



**GEO-
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**Delaware Valley
Chapter**

DELAWARE VALLEY GEO-INSTITUTE

DVGI April 2023

Volume 23 Issue 4

Inside this issue:

April 2023	1
March 2023	2-3
Announcements	4-11
Corporate Sponsors	12-14
Universities	15

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April 2023 ASCE-DVGI Multi-Technical Meeting

SPEAKER: John Volk, P.E., Vice President/Principal Engineer - AECOM

TOPIC: Mid-Barataria Sediment Diversion in Plaquemines Parish

DATE: Thursday April 13, 2023 – 5:30 PM to 8:30 PM

WHERE: The Inn at Villanova, 601 county Line Rd, Radnor, PA19087

COST: \$50 AECS Members, \$60 Non-Member, \$20 Government/Student

April ASCE/DVGI Joint Meeting 2023

MEETING ABSTRACT:

The Coastal Protection and Restoration Authority (CPRA) has located the Mid-Barataria Sediment Diversion (MBSD) on the West Bank of the Mississippi River in Plaquemines Parish, Louisiana, at River Mile 61, near the Town of Ironton. The upstream portion of the MBSD intersects the Mississippi River Levee and the downstream portion intersects the existing and proposed NOV-NF-05a.1 levees.

The \$1.5B MBSD project will reconnect the River to the Barataria Basin, delivering sediment to rebuild the delta marshes with the ultimate goal of improving coastal protection against the effects of sea level rise, subsidence, and storm events.

ABOUT THE SPEAKER:

John C. Volk, P.E., is a Vice President/ Principal Geotechnical Engineer with AECOM in Philadelphia, Pennsylvania. Mr. Volk received B.S. and M.S. degrees in Civil Engineering from the University of Delaware. He has 36 years of geotechnical engineering experience which includes numerous projects in the Pennsylvania, New Jersey, Delaware and New York area involving geotechnical investigation, analyses and design of building foundations, retaining walls, highways, levees, landfills, and industrial facilities.

Mr. Volk has considerable experience in soft ground engineering with projects including: Atlantic City/ Brigantine Connector in New Jersey, I-15 Highway Reconstruction in Salt Lake City, Utah (\$1.6B design-build project), Woodrow Wilson Bridge Project (\$2.5B project), and New Orleans Levee Reconstruction. Mr. Volk also has significant experience in landslide stabilization, instrumentation, and soil-structure interaction.

Mr. Volk works regionally and nationally, is registered in 15 states and helps coordinate the North American Geotechnical Practice. Mr. Volk has worked in Louisiana since 2006.

Please register online by copying address below by April 6, 2023 :

[https://events.r20.constantcontact.com/register/eventReg?
oeidk=a07ejor98c94b2c9b98&oseq=&c=&ch=](https://events.r20.constantcontact.com/register/eventReg?oeidk=a07ejor98c94b2c9b98&oseq=&c=&ch=)



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March Student Night 2023

Keynote Speaker : Jennifer Peirce Brandt, P.E.
2022 ASCE Philadelphia Section - Geotechnical Engineer of the Year

STUDENT SPEAKERS:

- **Rui Liu**, Rowan University, "Relating electrical resistivity to soil properties and freeze-thaw potential"
- **Siamak Yoosefi Sigari**, University of Delaware, "Effect of salt content on volume change behavior of clays"
- **Hayley McKeever**, Drexel University, "Geosynthetics for Rail Industry"



From left to right: Jennifer Peirce Brandt, P.E. Siamak Yoosefi Sigari, Hayley McKeever, Rui Liu, and James Beideman, P.E.



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March Student Night 2023



Over 70 attendants at the Student Night



Three of the recipients of the DVGI Scholarship Award



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****DVGI PROJECT OF THE YEAR****

4th Annual DVGI Geotechnical Project of the Year Competition

Submissions to be accepted through **May 1, 2023**

Project of the Year to be selected in May 2023

Projects to be featured in DVGI Newsletters!

Please submit applications to Theresa Loux at tloux@aeroaggregates.com

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****DVGI SCHOLARSHIP WINNERS****

Congratulations to the following scholarship winners for 2022-2023

Scholarship Winners:

Gwen Clark, Temple University - \$1500

Anupam Bhattarai, Villanova University - \$1500

Katherine Weimann, Lehigh University - \$1000

Thomas Mayer, Villanova University - \$1000

Andrew Kline, Villanova University - \$1000

ANNUAL DVGI GOLF OUTING JUNE 2023

More Details to follow!

Contact Lei Gu at lgu@gfnet.com for sponsorship details.



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2022 Landreth Steward of the Environment Award

Winner 2022: Theresa Andrejack Loux, Ph.D., P.E.,



Geosynthetic Institute

The Geosynthetics Institute (GSI) provide this award to recognize “distinguished engineering achievement related to the environment.” We are proud to announce our own board member at DVGI as the 2022 winner: Theresa Andrejack Loux, Ph.D., P.E.

