:15 **Climate Change: Impacts and Challenges for Geotechnical Engineers**
Patricia J. Culligan, Ph.D., CEng., Columbia University
- 2:15 – 2:30 **Break** (sponsored by *Brierley Associates*)
- 2:30 – 3:30 **Two MSE Wall Failures: Investigations and Repairs**
Matthew Barendse, P.E., NYSDOT
- 3:30 – 4:30 **Ground Improvement from New Zealand to Tappan Zee**
Kord Wissman, Ph.D., P.E., D.GE, TENSAR
- 4:30 – 4:45 **Closing Remarks**
- 4:45 – 6:00 **Reception** (sponsored by *Schnabel Foundation*)



Featured Speaker:

**Patricia J. Culligan, Ph.D., CEng.,
Columbia University**

At Columbia University, where she serves as the Founding Associate Director of Columbia University's Data Science Institute and the Co-Director of the Earth Institute's Urban Design Lab,

Dr. Culligan's expertise lies in the field of geo-environmental engineering, with an emphasis on water resource management and issues related to urban and environmental sustainability.

Her research group is currently active in investigating the opportunities for green infrastructure, social networks and advanced measurement & sensing technologies to improve the management of urban water, energy, and eco-system services in the face of climate change.

She has received numerous research and teaching awards for her academic contributions, including the National Science Foundation's CAREER AWARD and Columbia University's Presidential Teaching Award. She has also served on the Board of Governors of the Geo-Institute and the National Academies Nuclear and Radiation Studies Board, and has chaired the National Academies Committee on Geological and Geotechnical Engineering. She is the author or co-author of more than 150 technical articles.

Professor Culligan received her MS from Leeds University, England and her MPhil and PhD from Cambridge University, England. She also holds a degree in *Languages, Literature and Civilization* from Université d'Aix-Marseille, France.

Bio source: 15th Gerald A. Leonards Lecture announcement, April 21, 2017

Registration: Registration is limited to 90 and will be on a first-come, first-served basis, and includes admission to all symposium presentations, breakfast, breaks, lunch and the optional evening reception. Register **by November 14th**.

Either mail the registration form and payment (by check) or register by **clicking on the link in the email you received with this flyer**.

Payment: Payment made on the **website is by credit card**, serviced by PayPal™ (a PayPal™ account is not required).

Payment made by mail or on the day of the symposium **must be by check only** (cash or credit card not accepted the day of the event). Make checks payable to: **ASCE Mohawk-Hudson Section**. Write attendee(s) name on the check.

Continuing Education: Approved New York State Professional Development Hours (PDH) are being sought for each presentation through ACEC. Each presentation will be worth 1 PDH, and attendance at each presentation is mandatory to receive the PDH certificate. A total of 7 PDH credits may be obtained at this symposium.

Location: The symposium is being held in the Russell Sage Dining Hall (upper floor) at the Rensselaer Polytechnic Institute, 110 Eighth Street, Troy, NY.

Parking: You will be **emailed** a parking pass, the parking lot designated for our use by Campus Safety and a campus map of RPI after receipt of your registration (note there may be a several day delay as this is not done automatically). There will be signs posted at walkways directing you to the Russell Sage Dining Hall (*please bring the map to assist you*).

Limited parking may be available on the streets; however, many streets have meter parking with a 2 hour limit that you will be required to pay yourself.

Symposium Sponsors



Please register by November 14th.

Registrant Information (please write clearly):

Name: _____

Company: _____

Address: _____

Phone: _____

Email: _____

Registration Fee (check one of five boxes):

- ☐ ASCE Members \$110
☐ Non-Members \$125
☐ Government Agency Employees \$50
☐ Retirees \$25
☐ Students Free

Optional Scholarship Donation (\$20 suggested) .. _____

Total..... _____

(Make checks payable to **ASCE Mohawk-Hudson Section**)

Mail Registration Form and Payment to:

Gary Dale
16 Chapman St
Ballston Spa, NY 12020

or email to daleg1973@gmail.com

Please contact the symposium coordinators with questions:

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