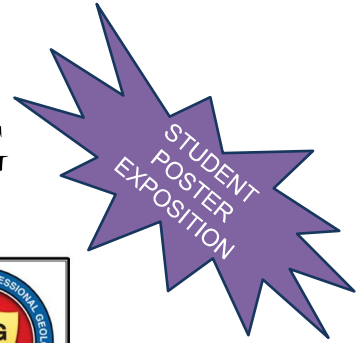




Hudson – Mohawk Professional Geologists Association

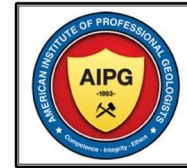
A P R I L M E E T I N G

www.hmpga.net



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With the
**American Institute of Professional
Geologists - Northeast Section**



April 19, 2023

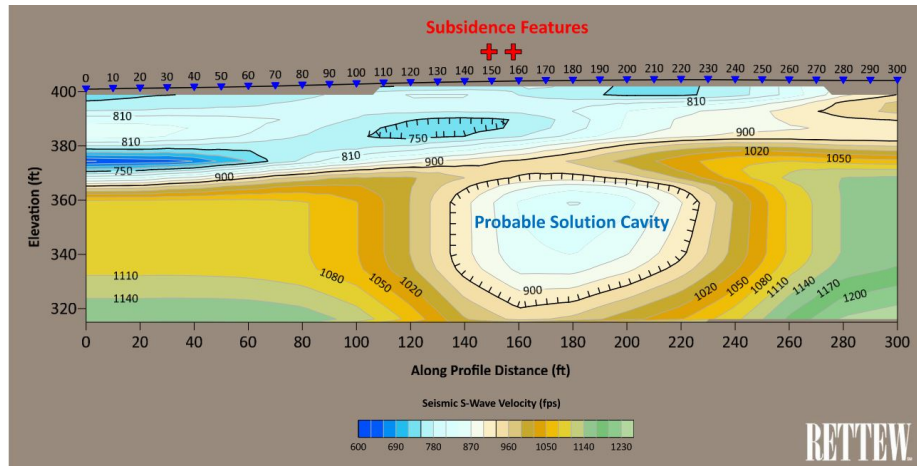
Geophysics and Subsurface Utility Engineering (SUE)

How to Find, Map, and Manage

What You Want to Hit or Miss Before

Digging, Drilling, Or Building

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Speaker: Felicia Bechtel, MSc, PG
RETTEW Field Services, Inc.

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This course is approved for 1 PDH

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Abstract: Geophysics and Subsurface Utility Engineering (SUE) – How to Find, Map, and Manage What You Want to Hit or Miss Before Digging, Drilling, Or Building” will introduce the applied science of geophysics as it relates to the engineering, environmental, and energy markets. Concepts regarding why, when, where, and how to incorporate geophysics into projects will be covered, along with an outline of geophysical techniques and applications. Numerous case histories will be presented to showcase the myriad ways in which geophysics can be cost-effectively applied to project design, development, construction, excavation, or remediation.

A P R I L M E E T I N G



About the Presenter: Felicia Kegel Bechtel is the Senior Geophysical Advisor and Special Projects Lead for the Environmental and Geotechnology Practice at RETTEW Field Services, Inc. Felicia's primary focus is currently on business development and client connection for Geophysics and all of RETTEW. She also provides support, mentorship, and technical proposal preparation and project review for RETTEW's Geophysics Team. In addition, she is the co-chair of RETTEW's Diversity, Equity, and Inclusion (DEI) Team.

Felicia celebrates 30+ years of experience in surface, marine, and borehole geophysics consulting. Her engineering, environmental and archaeological geophysics expertise has been applied to work in the local, state, federal, commercial, and industrial markets.

From 2018 to 2022, Felicia served as RETTEW's Director of Geophysics, which uses seismic, microgravity, electromagnetic, magnetic, borehole logging, resistivity, and ground penetrating radar surveys (among other techniques) applied to dam structural integrity, washout and leak detection, sinkhole and fracture mapping, bedrock depth profiling, tank and drum detection, contaminant plume delineation, seismic site classification, and other engineering- and environmental-related projects. As President of Envirosca, Inc. for 25 years prior to joining RETTEW in 2018, Felicia conducted geophysics technical reviews and managed logistics of projects requiring scheduling and mobilization of multiple field crews using a variety of geophysical equipment systems.

American Institute of Professional Geologists – Northeast Section Field Trip to Palette Stone Quarry 1pm to 3pm

The NEAIPG is hosting a field trip to the Palette Stone Quarry in Saratoga Springs, NY. Space is limited to 20 participants. We will be meeting at the Hannaford Plaza on Trieble Avenue promptly at 1pm and carpooling due to limited parking at the quarry. Please register on-line at www.hmpga.net, if you would like to sign up to attend the field trip. See attached flyer for more information.

You must register for both the dinner and the field trip to attend the two events.

Student Poster Exposition

HMPGA, in collaboration with NEAIPG, is hosting the 5th Student Exposition, after a 3 year hiatus in the annual event. The Exposition is FREE to presenting students and includes dinner. Contact Kelly Weyer (NEAIPG) at kweyer@cg-env.net or Jonathan Dippert (HMPGA) at J.Dippert@ctmale.com if you are interested in presenting a poster. Geosciences faculty members are encouraged to attend this event. See attached flyer for more information.

