



Chapter Historian Richard R. Sanguinito

Twin Ties Chapter # 129

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Delta Engineers, Architects, and Land Surveyors

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CHAPTER TIMELINE 2019-2020

AUGUST 15, 2019 to AUGUST 17, 2019

Region 1 Chapter Regional Conference CRC

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| <ul style="list-style-type: none"> - Jason Gilbert - Kyle Nedlik - Rick Sanguinito - Chris Wolak - Glenn Roberts - Devin Shapley - Petros Papathomopoulos | <ul style="list-style-type: none"> Chapter Delegate 2019 Chapter Student Activities Chair Chapter Delegate Alternate 2019 Chapter President Chapter Historian Chapter Auditing Committee Student Scholarship Chair Chapter Membership Promotion Chair Board of Governors Research Promotion Chair Chapter Technology Transfer Chair Board of Governors Chapter Government Affairs Committee |
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Awards

- Twin Tiers Chapter has maintained it Premier status with Star award and Special Citation
- Michael McGinnis: President Award Of Excellent (PAOE) 2018-2019 - PREMIER Awards
- Petros Papathomopoulos: Websitation of Excellent 2018-2019
- Jason Gilbert Outstanding Student Branch Advisor

SEPTEMBER 17, 2019 CHAPTER MEETING

Social Event Meier Supply Company Distribution Center
 – Refrigeration and DONOR ACKNOWLEDGEMENT

Time 5:15 PM

Location 275 Broome Corporate Parkway Conklin, NY 13748

Activity Facility Tour

Speaker Richard Reichenbach, Regional Manager, Parker Hannifin Corp., Sporlan Valve Division

Description Flame-free fittings are gaining lots of traction in our industry and this presentation will explain why they're doing so and why you may want to specify them on your future pro-jects. If you can guarantee your client a cleaner, faster, and safer install, why wouldn't you? The presentation will also include a demonstration to show how quickly and easily these fittings can be utilized.

Members that attended included the following: Kyle Nedlik, Michael McGinnis, Glenn Roberts, , Andrew Nice, Adam Keller, Jason Gilbert, Devin Shapley, Petros Papathomopoulos, Ibrahima Balde, Anthony Tsui, Chris Hackett, Dana Schmidt, Joe Ohara, Christopher Wolak, Robert VanSkiver, Kyle Nedlik, Matt Hawley, Richard Reichenbach, Chris Zarelli, Matthew Morgan,

OCTOBER 08, 2019 CHAPTER MEETING

Southern Tier Professional Development Symposium

Time 8:00 am

Location Holiday Inn, Binghamton

Activity

8:30 - 9:30

- New York State Bridges: History and Evolution of Engineering, David Kennicutt, P.E. (1.0 PDH)
- Certifications in the Industrial Coating Industry Frank Stento and Marc Braunstein (1.0 PDH)
- Humidification 101, Dave Bennett (1.0 PDH)

9:45 - 10:45

- Sub-surface Investigation, by Brian Barnes, P.E., Atlantic Testing Lab (1.0PDH)
- New York State Energy Market, Joe Fleury, P.E. (1.0 PDH)
- Review of VFD Harmonic Distortion (1.0 PDH)

11:00 - 12:00

- Precast Concrete 101 by Ron Thornton, P.E. and Ralph Verrastro, P.E. (1.0 PDH)
- Fuel Cells and the Future of Distributed Generation, Mike Recher, PE (1.0 PDH)
- Metal Additive Manufacturing, Julius Bonini, P.E. (1.0 PDH)

12:30 - 1:30

- Ethics- Technology and the engineer--the roles of engineers and how they make ethical decision Lori Marra (1.0 PDH)

1:30 - 2:30

- Thermal Performance of Concrete Masonry Wall Systems, Nicholas Carparelli (1.0 PDH)
- Protective Relaying in Power Systems, Joe Fleury, P.E. (1.0 PDH)
- Lubricating Oils- How They Work, What's Next, Neville Sachs, P.E. (1.0 PDH)

2:45 - 4:15

- Engineering a Successful State/Federal Aid Transportation Project, David Kennicutt, P.E. (1.5 PDH)
- Artificial Intelligence (AI): Introduction, Applications and Hardware for Deep Learning, Wilfried Haensch, PhD (1.5 PDH)
- A Holistic Look at Condensing Systems and Optimization Jacob Hall, Pro Air Plus (1.5 PDH)

NOVEMBER 20, 2019 CHAPTER MEETING

Tour Koffman Southern Tier Incubator Building

Time 5:00

Location Koffman Southern Tier Incubator 120 Hawley St, Binghamton, NY 13901

Speaker Eric LePore, P.E..

YEA Networking Event Following Meeting at Galaxy Brewing Co.

Description	Description
	November ASHRAE meeting at the Koffman Southern Tier Incubator. Our group started with a tour of the fourth floor penthouse where Eric described many of the building systems in place, followed by a tour of the basement geothermal system pump room, then Eric LePore and Al Rodgers discussed the design process for the building and some of the challenges, lessons learned, and important advice that they wanted to impart based on their experiences designing the project. A Food and Fire buffet was served for dinner.

Members that attended included the following: Kyle Nedlik, Victoria Kramer, Michael Collins, Christopher Wolak, Andrew Nice, Matt Lloyd, Amanda Pelkey, Scott Burke, Glenn Roberts, Joe Ohara, Rick Breault, Eric LePore, Alyssa Partridge-Fox, Al Rodgers, Ibrahima Balde, Chris Hackett, Vince Knapp, Joe Crozier.