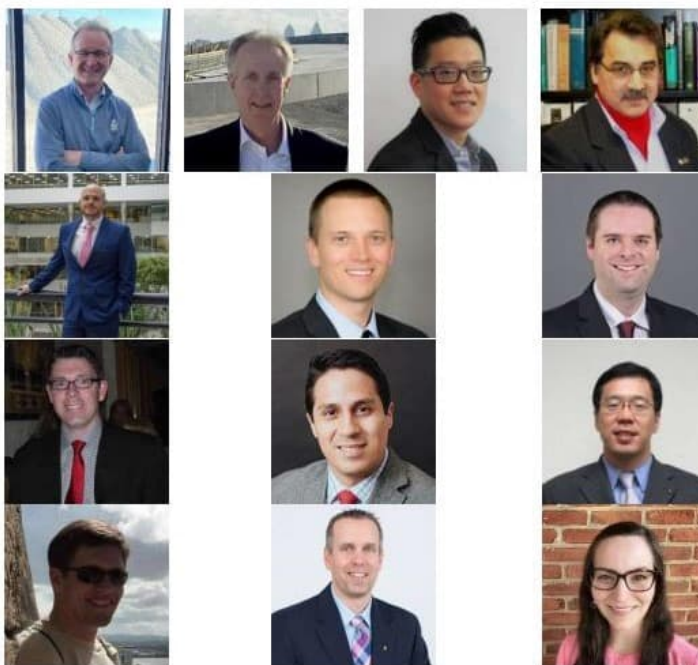
Congratulations, Theresa!



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Geosynthetic Institute

GSI RECORDED WEBINARS

- Topics, and Registration at www.geosynthetic-institute.org/webinar.htm
 - Each Webinar Carries 1.5 Professional Development Hours
Upon Completion of a 10-Question Multiple Choice Test
 - Each presentation lasts approximately 90 minutes

**ALL WEBINARS WILL BE RECORDED AND CAN BE PURCHASED FOR VIEWING AT
YOUR CONVENIENCE**

GSI/GMA Members \$200.00 USD per each Webinar
Non GSI/GMA Members \$250.00 USD per each Webinar

ASCE/G-I Members:
Read past and present issues of Geo-Strata magazine online at www.asce.org



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Upcoming Dates for 2022-23 Dinner Meetings and events are as follows:

4/13/23 – ASCE Joint Meeting - John C Volk, P.E.

5/16/23 – DFI - Dan Brown Drilled Foundation Construction in the 21st Century, or the Art & Science of Hole Digging

One PDH will be awarded for most meetings that you attend.

If you are interested in presenting at one of our monthly meetings or have ideas about potential speakers, please get in touch with a DVGI board member.

On Director's Cut

Geo-Institute Director Brad Keelor interviews G-I members about anything and everything. You might hear about their favorite geotechnical project, their favorite music, or their favorite pie. In Episode 18 of Season 3, Brad speaks with Theresa Andrejack Loux of Aero Aggregates!

See the video here: <https://youtu.be/Gn-aDAHfCXg>

ASCE/G-I Members:
Read past and present issues of Geo-Strata magazine online at www.asce.org



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Mid-Atlantic East Student Symposium

The student leaders at Temple and Villanova Universities, the host schools for the upcoming Mid-Atlantic East Student Symposium, are currently seeking local volunteers to serve as judges in the various competitions they are hosting. The symposium will be held on April 21st, 22nd, & 23rd, 2023. Of the ASCE Society-Wide competitions, they are going to be hosting the Concrete Canoe Competition, the Innovation Contest, the Sustainable Solutions Competition, and the Student Steel Bridge Competition.

The students are currently in need of a head judge for each of these competitions. The role of the head judge includes some coordination of the specific competition in addition to the standard role of a judge, but the ASCE staff and the student leaders at Temple & Villanova will provide training, support, and the necessary resources to succeed in this position.

If interested in serving as a head judge for any of these competitions, please reach out to the students at midatlanticeastsymposium.2023@gmail.com.



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HAVE DVGI PUBLISH YOUR ARTICLE, ADVERTISEMENT, OR JOB POSTING

- Do you have an interesting article on a project or individual in your organization that you would like to have published in the DVGI newsletter?
- Would you like to get the word out about a job opening, new venture, etc. to our membership via the newsletter?

Please submit your articles or news items for consideration in the next edition of the newsletter or get in touch about our reasonably priced advertising by contacting Neil Scafonas (neil.scafonas@aecom.com).

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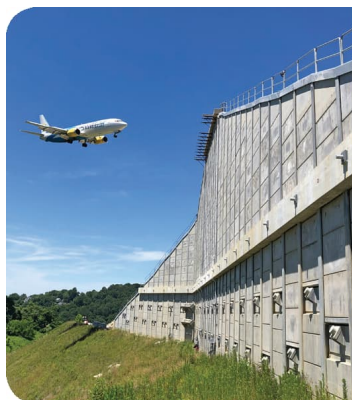
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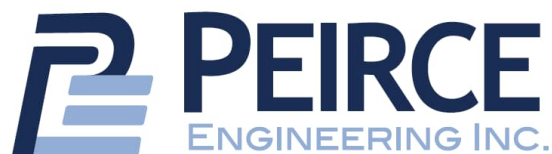
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