



SNEAPPA
Southern New England Chapter of APPA



FALL 2024 BUSINESS MEETING @ UNIV OF MASSACHUSETTS / LOWELL

WEDNESDAY, **OCTOBER 16** 2024

WITH GRATEFUL
ACKNOWLEDGEMENT
TO OUR
SPONSORS:

Meeting Location: **UNIVERSITY CROSSING MOLONEY HALL / UCC 260
(220 PAWTUCKET STREET, LOWELL, MA 01854)**

MAIN PROGRAM:



REGISTRATION:



BREAKFAST:



LUNCH:



CAMPUS TOURS:



- | | |
|---------------------|--|
| 8:00 am – 9:00 am | Registration / Continental Breakfast / Networking |
| 9:00 am – 9:10 am | SNEAPPA Business Meeting
- Officer's Welcome
- SNE/ERAPPA Committee Updates |
| 9:10 am – 10:00 am | SESSION #1: THE NUCLEAR OPTION FOR DECARBONIZATION
(Panel)

Panel Moderator: Jean Robinson , Facilities AVC, UMass Lowell
Panel: Suzanne Wood , Associate Director of Sustainability & Campus Services, UMass Chan Medical School ; Daniel Abrahamson , Energy Manager, UMass Lowell ; Sukesh Aghara , Associate Dean of Graduate Studies and Research for the College of Engineering, UMass Lowell

Join the Facilities team from UMass Chan Medical School and UMass Lowell along with UMass Lowell's Nuclear Researcher, Sukesh Aghara, for a panel discussion to learn how advances in nuclear technology are making this power source a safe and viable alternative for achieving carbon neutrality by using existing steam infrastructure. This discussion will use real life case studies to address the benefits and challenges of nuclear as an option for meeting carbon neutrality goals, and will share how advances in research and technology address public perception around safety. Bring your questions to the conversational panel discussion. |
| 10:00 am – 10:15 am | Networking Break |
| 10:15 am – 11:00 am | SESSION #2: TURNING GREEN SPACE INTO STUDENT SUCCESS

Presenters: Richard Yeager , Director of Planning and FIS, UMass Lowell ; Kevin Block , Grounds Operations Manager, UMass Lowell

Creative use of campus green space does more than enhance curb appeal — it can have a big impact on recruitment, active learning, and student success. As an urban campus with residential neighborhoods tightly pressed against its borders, UMass Lowell has limited green space to develop. Learn how they have maximized the impact of their green space by becoming an Accredited Level II Arboretum and by developing an urban agricultural program, outdoor living labs, food forest, rooftop gardens, and a serenity garden — all for interdisciplinary research, education, and student success. This discussion will focus on small steps that can be taken for maximum impact, regardless of campus size or budget. |
| 11:00 am – 11:15 am | Networking Break |
| 11:15 am – 12:00 pm | SESSION #3: USING AUTOMATION TO ALLEVIATE SKILLED LABOR BURDEN (Panel)

Panel Moderator: Jean Robinson , Facilities AVC, UMass Lowell
Panel: Randolph Branson , Director of MEP Operations, UMass Lowell ; James Santangelo , Building Energy Management Systems Tech, UMass Lowell ; Daniel Abrahamson , Energy Manager, UMass Lowell ; Christine Hanna , Sales Engineer, Automated Logic |

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CAMPUS TOURS:





AGENDA *(cont'd)*

SESSION #3: USING AUTOMATION... (cont'd)

Join Automated Logic Corporation and the UMass Lowell Facilities team to hear how they have slowly and methodically expanded the capacity of their building controls system to increase energy efficiently and reduce labor associated with HVAC system adjustments. The panel will share lessons learned from their crawl, walk, run approach to building an automated control system from scratch to over 45,000 control points in 50 buildings. This approach of continuous and gradual improvement is intended to provide practical suggestions that can be a benefit to all. Take advantage of this opportunity to ask question and discover ideas for increased efficiency on your own campus.