DECEMBER 17, 2019 CHAPTER MEETING

Creating a World of Zero Energy Buildings – HISTORY / PAST PRESIDENT MEETING

Time 5:00

Location Ithaca Marriot on the Commons, 120 S Aurora St., Ithaca, NY 14850

Activity Past Presidents Month, History Month

Speaker Paul Torcellini

Description December ASHRAE meeting. Our ASHRAE DL presenter, Paul Torcellini, has 30 years of experience examining how energy is used in buildings - including delivery mechanisms, design, system integration, and operations. His focus is on creating buildings that have minimal environmental impact because of their operations, including very low energy buildings and zero energy buildings.

The lecture focused on setting energy goals and the technologies that can help achieve Net Zero building. Modeled after the 30% and 50% Advanced Energy Design Guides, the net zero guides focus on the processes and strategies to achieve zero energy buildings at typical construction budgets. The series, published by ASHRAE, was a collaborative effort of AIA, ASHRAE, IES, USGBC, and DOE. The first book in the series was published in January 2018 and focuses on K-12 schools and includes several case studies of schools that meet the zero energy requirements. His presentation provided a sneak preview of what is coming in offices will also be presented.

Members that attended included the following: Kyle Nedlik, Alisa Brown, Richard Mandl, Jonathon Ochshorn, Matt Lloyd, Chris Hackett, Ibrahima Balde, Devin Shapley, Kevin McKeon, Dana Schmidt, Emily Ormsby, Lyne Roglieri, Martin Sweeney, Matthew Decker, Victoria Kramer, Adam Keller, Todd Schmidt, Rick Sanguinito, Joe O'Hara, Glenn Roberts, George Lampila, Chris Balbach, Emmanuel Omere, Kahna, Paul Torcellini, Monica Furch

This month's meeting will also be our chapter's 2019-2020 Past Presidents month, as well as History month.

JANUARY 21, 2020 CHAPTER MEETING

Tour & Presentation - SUNY Broome Calice Advanced Manufacturing Center Tour & Presentation

Time 5:00

Location SUNY Broome, Front Street Binghamton, NY

Activity Tour & Presentation

Speaker Michael Martin, P.E. McFarland Johnson

Description January ASHRAE meeting. Our presenter, Michael Martin has 21 years of experience designing building mechanical systems. Michael graduated from Penn State with a BS in Mechanical Engineering. Mr. Martin was the lead design engineer for the mechanical systems at the Calice Advanced Manufacturing Center.

His ground source heat pump system was instrumental in acquiring several grants for this project to help meet the funding goals.

This month's presentation was an introduction to the design of ground source heat pump systems and this real-world example of this facility that focus on the basics of design, from the heat loop portion to the building equipment.

FEBRUARY 18, 2020 CHAPTER MEETING

Presentation	The Origins of the Lithium-Ion Battery, the Nobel experience and the potential impact of Energy Storage
Time	5:30
Location	Holiday Inn Arena, 2 Hawley Street, Binghamton, NY
Activity	Presentation
Speaker	M. Stanley Whittingham Professor of Chemistry Binghamton University 2019 Nobel Prize Laureate in Chemistry

Description joint meeting with the NYSSPE Broome Chapter, at the 2020 Engineers Week Dinner held at the Holiday Inn Binghamton on Tuesday, February 18th. The Engineers Week Dinner is an event put on annually by Binghamton University and NYSSPE. The event will feature poster presentations by participating organizations, net-working opportunities, an award recipient recognition ceremony, and a keynote presentation by Dr. M. Stanley Whittingham, Distinguished Professor of Chemistry and Material Science at Binghamton University. Dr. Whittingham was awarded the Nobel Prize in Chemistry in 2019 for his research leading to the development of the lithium-ion battery. His presentation at the event will include a segment on the origins of the lithium-ion battery, the Nobel experience, and the potential impact of energy storage on the industry.

Members that attended included the following: Kyle Nedlik, Victoria Kramer, Emily Ormsby, Kevin McKeon, Tim Envid, Jason Gilbert, Gary Hilton, Matt Lloyd

MARCH 2020 CHAPTER MEETING

CANCELED due to New York State Mandate – Shutdown for COVID -19

APRIL 2020 CHAPTER MEETING

CANCELED due to New York State Mandate – Shutdown for COVID -19

MAY 2020 ONLINE PDH SEMINARS

In place of Spring Symposium due to COVID -19

PDH webinar series

4/30 - Pharmacy HVAC Design (USP 795, 797, 800)

5/7 - Considerations for Indoor Agriculture and CEA Spaces

5/14 - AC Drives Basics and Applications

5/21 - IBC Seismic and Wind Load Compliance for Non-Structural Building Components

5/28 - (ASHRAE DL) – HVAC and Airborne Infectious Diseases

JUNE 2020 CHAPTER MEETING

2020 Golf Tournament & Clambake – POSTPONED TO AUGUST

Date August 4, 2020

Time Golf shotgun start at 10:30 AM & Clambake at approx. 4:00 PM

Location The Links at Hiawatha Landing; 2350 Marshland Rd, Apalachin, NY 13732

Activity Golf Tournament & Clambake

Speaker Captain & Crew

Very Respectfully,

Richard Sanguinito

Chapter Historian 2019-2020