



## Monday, October 22, 2018

9:00 am - 11:30 am

### **KAPPA Board of Directors Meeting**

10:00 am - 4:00 pm

### **Exhibitor Set-Up**

Cranberry IV, V, VI

10:00 am - 6:00 pm

### **Conference Registration and Check-in**

11:30 am - 1:00 pm

### **Lunch**

Cranberry I, II, III

1:00 pm - 1:15 pm

### **Break**

1:15 pm - 2:30 pm

### **Keynote Presentation - "Generation Z Goes to College"**

Cranberry I, II, III

Meghan Grace

Generation Z, those born from 1995 through 2010, is rapidly replacing Millennials on college campuses. They have different motivations, learning styles, characteristics, skill sets, and social concerns than previous generations. Generation Z students grew up during the recession and are focusing in on their employment after college. Over the past four years, Dr. Corey Seemiller and Meghan Grace conducted two original, large-scale studies on Generation Z: the Generation Z Goes to College study in 2014, and the Generation Z Stories study in 2017.

This Keynote address will enhance our KAPPA audience's awareness of Generation Z's mindset and goals, and the implications for the college campus, its facilities, and the education provided.

2:30 pm - 2:45 pm

### **Break**

2:45 pm - 3:50 pm

### ***Character Matters: Why Integrity is the Foundation of Good Leadership***

Justin Mears, LeadOff, LLC

### ***LEED v4 & Beyond: An Overview of GBCI Sustainability Programs***

Heidi Kunka, U.S. Green Building Council

### ***Facility Emergency Preparedness and Active Shooter***

Michael McGrory, ServPro of Upper Bucks

Much of the time we spend on leadership development examines the competenciesThe Green Business Certification Institute,Disaster preparedness is critical for anyone and strengths necessary for good leadership,sister organization to the US Green Buildingresponsible for buildings of any type. This while often generalizing the necessity ofCouncil, now manages multiple sustainabilitypresentation will discuss how to prepare for character and integrity. This presentationprograms, in addition to LEED. Thisany type of natural or man-made home-, seeks to examine what we mean bypresentation will provide an overview of eachbuilding-, or business-related disaster, character and integrity, what role properof those programs. TRUE Zero Waste is aincluding active shooter situations. Join your habituation of “virtues” plays in becoming ourrating system that defines, pursues, andpeers for a discussion about disasters best selves, and how all of this is connectedachieves diversion rates of 90%. Arc is aninvolving fire, water, and biological hazards, to our ability to properly understand what aonline platform that measures their buildingand a special active shooter emergency life of striving for integrity looks like. It willperformance in five categories. SITES is aresponse discussion. then explain how properly-habituated virtuesrating system for sustainable landscapes. are necessary for true influence and forPEER focuses on resilient and sustainable gaining the respect and trust of those you areelectricity infrastructure. Finally, Parksmart isA version of this presentation was presented leading. a rating system for sustainable parkingat the Community Associations Institute garages.

Justin Mears has been published in a leadership textbook issued to all Midshipmen at the United States Naval Academy.

*\* This presentation is not currently certified as an AIA continuing educational credit, but it may become so prior to the Conference.*

National Conference in May, 2018, in Washington, DC. Michael McGrory and Sean McCabe are certified active shooter trainers.

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4:15 pm - 6:15 pm

### **Business Partner Networking Reception**

Cranberry IV, V, VI

6:30 pm - 8:30 pm

### **Dinner**

Cranberry I, II, III

8:30 pm - 9:30 pm

### **Exhibitor Break-down**

Cranberry IV, V, VI

## **Tuesday, October 23, 2018**

7:00 am - 7:55 am

### **Breakfast**

Cranberry I, II, III

8:00 am - 9:05 am

### ***Track 1: "What Makes a Campus? Unconventional Design Approaches"***

Vern McKissick, McKissick Associates  
Henry Brunett, McKissick Associates  
Reb Brownlee, Pennsylvania Highlands  
Community College

### ***Track 2: "Transforming Existing, Iconic, Landmark Buildings into Modern, High-Performance Buildings"***

Dr. Robert Sroufe, Duquesne University  
Craig E. Stevenson, AUROS Group

### ***Track 3: "The Light of Your Life: The Potential Effects of Light on Our Mental and Physical Health"***

Jennifer Harrington, Barton Associates, Inc.

Pennsylvania Highlands Community College, in Johnstown, PA, is increasing its physical presence in Blair County by creating a new "campus" within the Logan Valley Mall in Altoona, PA. The decline of shopping malls has created a unique opportunity for colleges and universities. Malls contain a plentiful supply of comparatively inexpensive space that comes with features particularly advantageous for higher education. This presentation will share "lessons learned" with the expansion into the Logan Valley Mall.

One challenge for universities today is to cost-effectively modernize building performance (indoor environmental quality, energy consumption), but to still preserve these structures' iconic image. This presentation discusses an approach used to transform Duquesne University's Rockwell Hall into a high-performance building. This presentation will cover: (1) identifying possibilities for modernizing building performance, (2) justifying the investment, and (3) measuring final building performance.