12:00 pm – 1:00 pm

LUNCH

1:00pm - 3:00 pm

★ **CAMPUS TOURS:** Three unique tour options are offered over two time slots. Please **select one (1) preferred tour and time** below:

★ **1. SOUTH CAMPUS ARBORETUM WALK** (*1,300 trees with over 70 different species*):

1:00 pm

2:00 pm

★ **2. NORTH CAMPUS HISTORIC DISTRICT TOUR** (*walk through the historic district of UMass Lowell's North Campus with a blend of buildings over 100 years old and new construction*):

1:00 pm

2:00 pm

★ **3. INSIDE THE NUCLEAR REACTOR** (*short safety presentation followed by experiencing the glow inside our reactor*):

1:00 pm

2:00 pm



FALL 2024 SPEAKER BIOS

SESSION #1: THE NUCLEAR OPTION FOR DECARBONIZATION (PANEL)

MODERATOR:



JEAN ROBINSON Associate Vice Chancellor for Facilities Management, **UMass Lowell**

Jean is responsible for overseeing the Facilities Management organization, comprised of three primary groups with a staff of 180: Facilities Planning, Design and Construction (campus and space planning, capital projects planning, real estate, design and construction), Operations and Services (day-to-day maintenance, repair, housekeeping, trades, grounds and energy), and Facilities Management Business Operations (procurement, budgeting, asset management and personnel).

Jean has been at UMass Lowell since 2005 and has over 30 years of experience in facilities management and daily operations. She has a Master's degree in Business Administration, is a licensed Massachusetts Construction Supervisor, Certified Educational Facilities Professional, maintains a Building Operators Certificate, and is a Designated Massachusetts Certified Public Purchasing Official (MCPPO).

Jean is committed to continuous collaboration with the campus community and incorporating student success into the philosophy of the facilities department.

PANELISTS:



DANIEL ABRAHAMSON Energy Manager, **UMass Lowell**

Dan Abrahamson is the Energy Manager for the University of Massachusetts Lowell. As part of the Facilities Operations and Services team, Dan helps manage the University's \$13 million utility budget through energy efficiency and demand management initiatives. In addition, he works to build the campus's alternative energy portfolio to achieve the goals of UML's Climate Action Plan and the Commonwealth's Executive Order 594. Dan holds an M.B.A. focused in Accounting from the University of Massachusetts Lowell and a B.S. in Construction from the University of Massachusetts Amherst. He is currently a Certified Energy Manager through the Association of Energy Engineers.

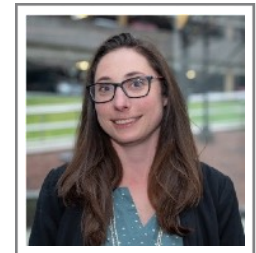


SUKESH AGHARA Associate Dean of Graduate Studies and Research for the College of Engineering, **UMass Lowell**

Dr. Sukesh Aghara is an Associate Dean of Research and Graduate Studies for the Francis College of Engineering. A Professor and Director of the Nuclear and Chemical Engineering at University of Massachusetts Lowell.

He directs the Integrated Nuclear Security and Safeguards Laboratory (INSSL) at UMass Lowell and he serves as a Nuclear Security Fellow with Center for Terrorism and Security Studies (CTSS). Prof. Aghara co-directs the Intercontinental Nuclear Institute (INI), an IAEA funded international training program in nuclear technology.

His research group, INSSL uses experimental and computational tools to understand the mechanisms of radiation interactions and transport. The group focuses on characterization of radiation fields; evaluation of reactor fuel isotope inventory; cyber-physical nuclear systems modeling and simulations, nuclear security, safeguards, and non-proliferation. INSSL has funded research on assessment of cybersecurity vulnerability of nuclear plant systems, modeling and simulation of safeguards inspections effectiveness and assessment of nuclear reactor applications for decarbonization solutions.



SUZANNE WOOD Associate Director of Sustainability & Campus Services, **UMass Chan Medical School**

Suzanne Wood is a dedicated sustainability professional with a strong background in facilities management. At UMass Chan Medical School she leads the Office of Sustainability and drives campus sustainability and decarbonization efforts, focusing on reducing energy and carbon emissions through innovative strategies and technologies. Suzanne's additional responsibilities include Campus Services where she plays a pivotal role in integrating sustainable practices into key areas such as parking, access control, distribution services, transportation, food service, and fitness facilities.

