

**Felicia Kegel Bechtel,  
RETTEW Field Services**

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**6 September 2023– 7:00 PM - In-Person & Virtual Options Available**

Felicia Kegel Bechtel (RETTEW) will present:

**Geophysics and Subsurface Utility Engineering (SUE) – How to Find, Map, and Manage What You Want to Hit or Miss Before Digging, Drilling, Or Building**

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.

***NYSCPG is currently reviewing an application for this presentation to count for 1 NY PDH towards your NY-PG continuing education requirements***

***BOTH IN-PERSON and VIRTUAL options are available!***

***Virtual registrants will receive Zoom login instructions the morning of 9/6/23 and we look forward to seeing in-person registrants at the Spaghetti Warehouse!***

**Location:** Spaghetti Warehouse, 689 North Clinton Street, Syracuse, New York or ZOOM

**Time:** 5:00–6:00p.m. social hour: 6:00-7:00 p.m. dinner; 7:00 p.m. technical presentation

**RSVP:** <https://cnyapg.org/> or Bonnie (Parratt Wolff) [bolney@pwinc.com](mailto:bolney@pwinc.com) or (315) 437-1429

**Next dinner meeting - October 2023**

# CNYAPG Newsletter

*The CNYAPG Newsletter is a monthly publication of the Central New York Association of Professional Geologists dedicated to sharing upcoming events, delivering regular articles of interest and providing the Membership a forum for discussion.*

*The newsletter is prepared by the Officers and Board of Directors of CNYAPG (listed below).*

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[c.k.prothro@gmail.com](mailto:c.k.prothro@gmail.com)

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**Gerry Gould, Treasurer**  
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**Will Hackett, Secretary**  
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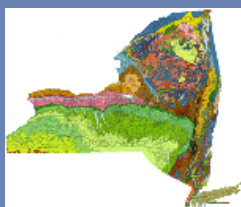
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[William.McCune@arcadis.com](mailto:William.McCune@arcadis.com)

**Lynette Mokry**  
[l.mokry@fpm-remediations.com](mailto:l.mokry@fpm-remediations.com)

**Justin Stroup**  
[justin.stroup@oswego.edu](mailto:justin.stroup@oswego.edu)

**Guy Swenson**  
[Guy.Swenson@ramboll.com](mailto:Guy.Swenson@ramboll.com)

**Keith White**  
[Keith.White@arcadis.com](mailto:Keith.White@arcadis.com)



## President's Message— September 2023

Welcome Back! As President of the Central New York Association of Professional Geologists (CNYAPG), and on behalf of the CNYAPG board of directors, I would like to welcome our returning members, sponsors, newly enrolled members, and supporters to our 2023-2024 season. We all hope you and your families, and loved ones, are safe and healthy and had a great and enjoyable summer. As we had, starting last year, will be having our monthly gatherings on the 1<sup>st</sup> Wednesday of each month, both in-person at Spaghetti Warehouse and virtual via Zoom. CNYAPG has again, thanks to the tireless work of our Vice President, Sean Pepling, has put together a great lineup of great guest speakers for this fall. It is hoped that they will both educate and captivate you.

To start off I just want to say thanks once again to our May guest speaker, Dr. David Finkelstein of Hobert & William Smith College. Thanks for a great talk, Dave. On September 6<sup>th</sup>, CNYAPG will be hosting Felicia Bechtel of RETTEW. Her talk is entitled “How to Find, Map, and Manage What You Want to Hit or Miss Before Digging, Drilling, or Building.” This is a talk I think will be of interest to anyone performing subsurface investigations. In October, we are planning on hosting Dr. David Valentino from SUNY Oswego, who will be speaking on A Neoproterozoic Basin Beneath Ithaca, New York (Question Mark). In November, we are planning to have Dr. Bryce Hand from Syracuse University, who will be speaking on Syracuse Meltwater Channels. Lastly, to ring in the holidays, Dr. Kris Kusnerik from Hamilton College will be making a presentation that will be a surprise.

During this summer of Canadian and Hawaiian wildfires and Northeastern tornados that has reminded all of us that we are in an era of climate change, there were several smaller, less noteworthy events. On May 19<sup>th</sup> there was a 2.2 magnitude earthquake with an epicenter approximately 1.24 miles south-southwest of Hastings-on-the-Hudson, and a hypocenter of 5.5 miles below the surface. A week later, on May 25<sup>th</sup> there was a magnitude 1.4 earthquake with an epicenter less than one mile southwest of Adams Center, New York, and a hypocenter [3.1 miles](#) below the surface. And just this month (on August 15<sup>th</sup>), there has been a magnitude 1.5 earthquake with an epicenter approximately 0.62 miles north-northeast of Depew, New York, with a hypocenter approximately 5.2 miles below the surface. Also, on August 17<sup>th</sup>, a magnitude 1.0 earthquake with an epicenter approximately half a mile Southwest of the town of Meridian, New York, and with a hypocenter of approximately 3.1 miles below the surface. Humm! Could we see a magnitude 5.0 somewhere in the state in the near future? Stay tuned. Also, I hope you all had a chance to see some of the Perseid meteor shower before it ends on September 1<sup>st</sup>.