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This presentation will explore how the shift from living in a naturally-lit environment to one dominated by electric light has affected both our mental and physical well-being. We will discuss how the trend for living in "cities that never sleep" has only amplified our innate need to be connected with natural light. We will investigate recent advancements in LED lighting technology that may be able to provide the best of both worlds. Case studies and examples will focus around the educational environment.



9:20 am - 10:25 am

***Track 1: "The Cathedral of Learning: The Modernization of an Historic Landmark"***

Sean Sheffler, LGA Partners  
Jonathan Glance, LGA Partners  
Matthew Rendulic, University of Pittsburgh  
Jim Kosinski, Tower Engineering

***Track 2: "Lean Last Planner System® Applied to Design: Illustrating Owner Benefits"***

Bryan Wahl, Bostwick Design Partnership  
Daniel Polak, Bostwick Design Partnership

"Lean" is a methodology which focuses on

***Track 3: "Power System Studies: Arc Flash, Overcurrent Protection, and Short-Circuit Analysis"***

Michael Croud, RPA Engineering

This presentation will outline what is required to keep electrical infrastructure in

<p>The Cathedral of Learning, a renowned landmark, is the centerpiece of the University of Pittsburgh's campus. The building is undergoing a floor-by-floor renovation to modernize it and to increase efficiencies in space utilization and energy consumption. Individual renovation projects involve temporary relocations, reconfiguration of space, abatement of hazardous materials, the use of pre-fabricated wall systems, and a mechanical overhaul involving steam-to-hot-water conversion and ducted air delivery.</p> <p><i>* This presentation is not currently certified as an AIA continuing educational credit, but it may become so prior to the Conference.</i></p>	<p>removing waste by focusing on optimizing process and resource flow. Last Planner System (LPS) is a tool which methodically breaks down the work from the masterplan level to the daily level, utilizing pull methodology, constraint logs, and weekly review of tasks. LPS in the design phase creates clarity, allowing risks to be evaluated at the right moment. In several case studies, this presentation will show how LPS in the design phase can benefit owners.</p> <p><i>* This presentation is not currently certified as an AIA continuing educational credit, but it may become so prior to the Conference.</i></p>	<p>accordance with NFPA 70, NFPA 70E, and OSHA. The presentation will detail when and how often a power systems study should be conducted to be in compliance, and provide an overview of the process for analysis. The presentation will conclude with case studies of different applications for the analysis.</p>
<p><b>Track 1: "The Flexible Lecture Hall"</b></p> <p>Brent Houck, Perfido Weiskopf Wagstaff + Goettel Steve Morgan, Carnegie Mellon University</p> <p>Questions have been raised in recent years about lecture halls with tiered floors. They can be inefficient, needing heights that consume two stories, and have fixed seating that is not conducive to group study. Still, rooms with tiered-floor geometries are generally best for lectures for large classes. This presentation examines a new approach that provides flexibility while preserving the advantages of the traditional, tiered lecture hall. A recent renovation at Carnegie Mellon University will be used as a case study.</p> <p><i>* This presentation is not currently certified as an AIA continuing educational credit, but it may become so prior to the Conference.</i></p>	<p><b>Track 2: "What's Under Your Campus?"</b></p> <p>John Stipe III, RETTEW Felicia Bechtel, RETTEW / Enviroscan</p> <p>The knowledge of what's underground can guide project designs and timelines, and can save time, money, and headaches. This presentation will walk through four campus case studies:</p> <ul style="list-style-type: none"> <li>• The use of an interactive, digital "document" containing the location of all underground pipes/lines</li> <li>• The use of seismic refraction micro-tremors to define the site soil classification</li> <li>• The use of FlowMetrix digital leak detection to discover underground leaks</li> <li>• The use of micro-gravity surveys to find anomalies, such as back-filled mines and mine tunnels</li> </ul>	<p><b>Track 3: "Glycol-Treated Closed Loops"</b></p> <p>Patrick Guccione, Chem-Aqua, Inc. Stephen Bard, Chem-Aqua, Inc. Randy Tressler, Penn State New Kensington</p> <p>Most campuses have multiple closed-water loops: for heating water (HHW), for chilled water (CHW), and/or for combined systems. In Pennsylvania, it is a common to treat these systems with glycol to keep them from freezing during the winter. This presentation will discuss case studies at Penn State's New Kensington Campus, and will address: basics of glycol treatment, differing types of glycol, maintenance of glycol treated loops, and identifying and avoiding problems with glycol before they happen.</p> <p><i>* This presentation is not currently certified as an AIA continuing educational credit, but it may become so prior to the Conference.</i></p>

10:40 am - 11:45 am

11:45 am - 1:00 pm

12:30 pm - 1:30 pm

**Luncheon and Adjournment**

Cranberry I, II, III

**KAPPA Board of Directors Meeting**

*\* This presentation has been certified for PE and PG continuing education credits. It may also become eligible for an AIA continuing educational credit prior to the Conference.*