Reservations are required by Monday April 17, 2023

Whether attending the dinner or only the in-person presentation

Register on-line at www.hmpga.net

Questions? Call or email Jonathan Dippert at (518) 786-7563 • j.dippert@ctmale.com

Cost: Field Trip – FREE (see information above)

\$10.00 for student members*

\$25.00 for dormant geologists

\$30.00 for members

\$35.00 for non-members

In-person program only: Free

+PDH certificate available for: \$5.00 (member w/ dinner) •

\$10.00 (member for program only) • \$20 (non-member)

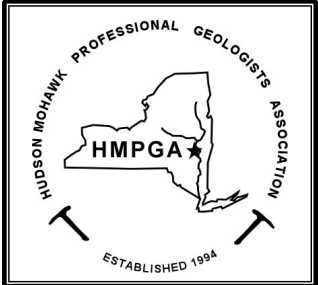
* Student dinner sponsorship available for qualifying students - contact Jonathan Dippert • j.dippert@ctmale.com



Location: Century House
997 New Loudon Road
Latham, NY 12110

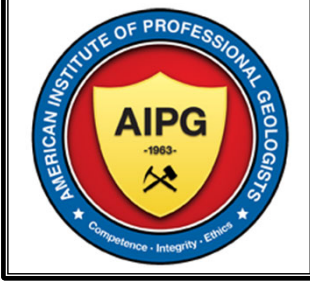
Time: Social Hour/Poster 5:00pm
Dinner 6:00pm
Program 7:00pm

Sponsorship is available for this meeting! Dinner sponsors receive free dinner, a display table set up for the social hour and a 5-minute presentation to the dinner audience, prior to the presentation. Please contact Jonathan Dippert at j.dippert@ctmale.com for more information.



HMPGA & NE-AIPG

STUDENT



EXPO - APRIL 19, 2023

www.hmpga.net / www.ne-aipg.org



CALL FOR STUDENT PRESENTERS **Attention Graduate and Undergraduate Students!**

HMPGA, in collaboration with NEAIPG, is hosting the 5th Student Exposition, after a 3 year hiatus in the annual event.

This is an opportunity for students, in geoscience or related fields, to present their research to their peers and professionals at an open poster session during HMPGA's monthly meeting, in conjunction with NEAIPG's Spring Meeting. Topics of research presented should relate to geophysics, hydrogeology, geochemistry, or other geology or earth & environmental science related sub-fields.

This meeting is intended to bring together professional geologists and students in the geosciences, and is expected to be attended by geologists from academic, government and consulting sectors.

The Exposition is FREE to presenting students and includes dinner.

| | | |
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| Date: <u>Wednesday, April 19th, 2023</u> | | |
| Location: | The Century House 997 New Loudon Road Latham, NY 12110 | Time: |
| | | Poster Session 5:00pm Dinner 6:00pm Presentation 7:00pm |

The evening talk will be presented by Felicia Kegel Bechtel, MSc, PG, RETTEW-Senior Geophysical Advisor and Special Projects, on the topic of "How to use geophysics most effectively when digging or drilling to save time, money, danger, liability, etc., including multiple case histories/fun."

Poster Session Registration:

Current students and recent graduates of winter 2022/2023 are encouraged to present at this open poster session. Contact Kelly Weyer (NEAIPG) at kweyer@cg-env.net or Jonathan Dippert (HMPGA) at J.Dippert@ctmale.com if you are interested in presenting a poster. Geosciences faculty members are encouraged to attend this event.

The Hudson-Mohawk Professional Geologists Association (HMPGA) was established in 1994 to provide an open forum to strengthen and advance the geological sciences. HMPGA fosters the open exchange of ideas and disseminates information regarding the geological sciences to the community. HMPGA is affiliated with the American Institute of Professional Geologists (AIPG) to help facilitate the exchange of information regarding professional activities on a state, regional and national level. Participants in the organization include working professionals from both the private and public sector; educators from colleges, universities, and high schools; and avid enthusiasts.

HMPGA & NE-AIPG

HUDSON MOHAWK PROFESSIONAL GEOLOGISTS ASSOCIATION (HMPGA)

&

NORTHEAST SECTION OF THE AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS (NE-AIPG)



www.ne-aipg.org

NEAIPG & HMPGA

APRIL 19, 2023

~ Field Trip ~



www.hmpga.net

Palette Stone Quarry & Plant

open to 20 participants, must also register for the evening event

Stone, Sand, Asphalt, Concrete, Precast, QCQA Lab

SARATOGA QUARRY & PLANT - 373 Washington Street, Saratoga Springs, NY 12866

- Join NEAIPG and HMPGA for a tour of the Palette Stone Saratoga Quarry & Plant before the evening Meeting and Student Expo at the Century House in Latham NY. The tour will run between 1pm and 3pm.
- Please make reservations online for the main program and this exciting field trip opportunity at HMPGA's website (<https://hmpga.wildapricot.org/page-1498433>) or you may email Kelly Weyer (kweyer@cg-env.net) to register or to request additional information. Reservations are required by close of business on April 17th. Participation for the tour is limited to 20, so register early.
- Parking onsite is limited, so we will meet prior to 1pm, at an offsite location and carpool to the property. We will provide the meeting location to registered participants.

- Palette Stone has a long history in upstate New York as a provider of commercial and residential asphalt, precast, stone and concrete materials. Palette Stone became part of the D.A. Collins Companies in 1970. The Saratoga Quarry & Plant is one Saratoga County's largest aggregate suppliers.
- Palette Stone is focused on product quality, with an in-house QCQA lab and department dedicated to focus on product quality. All products are able to be tested by Palette Stone's geologists and certified technicians before they go out for delivery.
- Palette Stone works with sister companies, such as Jointa Galusha, and their trucking group to deliver and remove heavy rock, asphalt, stone, and sand products for commercial and residential customers.



For additional information - Contact Kelly Weyer (NEAIPG) at kweyer@cg-env.net.

NE - AIPG & HMPGA

HUDSON MOHAWK PROFESSIONAL GEOLOGISTS ASSOCIATION (HMPGA)
&
NORTHEAST SECTION OF THE AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS (NE-AIPG)