

**CNYAPG
December 2019**



**Central New York Association
of Professional Geologists**

**Kyle Makovsky
(Syracuse University)**

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18 December 2019 Meeting

Kyle Makovsky (Syracuse University) will present:

Rockin' the Bakken - Life and times of a Wellsite Geologist in North Dakota

Oil production began in the Williston Basin nearly 70 years ago with discoveries of oil in the Interlake Formation and soon thereafter in the Madison Group (Lodgepole-Mission Canyon-Charles Formations). More recently, production exponentially ramped up after an assessment from the USGS in 2008 estimated there were nearly 3,645 million barrels of recoverable oil contained primarily in the Devonian-Mississippian Bakken Formation. The Bakken Formation is known as an unconventional resource because unlike conventional systems, the Bakken is the source, reservoir, trap, and seal for oil accumulation. This brought the realization that new technologies would need to be developed to economically extract this resource.

Improvements in horizontal drilling allowed for the rapid development of the Bakken Formation. Along with these improvements, the need arose to accurately determine wellbore placement in real-time based on geologic datum. This is primarily achieved through what is colloquially known in the Oil Industry as Geosteering. This method utilizes data derived from the wellbore in real-time while drilling and allows for accurate determinations of wellbore position in 3D space. It also allows geologists to make an interpretation of where the wellbore is located within the formation and the formation inclination (i.e., dip). This information is critical to the correct placement of the wellbore, thereby minimizing drilling and completion costs while ultimately maximizing production. This talk will focus primarily on the basics of drilling, how data is collected, how this data is used to make geologic interpretations, and finally how these interpretations are used to make real-time decisions to efficiently make hole.

Please RSVP by **Friday, December 13^h** to reserve your seat and to help us provide a reliable count to the chef at Spaghetti Warehouse.

Dinner costs for students who RSVP will be offset by sponsorships by **Gould Groundwater Geosciences, P.C., ERM, and Parratt-Wolff.**

Location: Spaghetti Warehouse, 689 North Clinton Street, Syracuse, New York
Time: 5:00 – 6:00p.m. social hour: 6:00-6:30p.m. dinner; 6:45p.m. technical presentation
Cost: Members: \$20 RSVP / \$25 at the door; Non-member \$30 RSVP / \$35 at the door
RSVP: <https://cnyapg.org/> (see page 4 for details) or
Bonnie (Parratt Wolff) bolney@pwinc.com or (315) 437-1429

Next dinner meeting - January 15, 2020

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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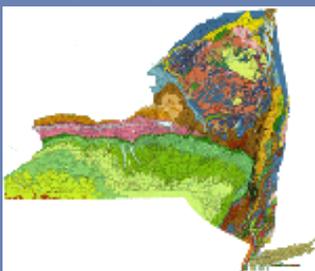
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President's Message December 2019

I'm going to date myself, but when I started my career in hydrogeology we communicated with our clients by letter. We would mail our typed report, typed data tables and hand drafted figures to our clients and then plan to talk to them by phone the following week. That pace of work was dictated by the technology available. Then faxes came around and suddenly we could send some information and draft documents to our clients faster and plan to talk to them later that week. Now we have the internet and can transmit our reports, reams of data, fancy figures to our clients instantly and discuss the information that day. During this progression of communication technology our clients have gone from expecting to receive, review and discuss a report over the course of a couple of weeks to receive, review and discuss in less than a day. (Assumes the client actually makes time to read what we send instead of waiting till the deadline approaches.) Throughout this development of increased speed of communication, groundwater is continuing to move at its slow pace. For most groundwater systems the distance groundwater moves in a week is less than one step we typically take. In other words, the speed at which we share information, communicate, and make decisions is a whole lot faster than is required by the migration of a contaminant plume. Our pace of work has increased because of technology facilitated human needs not the demands of site hydrogeology.

Technology is a wonderful tool that provides us with a lot of investigation, interpretation, and communication capabilities now that we did not have when I started in the business. But it seems like we often fail to remember that technology is a tool for our use not the driver of our behavior. We have technology to record data every second, but does the project objectives require we do so? Technology enables us to have real time communication with the field staff, but does our micromanagement from the office limit the professional growth of the field staff? Cell phone technology alerts us for all emails, calls, etc., but do we really need to respond to the alert at that moment? Technology enables us to create fancy complex figures, but do we need them to communicate with stakeholders? Technology allows us to stay in touch with the office and a project from home or while on vacation, but is this what we really want for our life?

Technology is a valuable tool, but we need to treat it as a tool and not our boss.

