

EDUCATIONAL GRID

Concurrent Session Schedule

TRACK I: ENGINEERING

TRACK II: ARCHITECTURE

TRACK III: SUSTAINABILITY

TRACK IV: GRAB BAG

THURSDAY, MARCH 15, 2018

SESSION 1

1:30 p.m. – 2:45 p.m.

Newest Technology in Synthetic Turf Fields
Andrew Djajak & Luke Houghton; FieldTurf
This session will explore the options of moving to artificial turf and also the reasons. Not only a cost savings, but it is also better for the environment.

Construction Management — The Miracle and The Menace
Rob Prunier; Harvey Construction
Explore the added value a Construction Manager, and hybrid CM approaches, can bring to capital projects. From concept through occupancy, a CM can prepare facility teams with critical process and building cost strategies to meet the needs of aging and growing campuses in the private and public markets.

Institutional Recycling — Creating a Sustainable System
Krysten Desmond; Casella Waste Systems, Inc., Tyler Arrigo; UMass Lowell; Allison Guerette; Phillips Andover
This presentation will cover best practices when setting up a Zero Sort Recycling program on a residential campus. The presenters will provide an overview of the status of the recycling market with a look inside a Material Recovery Facility (MRF) to see how the recycling is handled, and challenges with contaminated recycling. They will also cover how to set up a successful recycling program and an overview of these components; marketing and signage, communication to the campus and containers with placement.

Key Considerations for Benchmarking Facilities Data
Peter Reeves; Sightlines
We all know making facilities related decisions can be difficult and having data alone is no silver bullet. With the abundance of data available today, what is important is making sure you are collecting the right data and analyzing it in useful way. This session will cover key considerations with regards to how you can translate facilities data to information, utilize benchmarking to provide knowledge and finally put that knowledge into action through data driven decisions. Finally, we will be using our recent work with Southern New Hampshire University as a case study for how this all comes together.

SESSION 2

3:30 p.m. – 4:45 p.m.

Emergency Communication on Campus
Ricky Houde; Notifier by Honeywell
Emergency Communications Systems (ECS) for stand alone schools and/or school campus settings will reference the NFPA 72 Codes, the different parts of ECS and how you can leverage your Life Safety System as your ECS. This session will provide applications like Derryfield School Case Study and the different schools in the area.

The Value of Design Team & Owner Collaboration in Early Design
Mark Freeman & Todd Shafer; Perry Dean Rofers, Monther Mardini, AVP; SNHU, Capital Projects
Joint projected presentation by Design Team and Associate Vice President for Capital Projects at SNHU will highlight the benefits of a collaborative process for programming, design and construction that evolved over several projects on campus using projects to illustrate process.

State of the Art Biomass Boiler Fuels and Heating Systems for Schools, Businesses and Institutions
Jim Van Valkenburgh; Froling Energy
This session will review of the most developed biomass heating market in the world: Austria. What is driving their switch to biomass? How has this movement impacted the country's economy and environment?

Avoiding a Transitional Crisis — Tools for Managing Change to Maintain EHS Compliance
Suzanne L. Pisano, P.E., LEED AP & Jennifer Pisano, EIT; Geolnsight
This session will present some specific case-studies of EHS compliance transitional crisis and the resulting consequences. The root causes of many EHS noncompliance matters, with a focus on management-of-change will be discussed. Examples of self-implemented programs and tools that have helped facilities avoid EHS non-compliance when faced with physical plant or staffing changes will be presented.

FRIDAY, MARCH 16, 2018

SESSION 3

8:30 a.m. – 9:45 a.m.

Latest in Building Automation
David Weaver; Control Technologies
What does smart building IP technology mean for facilities managers? How will this technology and analytics impact the facilities managers' daily roll as well as budget? How to navigate the dramatic changes ahead.

Flooring for the New Campus
Jonathan Stanley; Tarkett North America
This session will review how flooring has an impact on the student's health and achievement; look into the research projects to create a useful process to share with the audience; and review the feedback from an APPA survey which is a final step to the research.

Working Toward LEED Certification in the Cleaning Industry
Kathryn Risotti; Clean-O-Rama
This program will share information on how to gain LEED certification within the facilities/custodial arena. A step by step process will be outlined on how the custodial department can positively impact the points process.

Dimming for Energy Savings
Matthew Greenwood; Rexel, Joe Pero; Lutron
This session will review national energy statistics and design guidelines and then review how dimming light control helps meet energy savings goals, and where to best apply different dimming control technologies.

SESSION 4

10:30 a.m. – 11:45 a.m.

Campus Traffic Safety — A Community Concern
Robert Duval; TFMoran, Inc
One short section of road in Manchester and Hooksett New Hampshire serves as the main entrance to two important educational institutions: the Derryfield School and Southern New Hampshire University. The subject of this talk is how these two separate and distinct institutions, located in two separate and distinct communities, are working together to address their common interest in traffic safety as these institutions and their communities grow and change.

Campus Security; An Overview and Practical Discussion
Don Cherry, Jr.; Allegion
With campus security requests and demands at an all-time high, it is important to take a look at what physical security can mean to various stakeholders. We will discuss in layman's terms, developing and implementing a physical security program, as well as reviewing and modifying existing programs.

Electric Vehicles for Campus
Steven Castrignano; NITCO
This session will look at the positive impacts of using electric vehicles versus gas powered on campuses. Not only is it more cost efficient, but it is also better for the environment.

Renovations to Exterior Building Enclosure to Improve Building Performance
Steven R. Marshall; Gale Associates, Inc.
Many campuses across the United States have buildings that were built before current energy and building codes required continuous air and vapor barriers, or upgraded insulation thermal values. To improve energy savings and interior air quality, many universities have initiated mandatory energy saving requirements for existing buildings. The challenge faced by facilities groups is to determine the cost/benefit achieved within expanding limited funds on specific building enclosure (roofs, walls, windows) improvements. This presentation will describe unique solutions used to improve overall building performance (energy, comfort, and quality) while dramatically improving aesthetics.