



Chapter Historian Richard R. Sanguinito
Twin Ties Chapter # 129

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

CHAPTER TIMELINE 2022-2023

AUGUST 25, 2022 to AUGUST 27, 2022

CRC Concord New Hampshire

Region 1 Chapter Regional Conference CRC

- Adam Keller
- Jason Gilbert
- Richard Sanguinito
- Glenn Roberts

Chapter Delegate
Chapter Alternate, Student Activities
Chapter Historian
Chapter Research Promotion

Awards Twin Tiers Chapter has maintained it Premier status

- Presidential Award of Excellence, Special Citation, High Honor Roll and Premier – Adam Keller, Chapter President
- Thomas S. Brown Membership Award, Honorable Mention – Chris Wolak, Membership Promotion Chair
- Webstation of Excellence – Petros Papathomopoulos, Webmaster
- Student Activities RVC “Top Dog” Award – Jason Gilbert, Student Activities Chair, Student Branch Advisor
- Research Promotion Award – Mike McGinnis, Glen Roberts, Membership Promotion Co-Chairs
-

HISTORY PRESENTATION



AWARDS





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CHAPTER TIMELINE 2022-2023

SEPTEMBER 20, 2022 – ASHRAE TWIN TIER SEPTEMBER CHAPTER MEETING

Event	Humidification 101 *Approved for 1 PDH Credit*
Time	5:00 PM
Location	Little Venice Restaurant, 111 Chenango Street, Binghamton, NY 13901
Activity	Humidification Technical Session
Presenter	David Bennett, Regional Sales Manager, Dristeem
Description	Review the fundamental of Humidification and the challenges of properly applying the technology to system for proper effectiveness
Menu:	Salad, Garlic Bread and select Dessert provided with all dinner options.
Logs	House Made Spaghetti with Meat House Made Fettuccine Alfredo Shrimp Scampi House Made Manicotti Little Venice Chicken Parmigiana Eggplant Parmigiana
Agenda:	5:00 - 5:30: Check-In & Networking 5:30 - 5:45: Introductions, 5:45 - 6:00: Dinner to be Served 6:00 - 7:00: Humidification Presentation 7:00 - 8:00: YEA Bingo Networking



Attendees: 36 were in attendance for the event Abdelouahab Badaoui, Abigail Pawliczak, Ajdin Sisic, Anthony Esposit, Daniel Acedbedo, David Cervantes, Edward Sorrano, Franci Kocoj, Hugh White, Ilan Bregman, Jeremy Lai, Kathleen Starr, Matthew Galstian, Nicholas Minerva, Olirin McLernon, Salvatore Mezzatesta, Shannon O'Brien, Zachary Carpenter, Dave Bennett, Courtney Cervantes Nava, Mohammed Khalil, Alison Kran, Andrew Gimbar, Andrew Nicer, Benedict Nemec, Dana Ehrets, Donald Harris, Ibrahima Balde, Kevin McKeon, Kyle Nedlik Stantec, Makayla Jackson, Michael McGinnis, Noah Day Ramboll, Richard Sanguinito, Victoria Kramer, Frederick Allabaugh.



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CHAPTER TIMELINE 2022-2023

September 20, 2021 – YEA Bingo Networking Event

Event ASHRAE Twin Tier September YEA
Bingo / Networking

Time: 7:00 PM

Location: Little Venice Restaurant
111 Chenango Street
Binghamton, NY 13901

Speaker: Dana Ehrets

Description: Stick around for our Young Engineers in ASHRAE (YEA) event starting at 7pm to network with other professionals in the industry.



First drink courtesy of the Chapter, after completion of a "YEA Bingo" card!

This program aims to engage young professionals in the industry, 35 years and younger. By hosting these activities we hope to develop a culture where all feel welcome, can benefit from these events, and grow professionally. Feedback or any ideas for upcoming events is always encouraged!

ALL members (no matter your age) are welcome to attend!