Thank you,

Guy Swenson
President, CNYAPG

Upcoming Events of Interest

Date	Organization	Description
December 10	AWMA	Jon Sundquist, PhD, Barton & Loguidice - Emerging Contaminants – PFAS and 1,4-Dioxane Sources, Migration, and Treatment AWMA Breakfast Meeting, Holiday Inn, Liverpool, NY http://www.awma-cny.org/new-events
December 18	CNYAPG	Kyle Makovsky, Syracuse University - "Rockin' the Bakken - Life and times of a Wellsite Geologist in North Dakota" CNYAPG Monthly Meeting, Spaghetti Warehouse, N. Clinton Street, Syracuse, NY www.cnyapg.org
January 7	AWMA	10th Annual Enviro Mixer– Dionsaur BBQ CNYAPG Monthly Meeting, Spaghetti Warehouse, N. Clinton Street, Syracuse, NY http://www.awma-cny.org/new-events
January 15	CNYAPG	CNYAPG Student Scholarship award winners - Titles to be presented in the January newsletter CNYAPG Monthly Meeting, Spaghetti Warehouse, N. Clinton Street, Syracuse, NY www.cnyapg.org

Do you do interesting work?

CNYAPG has begun to build the 2020-2021 speaker program and is actively soliciting members (or external suggestions) who may be interested in presenting at a dinner meeting next season. If interested, please contact Calvin Prothro- prothro@sunyocc.edu

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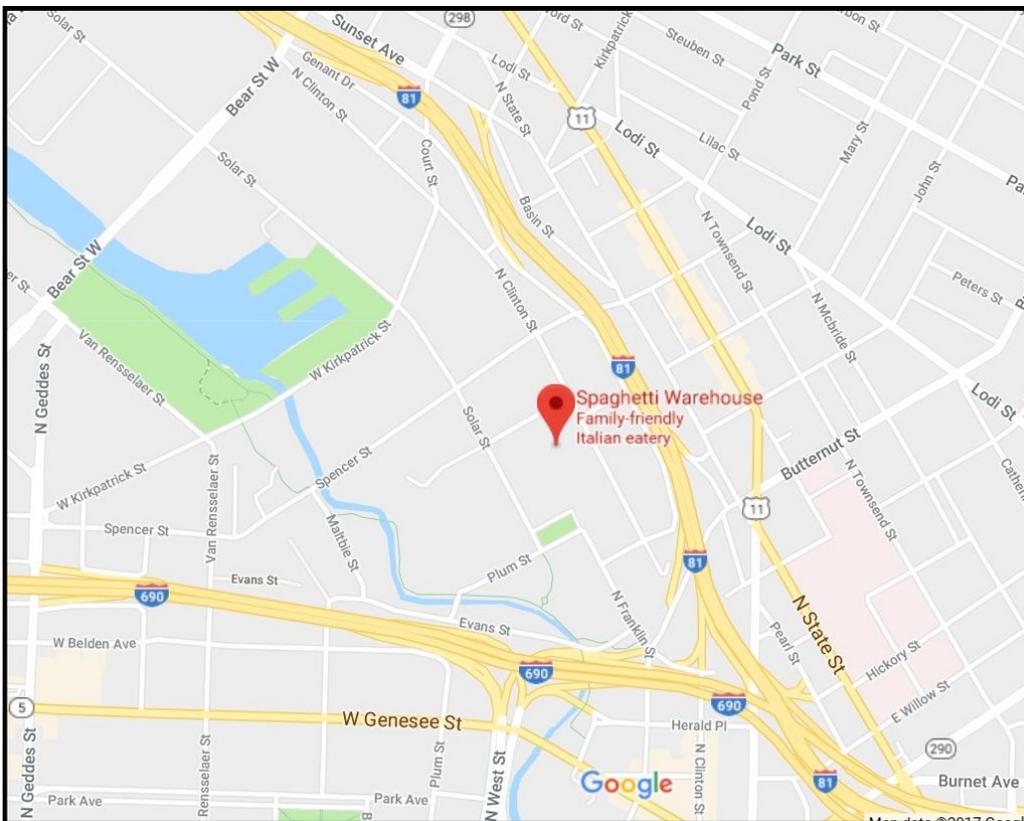


**Online Registration Available
for Dinner Meetings**

Register for the monthly dinner meetings using CNYAPG’s web site. Simply go to <https://cnyapg.org/events> and follow the instructions to register. You will be able to pay for the meeting ahead of time, if you wish. You still have the option of calling or emailing Bonnie to register if you prefer (you only need to register one way or the other).

CNYAPG 2018-2019 Monthly Meetings Fees

	<i>Member</i>	<i>Non-member</i>	<i>Student-Member</i>	<i>Student</i>
Pre-registered	\$20	\$30	\$10	\$15
At the door	\$25	\$35	\$15	\$20



CNYAPG meets the *third Wednesday* of the month from September through May at Spaghetti Warehouse, located at 689 North Clinton Street, Syracuse, New York.

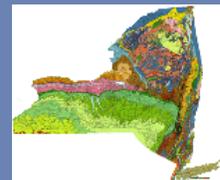
**CNYAPG
Governance**

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. 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.

The CNYAPG was founded in 1993 to strengthen and advance the geological sciences. CNYAPG conducts regular meetings on the third Wednesday of each month from September to May. Meetings feature dinner and distinguished speakers whose presentations invite comment and discussion.



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