



Chapter Historian Richard R. Sanguinito
Twin Ties Chapter # 129

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CHAPTER TIMELINE 2020-2021

AUGUST 2020 – CRC was virtual due to COVID 19

Committee meeting were virtual.
History presentation was virtual.

AUGUST 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

SEPTEMBER 22, 2020 – CHAPTER MEETING

Event	Virtual Presentation The Role of Air Filters in the Filtration and Disinfection COVID-19 Document (1 PDH Credit)
Time	12:00 PM
Location	Web Event
Activity	Virtual Presentation
Presenter	Mark Davidson - Camfil USA, Air Filtration Technology Leader, Manager Technical Marketing Food & Beverage Segment Mgr Healthcare Business Development - Mark is the Manager of Technical Marketing which includes responsibility for participating in ASHRAE committees including 170 for healthcare facilities. Prior to that role, Mark was the Food and Beverage Segment Manager for Camfil USA with overall responsibility for growing market share in food or beverage production facilities located throughout the United States. - His background in industrial food processing and healthcare facilities gives Mark the understanding required to select the air filtration solution that provides the appropriate level of indoor air quality while tackling the high cost

of energy, fewer maintenance staff and a growing shortage of landfill space. Food processing plants and healthcare facilities have a surprising number of common challenges and a more technical filtration solution strikes the right balance between energy cost, service life longevity while maximizing an HVAC system's airflow capabilities. These solutions typically deliver savings to healthcare facilities of between 6 to 12 cents per square foot and between 30% and 40% for a typical food processing facility.

Description The COVID-19 Pandemic has created a lot of attention and questions with regards to air filtration. This month's presentation will focus on the role of air filters in the Filtration and Disinfection COVID-19 document.

OCTOBER 2020 – CHAPTER MEETING

Meeting Canceled due to COVID-19

NOVEMBER 17, 2020 – CHAPTER MEETING

ASHRAE Twin Tier November Chapter Meeting

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

SPEAKER: Amir Refaat - Systemair

DESCRIPTION: This presentation takes you through the fundamentals of sound, the basic science of sound waves and what makes sound. We will review common terminologies and explanations of acronyms in our industry that we may have seen or come across, and review the importance of sound curves and how to read them for our industry. Then we will discuss the difference between AMCA, ANSI and the different sound labs and accredited testing. Finally, we will discuss why sound is critical for the classroom and how to better design classroom unit ventilators for optimal teaching efficacy.

AGENDA: 12:00 – 12:10: Chapter Announcements, Meeting Introduction
 12:10 – 1:00: Presentation
 1:00 – 1:15: Questions

DECEMBER 15, 2020 – CHAPTER MEETING

ASHRAE Twin Tier December Chapter Meeting

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

SPEAKER: Stephanie H. Taylor MD, M Architecture, CIC, FRSPH (UK) ASHRAE Distinguished Lecturer, Epidemic Task Force, Environmental Health Committee Harvard Medical School InciteHealth Fellow

DESCRIPTION: Our lives have been in tremendous upheaval from a mutated virus in the Corona-virus family. Many unanswered questions about disease transmission, mortality rates and our own immune response have resulted in uncertainty and confusion about how we should be behaving and managing our indoor environments. Thankfully, we have a solid foundation of scientific data from studies in microbiology, medicine and the indoor environment that can guide us. Dr. Taylor will present studies on building interventions that have dramatically improved the health of human occupants while decreasing the threat of microbial pathogens such as COVID-19. Proper building management is the key to protecting everyone's health, both now and once this pandemic has passed. While you may think that all physicians are boring, please attend this webinar anyway so that we can begin to bridge the divide between our professions. You are essential in harnessing the power of the indoor environment to keep us safe and healthy during COVID-19 and beyond.

AGENDA: 12:00 – 12:10: Chapter Announcements, Meeting Introduction
12:10 – 1:00: Presentation
1:00 – 1:15: Questions

JANUARY 19, 2021 – CHAPTER MEETING

ASHRAE Twin Tier January Chapter Meeting

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

SPEAKER: Donald Harris, PE, LEED AP, Delta Engineers, Architects, & Surveyors Past President of Twin Tiers Chapter

DESCRIPTION: The renovation of The BU Engineering Building designed by Binghamton University and Delta Engineers recently received the ACEC NY Engineer Excellence Gold Award. The project included upgrades to all mechanical and electrical systems in the 3-story classroom building that still had many of the original systems. The use of the large open shop/classroom spaces had been broken up into suites of offices and smaller classrooms. Included in the renovation were large energy improvements to the envelope, windows, ventilation, and energy reclaim.