Attendees: 36 were in attendance for the event Abdelouahab Badaoui, Abigail Pawliczak, Ajdin Sisic, Anthony Esposit, Daniel Acedbedo, David Cervantes, Edward Sorrano, Franci Kocoj, Hugh White, Ilan Bregman, Jeremy Lai, Kathleen Starr, Matthew Galstian, Nicholas Minerva, Olirin McLernon, Salvatore Mezzatesta, Shannon O'Brien, Zachary Carpenter, Dave Bennett, Courtney Cervantes Nava, Mohammed Khalil, Alison Kran, Andrew Gimbar, Andrew Nicer, Benedict Nemec, Dana Ehrets, Donald Harris, Ibrahima Balde, Kevin McKeon, Kyle Nedlik Stantec, Makayla Jackson, Michael McGinnis, Noah Day Ramboll, Richard Sanguinito, Victoria Kramer, Frederick Allabaugh



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OCTOBER 18, 2022 – ASHRAE TWIN TIER OCTOBER CHAPTER MEETING

Event	Tour & Dinner Meeting Binghamton University's new Baseball Complex
Time	5:00 PM
Location	Binghamton University Baseball Complex 25 Bunn Hill Access Road, Vestal, NY 13850
Activity	Tour of Binghamton University's new Baseball Complex.
Presenter	Andrew Taranto (Engineering Building Systems) Gary Bendert (Binghamton University)
Description	Topic Description: The 84,000 square foot complex opened last spring and continues to draw national attention. The facility was completely funded by an anonymous donor at \$60 million. Tour/Presentation: - o System Design and Choosing the Right Equipment - o Bidding Process - o Planning for Future Expansion - o Customer Experience From Design to Installation
Menu:	Buffet Dinner
Agenda:	500 - 5:30: Check-In & Networking 5:30 - 5:45: Introductions and Chapter Announcements 5:45 - 6:15: Facility Tour 6:00 - 7:00: Dinner and Presentation



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CHAPTER TIMELINE 2022-2023

NOVEMBER 15, 2022 – CHAPTER MEETING

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

TIME: 5:00 PM

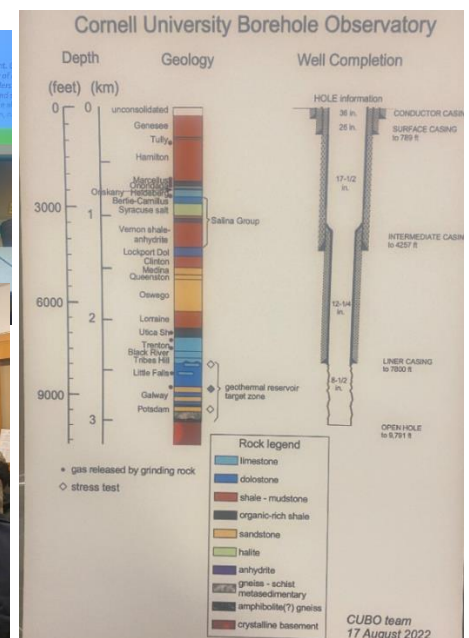
LOCATION: Cornell University - ILR Conference Center at King-Shall Hall

TOPIC: Cornell University Borehole Observatory (CUBO) and the campus District Steam to Hot Water Conversion (1 PDH)

SPEAKER: **Cornell's Project Team:**
Energy and Sustainability Department
Engineering and Project Management Department

AGENDA

- Project Team Introduction
- District Hot Water Conversion Overview
- CUBO Test Well
- Drilling Overview
- Testing Results
- Steam to Hot Water Conversion - East Campus Hot Water
- Design Approach and Considerations, Construction, Results, Improvement Opportunities
- Living Laboratory (Student)
- What's Next - ESH Demonstration Well Pair





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CHAPTER TIMELINE 2022-2023

DECEMBER 20, 2022 – CHAPTER MEETING

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

TOPIC: **"The New Carbon Standards: Net Zero Operational, Embodied, Whole Life and Upfront Energy (Carbon)." (1 PDH)**

SPEAKER: **Distinguished Lecturer,
Luke Leung, P.Eng., Fellow ASHRAE, LEED® Fellow, BEMP**

