



Chapter Historian Richard R. Sanguinito
Twin Ties Chapter # 129

Delta Engineers, Architects, and Land Surveyors
rsanguinito@delta-eas.com

CHAPTER TIMELINE 2023-2024

AUGUST 17, 2023 to AUGUST 19, 2023

**Chapters Regional Conference at Foxwoods Casino
Ledyard, CT.**

Region 1 Chapter Regional Conference CRC

- Victoria Kramer
- Dana Ehrets
- Jason Gilbert
- Richard Sanguinito
- Glenn Roberts

Chapter Delegate
Chapter Alternate
Student Activities
Chapter Historian
Chapter Research Promotion Co-Chair

Twin Tiers Chapter maintains it Premier status



Presidential Award of Excellence,
Special Citation, Star Pin, High Honor Roll and Premier
Victoria Kramer
Research Promotion Award, Mike McGinnis



Gordie Root Historical Award

Rick Sanguinito Chapter Historian



Gold Ribbon for History Award

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Chapter Service Award

Travis Fisher, Adam Keller, Victoria Kramer, Michael McGinnis,
Kyle Nedlik, Devin Shapley, Robert Vanskiver, Christopher Wolak



HISTORY PRESENTATION



SPECIAL HONOR



POAE ACCEPTANCE





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Congrats on earning.

Bronze, High Five and Challenge designation!

Thank you!

Thank you for the Twin Tiers Chapter's efforts in fundraising for ASHRAE RP through the 2022-23 RP Campaign. It was a successful year due to our dedicated RP Chairs!

Congratulations!

Enclosed you will find the following awards:

- Bronze
- Full Circle
- High Five, Challenge

Full Circle Patch/Chevron – all officers gave to achieve Full Circle.

Treasury Ribbons:
Gold Ribbon for \$10,000 or larger chapter investment
Silver Ribbon for \$5,000 to \$9,999 chapter investment
Bronze Ribbon for \$2,500 to \$4,999 chapter investment

High Five – setting a new high in dollars raised by the Chapter in the last 5 yrs
Challenge – matching or exceeding Challenge Goal



CHAPTER TIMELINE 2023-2024

SEPTEMBER 19, 2023 – ASHRAE TWIN TIER SEPTEMBER CHAPTER MEETING

Event	VICTORY BUILDING IN JOHNSON CITY	
Time	5:00 PM	
Location	Victory Building, Johnson City, 59 Lester Ave, Johnson City, NY 13790	
Activity	Tour of the Victory Building in Johnson City, followed by a dinner presentation at Binghamton University, Health Science Building (Johnson City Campus).	
Presenter	George Slavik III, Slavik & Co Inc. will be giving a tour Presentation by Al Daniels, PE, LEED AP, CBCP, CPD, Principal at IPD	
Description	Join us for our first 2023-2024 Meeting on Tuesday, September 19th with a tour of the Victory Building in Johnson City, followed by a dinner presentation at Binghamton University, Health Science Building (Johnson City Campus).	
Menu:	Dinner Buffet Options: - o Caesar salad with homemade croutons - o Tofu Pad Thai - o Sautéed Chicken Marsala - o Oven Roast Herbed Red Potatoes - o Balsamic Herb Roasted Vegetables - o Assorted Cookies & Brownies - o Unsweetened Ice Tea, Coffee, Hot Tea	
Agenda:	5:15 - 5:30 - Registration & Check-In - Victory Building 5:30 - 6:30 - Building Tour - Victory Building 6:30-7:00- Time reserved to relocate to Dinner location (BU Health Science Building) and re-group 7:00 - 8:00 - Dinner, Chapter Announcements & Project Presentation - HS HSB 301	



Attendees: 28 were in attendance for the event Ibrahima Balde, Al Daniels, Chris Devins, Dana Ehrets, Dom Costantino, Matthew A Hawley, Makayla Jackson, Adam James Keller, Victoria Ann Kramer, Alison Kran, Nate Kurash, David Lewis, Kevin Dennis McKeon, James Melfi, Kyle Nedlik, Benedict S Nemec, Andrew D Nice, Joseph D O'Hara, Alex Steinbronner, Ryan Rienhardt, Glenn P Roberts, Richard R Sanguinito, Frederick C Allabaugh, Jr, Daniel Wenzel, Daniel Volpe, George Slavik III, Andrew T Taranto, Robert J Vanskiver