AGENDA: 12:00 – 12:10: Chapter Announcements, Meeting Introduction
12:10 – 1:00: Presentation / Tour Videos
1:00 – 1:15: Questions

FEBRUARY 16, 2021 – CHAPTER MEETING

ASHRAE Twin Tier February Chapter Meeting

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

SPEAKER: Alex Pedrossa, Application Engineer Fulton Heating Solutions, Inc.

DESCRIPTION: In this course we will cover the topic of condensing and how it is used in condensing boilers. The different types of condensing boilers, heat exchanger technologies and the main differences between them as well as materials of construction are covered in detail during this presentation. An explanation of a primary-secondary hydronic design along with the pros and cons is provided. We detail the newer hydronic piping arrangement, variable primary piping and go over the many benefits the customer can gain by utilizing it. Lastly, we cover control strategies and go over ways to optimize the system for longevity and efficiency.

AGENDA: 12:00 – 12:10: Chapter Announcements, Meeting Introduction
12:10 – 1:00: Presentation
1:00 – 1:15: Questions

MARCH 16, 2021 – CHAPTER MEETING

ASHRAE Twin Tier March Chapter Meeting

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

SPEAKER: Alex Pedrossa, Application Engineer Fulton Heating Solutions, Inc.

DESCRIPTION: The main presentation focus will be application of magnetic bearing chillers when designing central cooling plants. The presentation will cover the benefits of using an oil free design, including efficiency and life cycle cost. The presentation will also cover the inherent problems faced with oil filled chillers. The presentation will also cover the differences between single and multiple compressor large tonnage machines. To wrap up the presentation real life case studies will be shown to show the differences between oil and oil free chillers.

AGENDA: 12:00 – 12:10: Chapter Announcements, Meeting Introduction
12:10 – 1:00: Presentation
1:00 – 1:15: Questions

APRIL 2020 SYMPOSIUM

2021 ASHRAE Spring Symposium - Session #1 – APRIL 19, 2021

9:00 to 10:00: Electric Snow Melting Products, Accessories, Controls, and Application Knowledge - Rob Zerillo (1 PDH Available)

10:00 to 11:00: Business Ethics for the HVAC Professional - Pat Graef (ASHRAE Distinguished Lecturer) (1 PDH Available)

11:00 to 12:30: Sensored or Sensorless Variable Speed Pump Control - Michael Licastro(1 PDH Available)

MAY 25, 2021 – CHAPTER MEETING

ASHRAE Twin Tier May Chapter Meeting

TIME: 12:00 (noon) PM

LOCATION: Virtual Meeting

SPEAKER: Jay Enck, BCxP, HBDP, BEAP, LEED Fellow, LEEP AP Reinhard Seidl, P.E..

DESCRIPTION: When it comes to commissioning for new or existing buildings, it's important to analyze the impact of climate change and evolving technology. This Tech Hour will dive into evaluating building characteristics and usage patterns that affect building energy footprint and occupant productivity, in addition to data.

AGENDA: 12:00 – 12:10: Chapter Announcements, Meeting Introduction
12:10 – 1:00: Presentation
1:00 – 1:15: Questions

JUNE 2020 SYMPOSIUM

2021 ASHRAE Spring Symposium - Session #2 – JUNE 8, 2021

9:00 to 10:00: Advanced Fan Systems Presented by: Andrew Taranto (1 PDH Available)

10:00 to 11:00: Electrification of Boiler Plants Presented by: Jim Parks & George Denecke (1 PDH Available)

11:00 to 12:30: CO2 Monitoring for Outdoor Airflow and Demand Controlled Ventilation Presented by: Dr. Tom Lawrence (1 PDH Available)

JUNE 2021- CHAPTER MEETING

2021	Golf Tournament & Clambake – POSTPONED TO AUGUST
Date	June 15, 2021
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 2020-2019