Some other upcoming events of interest: **Northeast-AIPG will be hosting a quarterly webinar on September 26<sup>th</sup>.** The **webinar** entitled: Tectonic Significance of Structural Analysis and Metabasalt Geochemical Data of Pre-Devonian Rocks in Northern Maine will be presented by Dr. Adam Schoonmaker of Utica University. Please view their webpage at (<https://ne-aipg.org>).

## President's Message (continued...)

On October 6<sup>th</sup>, CNYAPG and NE-AIPG will be hosting A Geology Field Day for students and professionals. There will be field demonstrations and presentations, and PDH credits will be available for those who register to receive them. Please note that space is limited to fifteen individuals per PDH-eligible presentations. I encourage everyone to sign up as soon as possible. If you, your company, or your institution would like to support CNYAPG's Geology Field Day by being a sponsor, please contact myself or one of the other board members. We are also looking for volunteers to help during the event (directing traffic, setting up tables, assisting presenters, etc.). This is going to be so much fun and a terrific opportunity for students to meet future employers in the region, and for employers to get a peek at some of the upcoming local geoscience talent. I hope to see you all there.

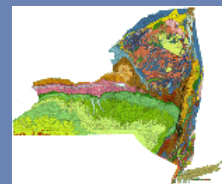
From November 13<sup>th</sup> through 16<sup>th</sup>, the New York State Council of Professional Geologists (NYSCPG) will be hosting its second annual Geology Days Conference in Saratoga Springs. This is going to be a bigger event than last year's with representatives from numerous environmental and geotechnical consulting firms, state and local agencies, college and university geoscience faculty, and vendors and suppliers from across the state. Please visit their webpage at (<https://nyscpgeology.com/Geology-Days-2023>)

Once again, CNYAPG will be supporting Earth Science student research projects with grants from its Earth Science Student Research program fund. CNYAPG's grants assist Earth Science students attending Central New York colleges and universities with their research and help them disseminate their research through conference attendance. We will soon be sending out a call for student proposals to central New York colleges and universities. If you are an educator in higher-ed, keep an eye out for both our email call-out and for those students who are doing research in any of the Earth Sciences. For more information on the grant proposal process, visit the CNYAPG website ([www.cnyapg.org](http://www.cnyapg.org)). Like all educators, encourage your students to push themselves and be more. We look forward to reading those proposals.

Also, just a friendly reminder, CNYAPG exists because of its members and to be of benefit to its members, and the greater Central New York Community. CNYAPG offers its members a venue to interact with other geologists and geoscientists in the area via its monthly meetings and the CNYAPG newsletter. It offers members and the Central New York Community opportunities to learn about the geosciences and the relationship of geosciences to their lives. Membership in CNYAPG gets you reduced rates for the monthly dinner meetings, PDH credits, and CNYAPG special events. More than just monetarily, CNYAPG gives you a voice in Central New York and gives you a community to support you in your career. Membership renewals are due in September. I hope all of you will continue to support CNYAPG by renewing your membership. I also want to take a moment to give a well-deserved shout-out to our current CNYAPG Secretary, Will Hackett, who has done yeoman's work processing the hundreds of PDH credits over the last year. Thanks, Will!

As I have done throughout my last three years as president of CNYAPG, I encourage all of you to both stay safe and to stay involved in the local and

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[www.twitter.com/cnyapg](https://www.twitter.com/cnyapg)



national geosciences community. When possible, participate in local library science events and science fairs (online or in-person) and continue to engage and support our community at any level you are comfortable with. Use social media to post and discuss topics in the geosciences or just post cool images of outcrops or hiking photos. If you have any cool geologic-related summer vacation photos you wish to share, send them to us for future newsletters.

Lastly, as has been my custom, I will conclude this letter with a quote: “Open your eyes to the beauty around you, open your mind to the wonders of life, open your heart to those who love you, and always be true to yourself.” - Maya Angelou.

Let’s get this season rolling!