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CHAPTER TIMELINE 2023-2024

OCTOBER 17, 2023 – ASHRAE TWIN TIER OCTOBER CHAPTER MEETING

Event	Virtual presentation for 1 PDH VAV applications
Time	12:00 PM
Location	Virtual- Link
Activity	Sizing Single Duct and Fan Powered Terminals for VAV Applications 1 PDH Credit Available!!
Presenter	Braydon Whittington, B.Sc. Mechanical Engineering at Price Industries • Project Engineering Team Lead – Air Moving Products • 7 years at Price Industries in R&D, Product Design, and Application Engineering • Focus on Terminals, Fan Coils, Blower Coils, Valve Packages, and Fan Powered DOAS Evan Crawley, M.E.T at Price Industries • Project Engineering Specialist – Air Moving Products • 1.5 Years at Price Industries in Application Engineering • Focus on Terminals, Fan Coils, Blower Coils, Valve Packages, and Fan Powered DOAS
Description	Terminal units are devices are used to regulate the volume and temperature of air for each zone to maximize occupant thermal comfort. While being fundamental to the modern HVAC design, their selection and optimization can be nuanced. This webinar will review best practices and rules of thumb for sizing single duct terminals, fan powered terminals, hot water reheat coils, and electric reheat coils. Additionally, we will review tools and strategies that help streamline the engineering design process and minimize submittal review.
ATTENDEES:	Frederick C Allabaugh, Jr, Ibrahima Balde, Dana Ehrets, James Green, John E Hewitt, Makayla Jackson, Thomas Jordan, Alison Kran, Michael T McGinnis, Kevin Dennis McKeon, Debora Nova, Joseph Parisella, Anthony Paniccia, Vincent Ferraccioli, PE, Eric Smith, Braydon Whittington, Evan Crawley



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CHAPTER TIMELINE 2023-2024

NOVEMBER 21, 2023 – CHAPTER MEETING

THEME: Past President's Night + Donor Recognition + History + Sustainability

TIME: 5:00 PM

LOCATION: The Hotel Ithaca, 222 South Cayuga St., Ithaca, NY, 14850

TOPIC: Indoor Cannabis Grow Room Design

SPEAKER: Chuck Nora & Paul Stewart, Desert Aire

Description Recent legislation has changed the legal status of marijuana in NYS and is likely to lead directly to an increase in the design and construction of indoor grow facilities in our region. Trends in other states indicate that the price of cannabis decreases rapidly after legalization, increasing the emphasis on energy efficiency and yield in these facilities. This presentation explores the unique requirements of mechanical systems in grow rooms and prepares the audience to add value to the end user's project in terms of both sustainability and operational cost savings.

We encourage you to join us in-person, but we are also providing a Virtual option for those who can't make it in-person. For this option, Be sure to select the VIRTUAL TICKET when you register, no dinner is provided with the virtual option. A calendar invite with the virtual presentation link will be provided after registration.

AGENDA 5:00 - 5:30: Check-In & Networking
5:30: Buffet Dinner to Begin
5:40 - 6:00: Introductions, Chapter Announcements, Upcoming Meetings
6:00 - 7:00: Presentation
7:00 - 8:00: After-networking

BUFFET DINNER Roasted Chicken
Cavatappi Primavera
Oven Roasted Potatoes
Potato Salad
Roasted Vegetable Salad
NY Style Cheesecake

ATTENDEES: Aves Ahmed Chaudhry, Brandon Dols, Dana Ehrets, Timothy J Envid, Zach Gifford, John Havlicek, Victoria Ann Kramer, Nate Kurash, Nate Kurash, Nate Kurash, Edward Miller, Sean Miller, Tom Miller, Sean Miller, Kyle Nedlik



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CHAPTER TIMELINE 2023-2024

NOVEMBER 8, 2023– YEA Contractor Panel at Copper Top

TIME: 5:30 PM- 7:30 PM

LOCATION: Copper Top Tavern, 4700 Vestal Pkwy E, Vestal, NY

TOPIC: ASHRAE Twin Tiers Chapter's YEA (Young Engineers in ASHRAE) program!
The panel discussion will expose students and young engineers to the contracting side of the HVAC&R industry through:

PANELISTS: Jay Green – Mechanical Engineer/Project Manager - Petcosky Fire Protection Inc.
Maura Cahill – Engineering, Estimating, & Project Management - SureTemp Company, Inc.
Dana Ehrets – Service Account Manager – Century Heating and Cooling

SUMMARY: Hearing the career path journeys of local contracting industry professionals who have worked in both engineering and contracting roles
Discussions of past experiences, present opportunities, pros and cons of careers within the contracting industry
Discussions on what contractors look for in bid documents from engineers
Interactive question and answer session

AGENDA:

5:30PM-6:00PM – Arrivals, General Networking

6:00PM-7:15PM – Panel Discussion

7:15PM-7:30PM – Chapter Announcements, Continued Networking

ATTENDEES: Benjamin Brea, Maura Cahill, Aves Chaundry, Kirstie Chinchilla, Brandon Dols, Dana Ehrets, Tim Envid, Landon Erickson, Michael Feeley, Zach Gifford, Devon Gomez, Jay Green, John Havlicek, Kali Hayes, Elijah Johnson, Akshay Khairnar, Victoria Kramer, Eric Kroon, Nate Kurash, Matthew Lauri, Isabelle Limbert, Daniel Londono, Anthony Lucsczynski, Carter McEneary, Mike McGinnis, Kyle Nedlik, Nicholas Omeste, Justin Petcosky, Adam Reichert, Muhammad Shaik Sulaimry, Abhay Srinivash, Benjamin Talbot, Glenn Miller, Edward Miller, Sean Miller, Tom Miller, Erick Lopez-DeFillo, Arvind Babjee



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CHAPTER TIMELINE 2023-2024

DECEMBER 19, 2022 – CHAPTER MEETING

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

TOPIC: Estimating and Today's Bidding Environment by Trophy Point

SPEAKER: Rich Chudzik, Dan Lizak, & Jon DiRienzo from Trophy Point

SUMMARY: Trophy Point will present on why clients are relying on estimating more than ever while looking into the cost estimating process and how it can help with value engineering

AGENDA: 12:00 - 12:10: Introductions, Chapter Announcements, Upcoming Meetings
12:10 - 1:00: Presentation followed by Q&A

ATTENDEES: Ibrahima Balde, Dana Ehrets, Jason A Gilbert, PE, James Green, John E Hewitt, Kyle Hobart, Timothy Howe, Makayla Jackson, Victoria Ann Kramer, Michael T McGinnis, Gordon Osterhout, Joseph Parisella, Richard R Sanguinito, PE, Gregg Tyler, Robert J Vanskiver



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CHAPTER TIMELINE 2023-2024

JANUARY 16, 2024 – CHAPTER MEETING

THEME: Sustainability ASHRAE Distinguished Lecturer and Society Past President

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

TOPIC: Decarbonization (Electrification) for Hydronic Heating System (1 PDH)

SPEAKER: Mick Schwedler, PE, FASHRAE, LEED® AP BD+C, ASHRAE Distinguished Lecturer and Society Past President

Company: Trane

Position: Staff Applications Engineer

Mick has been active in the development and support of HVAC systems for Trane since 1982. As an applications engineer his areas of expertise include system optimization (in which he holds patents), chilled water and geothermal heat pump system design, and electrification of heating in hydronic systems. His primary activities “Feed the Roots” by assisting engineers in appropriate application of products and systems in buildings, and system education through publications, blogs and presentations. He has provided technical systems education to tens of thousands of engineers through Trane’s Engineers Newsletter Live series, and ASHRAE webcasts. Mick has also given in-person and virtual technical seminars throughout the world, and published many articles within the industry. Prior to his work with Trane, Mick received his MSME from the University of Wisconsin Solar Energy Laboratory and BSME from Northwestern University.

Mick served as 2021-2022 ASHRAE President. He is an ASHRAE Fellow, recipient of ASHRAE’s Exceptional Service, Distinguished Service, and Standards Achievement Awards, and was Chair of SSPC 90.1-2010. Mick also Chaired the Advanced Energy Design Guide Steering Committee and was on project committees for the 50% Hospital and Office Buildings AEDGs.

