



SNEAPPA
Southern New England Chapter of APPA



UMass Chan
MEDICAL SCHOOL

SPRING 2023 BUSINESS MEETING @ UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL

WEDNESDAY, **MARCH 15** 2023

SPONSORS:

MAIN PROGRAM:



REGISTRATION:



BREAKFAST:



LUNCH:



CAMPUS TOURS:



Location: MEDICAL SCHOOL / 1ST FLOOR FACULTY CONF ROOM
(55 LAKE AVENUE NORTH / WORCESTER, MA 01655)

9:00 am – 9:45 am

Registration / Continental Breakfast / Networking

9:45 am – 10:00 am

SNEAPPA Business Meeting

- President's Welcome / SNE/ERAPPA Updates

10:00 am – 11:00 am

SESSION #1: UMASS Chan Medical Center Education/Research Building: *Designed with Operations and Maintenance in Mind*

Presenter(s): Charles Hibbard, Associate Principal, **Architectural Resources Cambridge**; Kurt Shank, Associate Principal, **BR+A**; Finn Chappell, Senior Mechanical Engineer, Plumbing & Fire Protection, **IMEG**; John Emond, Operations Project Executive, **Shawmut Design and Construction**; Alex Rozak, Project Manager, **Shawmut Design and Construction**

UMass Chan Medical Center has partnered with Shawmut Design and Construction to build a state-of-the-art **new** education/research building dubbed "**NERB**." This building has been designed with the end in mind, with every step of the process focused on how the facility will perform and be maintained. The presentation will be shared between members of the design and construction team highlighting their thoughtful approach to the building design phase for the planned balancing of high performance and efficient systems. The focus then turns to the team's unique approach to the reconstruction, construction, and turnover process.

11:00 am – 11:30 am

Networking Break

11:30 am – 12:00 pm

SESSION #2: Decarbonization Planning at a Medical School Campus: *Discoveries, Opportunities, and Lessons Learned*

Presenters: Suzanne Wood, Associate Director of Sustainability and Campus Services, **University of Massachusetts Chan Medical School**; Jennifer Haugh, Director of Planning and Customer Engagement, **GreenerU**

UMass Chan Medical School has embarked on the first steps toward eliminating its greenhouse gas emissions—an enormous challenge for a healthcare facility that has energy redundancy requirements, high air quality and safety standards, and a natural-gas-powered combined heat and power plant that provides heating, cooling, and electrical needs for the campus. Working with consultants, UMass Chan is gathering momentum for change through a stakeholder-engaged process of data discovery, efficiency and equipment upgrades recommendations, and energy transition options to find the right balance of meeting patient and campus needs while reducing its impacts on climate change. This presentation will walk through the discoveries, challenges, opportunities, and lessons learned to date on the necessity of gathering campus-wide buy-in for decarbonization efforts.



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AGENDA (cont'd)

SPONSORS:

MAIN PROGRAM:


SHAWMUT



REGISTRATION:



BREAKFAST:



LUNCH:



CAMPUS TOURS:



12:00 pm – 12:30 pm

SESSION #3: UMass Chan Medical Center's Co-Gen Power Plant

Presenters: Joseph Collins, Senior Director of Energy Resources, UMass Chan Medical School; Bruce Hjort, Associate Director of Energy Resources, UMass Chan Medical School; Brian Pasquale, PE, Senior Mechanical Project Manager, UMass Chan Medical School;

Learn about the UMass Chan Medical Center's state-of-the-art Co-Gen Power Plant with capacity to meet full electrical demand of the campus and capable of operating in "island mode" isolating the campus from the utility grid for maximum reliability and control.

12:30 pm – 1:30 pm

Lunch

1:30 pm - 2:45 pm

Campus Tours (choose one):

★ "NERB" (New Education & Research Building)

~ OR ~

★ UMass Chan's Power Plant



Visit www.sneappa.org for updates and to register!



THANKS to SHAWMUT and all our Business Partners for their support of this Spring program!

SPRING 2023 SPEAKER BIOS

SESSION #1:



CHARLES HIBBARD; Associate Principal, **Architectural Resources Cambridge**

With over 20 years of experience between the design table and the construction site, Charles has design expertise and construction know-how in a variety of new and renovated building types for academic and scientific clients. An Associate Principal at ARC, he has led architectural/engineering teams of all sizes and disciplines through traditional as well as fast-track project deliveries. Charles holds a Master of Architecture from the University of Michigan and is a Registered Architect in Massachusetts. chibbard@arcusa.com



KURT SHANK, PE, CEM, LEED AP; Associate Principal, **BR+A**

Kurt Shank has over 20 years experience in the field of HVAC Engineering for architecturally-oriented building projects. As an Associate Principal of the firm, Kurt has been involved in the engineering of HVAC systems for a broad range of project types for healthcare, academic, research, and science clients nationwide. Kurt holds a Master of Science in Architectural Engineering (Mechanical Option) from the Pennsylvania State University. He is a Registered Professional Mechanical Engineer, LEED Accredited Professional, and an active member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers. kshank@brplusa.com



FINN CHAPPELL, PE, CPD; Senior Mechanical Engineer, **Plumbing & Fire Protection, IMEG**