SUMMARY: While the past focus on energy and carbon is more about operational, the new focus will be on Whole Life Carbon. For the past 20+ years, the MEP industry was focused on operational energy reductions. Through strategies related to energy efficiency, utility source selection, and integration of renewable energy, great progress was made to reduce operational carbon. Our focus is now moving to the embodied and Whole Life Carbon associated with the materials and systems found in the built environment. Embodied carbon looks at the carbon impacts associated with extracting, manufacturing, and transporting materials to the jobsite, in addition to manufacturing and transportation, including impacts related to in-use and end of life. While life cycle analysis (LCA) accounts for impacts over the full lifecycle of a material, which includes embodied and operating carbon, or, cradle to grave. Also, more focus is on Upfront Carbon, or, cradle to gate to understand the carbon impact of different materials. This will greatly impact our work tomorrow. This discussion will include different methodologies in counting of carbon, examples of different carbon calculations, and ways to reduce carbon emission holistically. With the new administration goal of 1.5C net zero economy by 2050, and 2035 all renewable electricity grid, we need to accelerate holistic carbon effort to an all-electric, and net zero future.

AGENDA: 12:00 – 12:05: Chapter Announcements, Meeting Introduction
12:05 – 12:55: Presentation
12:55 – 1:00: PDH Instructions & Closing



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CHAPTER TIMELINE 2022-2023

JANUARY 17, 2023 – CHAPTER MEETING

THEME: Theme: Government Affairs + Environmental Sustainability

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

TOPIC: " Ithaca's Green New Deal and 2023 Energy Code Supplement" (1 PDH)

SPEAKER: **Nick Goldsmith, Town of Ithaca Sustainability Planner**

Nick has been the Sustainability Planner for the Town of Ithaca, NY for over 10 years. For eight of those years, his position was split with the City of Ithaca. Nick helped both municipalities develop and implement the Ithaca Green New Deal, which aims for an equitable transition to carbon neutrality community-wide by 2030. He led the development of the Ithaca Energy Code Supplement, requirements for net-zero new construction that emphasize electrification and affordability. Nick holds an M.S. in Energy Management from New York Institute of Technology and a B.A. in Mathematics from Brown University.

SUMMARY: Ithaca's Green New Deal

- Review the major goals and related Green House Gas (GHG) reduction and equity initiatives.

Ithaca's Energy Code Supplement (IECS)

- Understand new 2023 Energy Requirements for the Ithaca area.
- Learn about carbon emissions and subsequently what construction costs can be reduced in buildings.
- Understand challenges to carbon minimal energy codes and ways to engage the community in adopting a zero emissions code.

AGENDA: 12:00 – 12:05: Chapter Announcements, Meeting Introduction

12:05 – 12:55: Presentation

- Presentation From 12pm - 1pm (EST):
- Introduction/Overview
- Green New Deal & Initiatives
- Ithaca Energy Code Supplement (IECS)
- IECS Requirements
- IECS Challenges

12:55 – 1:00: PDH Instructions & Closing



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FEBRUARY 28, 2023 – CHAPTER MEETING

THEME: Research Promotion and Research/RAC Night

TIME: 5:00 PM

LOCATION: Lost Dog Café in Binghamton.

TOPIC: "HVAC Pool Dehumidification Design" (1 PDH)

SPEAKER: **Ray Hickey**, Director of Sales and Business Development at **Efficient Air**

- Company: Efficient Air Systems
- Position: Director of Sales, based out of Gorham, ME
- Bio:
 - Ray received his Associate of Applied Science degree in HVAC from Hudson Valley, and while getting his Mechanical Engineering degree at Cal Poly, joined its Student Chapter ASHRAE in 1969. He has belonged to (8) different ASHRAE Chapters and is currently a life member of ASHRAE.
 - During his working career he has worked for (1) engineer, (2) contractors, (3) manufacturer representatives and (2) manufacturers.
 - Ray started off specializing in refrigeration which included refrigeration dehumidification, and has sold, dry and liquid desiccant products, and represented (8) different dehumidifier manufacturers. Projects from lithium battery production (2%) to clay stoneware drying (90%).