SUMMARY: Decarbonization (Electrification) for Hydronic Heating System

Many people have been educated on what decarbonization is, as well as its goals. This presentation delves into how hydronic systems using heat recovery chillers, heat pumps and chiller/heaters can be designed, piped, optimized and controlled in order to provide heat efficiently. Also covered are the impact of hot water and outdoor air temperatures, methods to simplify system design and operation, the importance of ensuring building operators and facility managers can operate the systems as intended. The goal is to reduce environmental emissions and make the system as simple as possible, but not simpler.



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FEBRUARY 20, 2024 – CHAPTER MEETING

THEME: Decarbonizing Healthcare (1-PDH)

TIME: 5:00 PM

LOCATION: Relief Pitcher, 197 Conklin Ave, Binghamton, NY, 13903.

TOPIC: Join us for our two-part meeting on Tuesday, February 20th. During lunchtime we'll be watching a ASHRAE Tech-hour together virtually and then gathering at an In-Person Meeting that evening at 5pm at The Relief Pitcher to discuss the presentation and network. Tickets include access to both parts of the meeting. At noon on February 20th, we will be having a virtual watch-party of Walter Vernon, CEO at Mazzetti's pre-recorded ASHRAE Tech Hour on:

SPEAKER: Walter Vernon, PE, LEED AP, EDAC, FASHE
Mazzetti

Position: CEO

Bio (From Mazzetti's website): "I have nearly 30 years of experience in the research, planning, and design of healthcare facilities. My contributions to the industry include serving as a founding member of the Built Environment Network, whose intent is to advance knowledge in the healthcare facilities network. In addition, I was one of the Co-Coordiators for the Green Guide for Health Care, served on the board of both Practice Greenhealth and Health Care Without Harm, and wrote the section on hospitals for CalGreen. I also was principal author for the World Health Organization's Health in the Green Economy, as well as AHA's Sustainability Roadmap for Hospitals – A Guide to Achieving Your Sustainability Goals. I particularly excel at helping our clients anticipate what the future holds, and how that will impact the operations of their facilities; partnering with them to plan and finance; and ultimately, working to get critical projects done to ensure long-term/sustainable operations that make sense.

AGENDA VIRTUAL ONLY-
Noon-1pm: Watching the Tech-Hour presentation.

IN-PERSON ONLY-

5:00 - 5:30: Check-In & Networking

5:30: Dinner to Begin

5:40 - 6:00: Introductions, Chapter Announcements, Upcoming Meetings

6:00 - 8:00: Open discussion & Networking with YEA Networking BINGO

ATTENDEES: Frederick C Allabaugh, Jr, Ibrahima Balde, Jason A Gilbert, PE, Makayla Jackson, Alison Kran, David Lewis, Michael T McGinnis, Kyle Nedlik, Andrew D Nice, Glenn P Roberts, Richard R Sanguinito, PE,



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MARCH 18, 2024 – CHAPTER MEETING

TOPIC: Recruiting and Retention of the next Generation - Gen Z (1 PDH)

TIME: 5:00 PM

LOCATION: Binghamton University - Decker School of Nursing,
48 Corliss Ave, Johnson City, NY, 13790.

SPEAKER: Distinguished Lecturer (DL) Julia Keen, P.E., Ph.D.
Julia Keen is a Professor of Architectural Engineering and Construction Science at Kansas State University holding the Bob and Betty Tointon Engineering endowed chair. She also owns her own consulting company, Keen Designs, PA. Her specific areas of interest include HVAC design, energy codes, high performance design, HVAC education, and the advancement of women in the building design and construction industry.

AGENDA

- 5:00 - 5:30: Check-In
- 5:30 - 5:45: Dinner to be Served
- 5:45 - 6:00: Introductions, Chapter Announcements, Upcoming Meetings
- 6:00 - 7:00: Presentation
- 7:00 - 8:00: Networking

BUFFET DINNER:

- Garden Salad, Lemon and Thyme Seared Chicken Breast, Olive Oil and Thyme Poached Cod, Sweet Potato Hash with Shallots and Kale, Grilled Ratatouille, Seasoned Sliced Fresh Fruit Platter, Double Chocolate Layer Cake





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APRIL 16, 2024 – 2024 ASHRAE Spring Symposium and Professional Development Seminar

TIME: 8:30 A.M. – 4:30 P.M

LOCATION: Holiday Inn Binghamton – Downtown, 2-8 Hawley St, Binghamton, NY 13901

ACTIVITY Professional Development Class

SPEAKER and Description: EARN UP TO 7.5 Professional DEVELOPMENT HOURS!