Finn Chappell has more than 10 years of experience developing plumbing and fire protection designs for public and private projects in a variety of environments. His focus is on facility infrastructure design and rehabilitation of distribution systems for large-scale and complex institutional, healthcare and laboratory facilities, and his work involves leading plumbing and fire protection teams through the intricate processes required in these facilities. Finn majored in mechanical engineering with a minor in mathematics at the University of Vermont, is a professional engineer and certified plumbing designer, and is a member of ASPE, ASHE, and ACEC/MA. He is located in IMEG's Boston office. finn.k.chappell@imegcorp.com



JOHN EMOND, ASHE HCC, LEED AP; Operations Project Executive, **Shawmut Design and Construction**

John Emond has over 25 years of experience in the Construction industry and is a 20-year veteran of Shawmut. He specializes in large scale higher education projects focusing on project pre-planning, construction operations, and execution. As the Operations Project Executive, John manages all the business aspects of the preconstruction and construction phases including project controls, monthly reporting and oversight of the envelope and the structure. John holds a B.S. in Mechanical Engineering from UMASS Amherst. He is USGBC LEED Accredited, ASHE HCC, OSHA 30-Hour and First Aid/CPR Certified. jemond@shawmut.com



ALEX ROZAK, CQM; *Project Manager, Shawmut Design and Construction*

Alex Rozak has over eight years of experience in the Construction industry and has been with Shawmut for this period. Alex specializes in mechanical, electrical, plumbing, and fire protection related systems focusing on the coordination, execution, and control of those systems. He also specializes in laboratory and life-science related systems. As Project Manager, Alex manages all the business aspects of the preconstruction and construction phases, including budgeting, value engineering, contracts, scheduling, logistics, pricing, and implementation. Alex holds a B.S. in Energy Systems Engineering from Massachusetts Maritime Academy. He has many certificates including OSHA 30-Hour, CPR/AED, EIT and the US Army Corps of Engineers Certified Quality Manager (CQM) Certificate. arozak@shawmut.com



SESSION #2:



SUZANNE WOOD; *Associate Director of Sustainability and Campus Services, University of Massachusetts Chan Medical School*

Suzanne Wood is the Associate Director of Sustainability and Campus Services at UMass Chan Medical School. In her current role, Suzanne drives the integration of sustainability into campus services while working closely with faculty, staff, and students across the Medical School and affiliated hospital to reduce the environmental impact of campus operations. Suzanne leads the sustainability and decarbonization initiatives across the institution, including the implementation of the Sustainability and Climate Action Plan and compliance with Executive Order 594. Suzanne earned her bachelor's and master's degrees in environmental science and policy at Clark University, and an MBA from UMass Amherst's Isenberg School of Management.



JENNIFER HAUGH; *Director of Planning and Customer Engagement, GreenerU*

GreenerU's Jennifer Haugh, Director of Planning and Customer Engagement, has more than 25 years of professional experience in the nonprofit and public sectors with expertise in communications, fundraising, leadership, and strategic planning. A native of Minnesota, she worked for organizations such as Minnesota Youth Symphonies, American Public Media, and the Walker Art Center before moving to Boston to attend the Harvard Kennedy School and Harvard Graduate School of Design. Jen is a Rappaport Institute policy fellow and worked for the Massachusetts Department of Energy Resources on energy-efficiency programs for commonwealth-owned facilities. Jen leads GreenerU's climate action planning team.



SESSION #3:



JOSEPH COLLINS; *Senior Director of Energy Resources, UMass Chan Medical School*

Joseph Collins is the Senior Director of Energy Resources for the University of Massachusetts Chan Medical School in Worcester, MA. Prior to coming to UMass, Joe sailed as Engineer in the Merchant Marines operating oil tankers before entering the stationary field where he was involved with the construction, start-up, and operation of four large Combine-cycled Power Plants for GE and ABB.

At UMass, Joe has directed the advancement of CHP technology at this facility for over 20 years, helping UMMS produce highly efficient and reliable steam, chilled water and electricity during the growth of Campus Research, Clinical, and a Level I Trauma Hospital from just over one million square feet to over four million square feet today. (The UMMS Central Power Plan also serves the adjacent UMass Memorial Hospital.) Mr. Collins was instrumental in adopting CHP at UMMS, having overseen the addition of high pressure steam boilers, steam and electric driven chillers and a Solar Taurus 60 Gas Turbine and fired HRSG cogeneration system.



BRUCE HJORT; *Associate Director of Energy Resources, UMass Chan Medical School*

Bruce Hjort is the Associate Director of Energy Resources at UMass Chan Medical School. Bruce has had a twenty-five year career at UMass Chan. He started as a 3rd Engineer, eventually worked his way up to Lead of Operations, and finally Associate Director. Bruce is a graduate of Massachusetts Maritime Academy with a degree in Maritime Engineering.



BRIAN PASQUALE, PE; *Senior Mechanical Project Manager, UMass Chan Medical School*

Brian started at UMass Chan Medical School in 2017 and has since managed several significant infrastructure projects at the Power Plant. He came to UMass with fifteen years experience in the construction industry, working primarily in the science & technology sector. Brian is a 2004 graduate of the University of Massachusetts Amherst with a degree in Mechanical Engineering. He is a registered Professional Engineer in the State of Massachusetts.