DESCRIPTION: HVAC Pool Dehumidification Design

AGENDA 5:00 - 5:30: Check-In & Networking
 5:30 - 5:45: Buffet Dinner
 5:45 - 5:55: Introductions, Chapter Announcements, Upcoming Meetings
 5:55 - 6:00: Research Promotion Announcements
 6:00 - 7:00: Presentation by Ray Hickey
 7:00 - 8:00: YEA ASHRAE Jeopardy



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MARCH 21, 2023 – CHAPTER MEETING

THEME: Government Affairs

TIME: 5:00 PM

LOCATION: Vestal Copper Top Tavern.

TOPIC: “New Refrigerant [R-32] Training” (1 PDH)

SPEAKER: Eric Kravitz

- Company: HVAC Distributors Inc.
- Position: Technical Support & Training Manager

DESCRIPTION: HVAC Pool Dehumidification Design

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:

- Vegetable Tray with Ranch
- Assorted Stone Fired Pizzas
- Avocado Eggrolls (v)
- Mediterranean Spread (v)
- Stoned Fired Chicken Wings
- Dessert



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APRIL 18, 2023 – 2023 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 6.0 Professional DEVELOPMENT HOURS!

Time/Room	Topic	Speaker
8:30-10:00 A.M. Endicott Rm	“NYStretch for Commercial Buildings”	Chris Whittet, Performance Systems Development
8:30-10:00 A.M. Binghamton Rm	“Building Automation Systems 102 Building Automation Systems and Control Basics	Scott Edwards, Johnson Controls
10:10-11:40 A.M. Endicott Rm	Deliver Clean Healthy Air with UV-C	Steve Mongeau, UV Resources
10:10-11:40 A.M. Binghamton Rm	Creating a World of Zero Energy Buildings	Paul Torcellini, Ph.D., ASHRAE DL
11:40-1:20 P.M. Johnson City Rm	Women and STEM: Enhancing Innovation and Sustainability through Diversity	Dr. Theresea Weston, Ph.D, ASHRAE DL
1:20-2:50 P.M. Endicott Rm	Desiccant Dehumidification	Steve Brandt, P.E. D.F. Brandt, Inc
1:20-2:50 P.M. Binghamton Rm	Basic Air Management & System Pressurization	Steve Krisko, Bell & Gossett - Xylem
3:00-4:30 P.M. Endicott Rm	Airflow Control Devices	Rob VanSkiver, H&V Sales Group
3:00-4:30 P.M. Binghamton Rm	Smart Buildings	Rob Alix, Siemens





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SCHOLARSHIP - HO Ward Scholarship Recipients



Hugh White \$500



Baiyina Richardson \$500



Suniti Patel \$1,000



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MAY 16, 2023 – CHAPTER MEE2ING

OLIN HALL - LAB EXHAUST ENERGY RECOVERY SYSTEM CORNELL UNIVERSITY

THEME: Sustainability

TIME: 5:00 PM - 8:00 PM

LOCATION: Cornell University - Olin Hall, 113 Ho Plaza, Ithaca, NY 14853

SPEAKER: Nicole Tyler, PE - M/E Engineering
Cole Tucker, PE, CEM - Cornell University
Jason Collins - Cornell University

DESCRIPTION: Cornell University: Olin Hall - Heat Recovery System Tour and Presentation

- **The project tour involves climbing a caged ladder to access the roof. This may be inaccessible or physically challenging for some. An alternative option to view the roof top equipment from afar is to walk uphill to a nearby parking lot.

AGENDA: 5:30 - 5:45: Check-In at Olin Hall Room 155
• 5:45 - 6:15: Project Tour - Olin Hall Mechanical Room and Roof
6:30 - 6:45: Dinner Served at Olin Hall Room 155
6:45 - 8:00: Chapter Announcements and Technical Presentation at Olin Hall





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JUNE 13, 2023- CHAPTER MEETING

Golf Tournament & Clambake –

Date June 13, 2023

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 speides, 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 2022-2023