Time/Room	Topic	Speaker
8:30-10:00 A.M. Endicott Rm	“Inverter Driven Chiller Heaters”	John Morris, LG
8:30-10:00 A.M. Binghamton Rm	“VRF Applications and Benefits”	Vipul Chandra, York
10:10-11:40 A.M. Endicott Rm	BMS and Operational Technologies: The foundation to support Decarbonization Strategies”	Scott Edwards, JCI
10:10-11:40 A.M. Binghamton Rm	“VFD Harmonics in Modern Design”	Mike Ferguson, RF Peck
11:40-1:20 P.M. Johnson City Rm	Lecturer: Lia Heintjes -Climate Policy Analyst, Office of Climate Change	“NYS Climate policy for HVAC-R”
1:20-2:50 P.M. Endicott Rm	“Cold Climate Electrification Systems and Strategies”	“Chris Devins, Trane
1:20-2:50 P.M. Binghamton Rm	“AIR FILTER SELECTION FOR ENERGY EFFICIENCY”	Nate Hammond, Camfil USA
3:00-4:30 P.M. Johnson City Rm	“Ethics- An interactive case study approach” This course will fulfill the NYS ethics PDH requirements.	Lecturer: Mick Schwedler, PE, FASHRAE 2023-25 ASHRAE Distinguished Lecturer ASHRAE Presidential Member 2021-22





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YEA EVENT



TUESDAY, APRIL 16

4:30PM-6:00PM

**(IMMEDIATELY FOLLOWING CONCLUSION OF ENGINEERING
SYMPOSIUM)**

HAPPY HOUR & INFORMATIONAL SESSION ON THE FE/PE APPLICATION, EXAM, & LICENSURE PROCESS

Join us at the Garage Taco Bar from 4:30-6:00 following the conclusion of the ASHRAE Symposium, for a YEA Networking event! Included in the event, an informal information session will be held for engineers aspiring to obtain professional licensure.

Topics covered will include:

- Applying to take your FE Exam
- Applying to take your PE Exam
- What to expect at the exams
- What to expect from the application process
- Example applications to reference
- Strategies for maintaining CE hours
- Networking with other engineers who have been through the process



Attendee's first refreshment cost will be covered by the ASHRAE Twin Tiers Chapter.



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MAY 21, 2024 – CHAPTER MEE2ING

THEME: Refrigeration

TIME: 5:30 PM - 8:00 PM

LOCATION: Meier Supply Co Inc HQ Office,
275 Broome Corporate Parkway, Conklin, NY, 13748

SPEAKER: Mark Love
Mark is a Senior Account manager for Chemours (formerly Dupont) Refrigerants. Mark has over 36 years of experience in the chemical industry. He has spent the last 17 years working for DuPont/Chemours in the HVAC industry. He has extensive knowledge of the refrigerant industry including the new refrigerant regulations and their impacts. Mark graduated from Drexel university with a Bachelor of Science in Chemical engineering and followed up with an MBA from Shenandoah University.

TOPICS The AIM Act and new refrigerant regulations
The new EPA compliant a2l refrigerants and equipment
A2l safe handling.

AGENDA: 5:30 - 6:00: Check-In & Networking
5:45 - 6:00: Tour of the Meier Supply Training Center
6:00 Buffet Dinner to Begin
6:00 - 6:15: Introductions, Chapter Announcements, Upcoming Meetings
6:15 - 7:00: Presentation



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JUNE 18, 2024- CHAPTER MEETING

Golf Tournament & Clambake –

Date June 18, 2024

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

Menu The menu will include thin sliced ribeye steak sandwiches with sautéed onions/peppers/mushrooms, chicken species, salt potatoes, corn on the cob, garden salad, soft drinks, and beer and Two Dozen Steamed Hard Shell Clams Per Person

Great Door Prizes and a 50/50 raffle to benefit the Twin Tiers ASHRAE Chapter

Very Respectfully,

Richard Sanguinito
Chapter Historian 2023-2024