Calvin K. Prothro; P.G., CPG  
President of CNYAPG



Central New York Association  
of Professional Geologists

**SAVE THE DATE!!!**  
**OCTOBER 6, 2023**  
**GEOLOGY FIELD DAY!!!**



Northeast Section  
AIPG  
AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS



CNYAPG Field Day (Fall 2017)

This coming fall, the Central New York Association of Professional Geologists and the American Institute of Professional Geologists will be hosting a Geology Field day for Students and Professionals. This all day event will have presentations ranging from environmental drilling technology to aerial drone applications in the geosciences to environmental field sampling, and more!

For students there will be hands on activities and the opportunity to meet local geoscience professionals from area employers, and talk to them about career and employment opportunities.

For Professional Geologists, Engineers and Land Surveyors, there will be presentations offering PDH credits.

More information details Coming soon!!!

**Registration will open in early September**

**Cost**

**Early Registration**

CNYAPG / AIPG Members - \$100  
Non-members - \$130  
Students - \$20

**Late Registration**

CNYAPG / AIPG Members - \$120  
Non-members - \$150  
Students - \$25

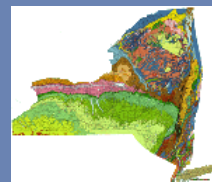
For general questions, please contact us at: [info@cnyapg.org](mailto:info@cnyapg.org)

And visit us at [WWW.CNYAPG.Org](http://WWW.CNYAPG.Org) and join us on Facebook and LinkedIn



CNYAPG Field Day (Fall 2017)

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## Thank you to our Sponsors!

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### Environmental Petrography Services

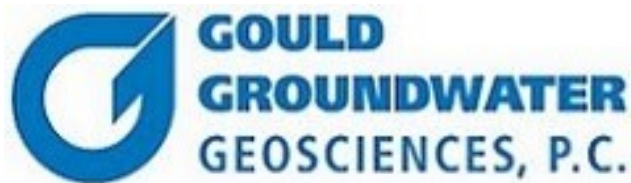
We characterize the mineralogy/chemistry, texture, structure, porosity, and organic matter content of rock, soil, or sediment to assist and enhance environmental investigation

- ❖ Optical Microscopy
- ❖ X-Ray Powder Diffraction
- ❖ Scanning Electron Microscopy
- ❖ Electron Probe Microanalysis
- ❖ Energy and Wavelength Dispersive Spectroscopy

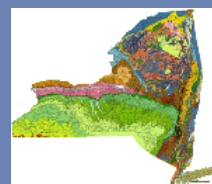
### Geochemistry/Chemical Hydrogeology

We assist with evaluation techniques focused on the chemical properties of water and its interactions with rock, soil, or sediment as a compliment to standard hydrogeology techniques, which typically focus on the physical properties and available quantity of water (i.e., flow paths/flow rates)

- ❖ Water Types/Hydrochemical Facies Evaluation
- ❖ Graphical Data Analysis/Mapping
- ❖ Geochemical Calculations/Modeling
- ❖ Statistical Analysis



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## Upcoming Events

**September 6 2023** 7:00 PM– CNYAPG– Felicia Kegel Bechtel—  
(RETTEW) —Dinner Meeting—[www.cnyapg.org](http://www.cnyapg.org)

**October 4 2023** 7:00 PM– CNYAPG– Dr. David Valentino—(SUNY  
Oswego) —Dinner Meeting—[www.cnyapg.org](http://www.cnyapg.org)

**October 6 2023** – CNYAPG– Field Days!

**November 13-15 2023** 7:00 PM– NYSCPG– Geology Days— [https://  
nyscpge.wildapricot.org/](https://nyscpge.wildapricot.org/)

**A Call for Abstracts!**

For any questions about the event later this year, or about submitting abstracts for presentations, please contact John Nadeau at 518-579-6580 or at [jnadeau@nyscpge.com](mailto:jnadeau@nyscpge.com)  
The New York State Council of Professional Geologists Presents

# **GEOLOGY DAYS CONFERENCE 2023**

**Saratoga Springs, NY  
November 13<sup>th</sup> - 15<sup>th</sup>**

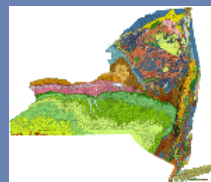
## CNYAPG Governance

### Membership Renewal

CNYAPG's membership period follows the CNYAPG meeting year from September through August. Renewals are due in September. To renew or become a new member, simply complete the membership form, available on our website at [www.cnyapg.org](http://www.cnyapg.org). Membership is only \$25 per year and all money received is used in support of our organization.

Join CNYAPG at our social networking groups on [Facebook](#) and [LinkedIn](#). These sites (always under development) will provide online forums for discussion, as well as another way to inform our members and networking opportunities. For more information about our social media sites e-mail us at [admin@cnyapg.org](mailto:admin@cnyapg.org).

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