FALL 2024 SPEAKER BIOS (CONT'D)

SESSION #2: TURNING GREEN SPACE INTO STUDENT SUCCESS

PRESENTERS:



RICHARD YEAGER, AIA *Director of Planning and FIS, UMass Lowell*

Richard Yeager has over 35 years of professional experience working as an architect and administrator for university campuses. He has managed an extensive number of academic projects, has a strong background in preservation, and extensive experience in the renovation of numerous historic buildings throughout his career.

As UMass Lowell's Director of Planning and Facilities Information Systems (FIS), he oversees a campus of 150 acres and 4.9 million gross square feet of space where he and his team of programmers, planners, and GIS specialists are responsible for all Master Planning, Studies, Assessments, Space Management, GIS, and Project Initiation.

From 2018 until August 2024, he was Director for Campus Planning and University Architect at UMass Amherst and oversaw a campus of 1,450 acres and 13.4 million gross square feet of space. Prior to UMass Amherst, he was the Assistant Director of Planning and Design at Boston College and led a design staff that oversaw BC's physical campus of over 150 buildings.

He remains active within the architectural community through teaching, membership, and Board roles. Mr. Yeager majored in architecture and received his Bachelor's Degree at the University of Virginia and his Masters of Architecture at Yale University.

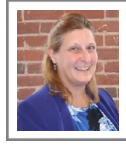
KEVIN BLOCK *Grounds Operations Manager, UMass Lowell*

Kevin Block has been at UMass Lowell as their Grounds Operations Manager for almost 3 years. He is a Certified Educational Facilities Professional (CEFP) through APPA and is a certified Arborist through the state of Massachusetts and the International Society of Arboriculture. He has a Master's Degree in environmental management and sustainability from Harvard University, as well as 15+ years of supervisory responsibility in grounds management, horticulture, arboriculture, and conservation. Prior to UMass Lowell, Kevin worked as a Horticulturist and Grounds Manager for Philips Academy – Andover, Trustees of Reservations-The Stevens-Coolidge Place in North Andover, MA, and the Arnold Arboretum of Harvard University in Boston.

FALL 2024 SPEAKER BIOS (CONT'D)

SESSION #3: USING AUTOMATION TO ALLEVIATE SKILLED LABOR BURDEN (PANEL)

MODERATOR:

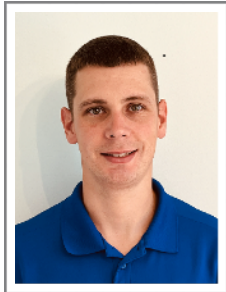


JEAN ROBINSON Associate Vice Chancellor for Facilities Management, **UMass Lowell**
(see page 3 for bio)

PANELISTS:



DANIEL ABRAHAMSON
Energy Manager, **UMass Lowell**
(see page 3 for bio)



JAMES SANTANGELO
Energy Management Systems Tech,
UMass Lowell

James R Santangelo is the Energy Management Systems Technician at UMass Lowell. A Master Electrician with nearly 20 years of combined experience in electrical, energy management, building automation, and HVAC trades. He maintains, installs, and operates the Automated Logic control system at UMass Lowell.

He has worked in many facilities in and around the Boston area including schools, universities, hospitals, hotels, and housing authorities. He has attended many courses on Ddc Control Systems, advancing his knowledge of software programming, graphics, engineering, and commissioning of DDC Control Systems. He has a formidable passion for building automation and performing energy saving measures and projects.



RANDY BRANSON Director of MEP Operations, **UMass Lowell**

With over 50 years in the HVAC industry and 40 years specializing in Building Management Systems (BMS), Randy is a seasoned expert with extensive experience that encompasses a broad range of HVAC and BMS applications. For the past 18 years in Randy's many roles at UML, and now as the Director of MEP Operations, Randy and his team have been at the forefront of enhancing facility management through innovative solutions and cutting-edge technologies. leading to significant operational improvements and Energy savings.



CHRISTINE HANNA Sales Engineer, **Automated Logic**

Christine Hanna works for Automated Logic New England branch as a Sr. Sales Engineer. Christine has 18 years of industry experience which began as an HVAC Technician. She has spent 15 years with Automated Logic starting in engineering department doing control drawings, equipment sequences, programing, and graphics before transitioning to outside sales. Throughout her career she has gained knowledge in new construction/renovation of HVAC systems, chiller/boiler central plants, validated laboratory control systems, data centers, healthcare facilities and decarbonization projects.