

Wednesday, October 25

1:15 pm – 2:15 pm

*This Session is for USG and Institution Staff Only – Thank You*

**A Discussion of the Review of BOR Policy Manual,  
Section 9 – Facilities**

Facilitator: Michael Rickenbaker

Presenters:

Michael Rickenbaker, University Architect & Director of Facilities Planning, Georgia College

Daniel Nemas, RA, LEED AP, Assistant Director of Capital Planning & Space Management, Georgia Tech

Shannon McGhee, Director of Real Estate Services, USG

Description:

The Board of Regents Policy Manual is under review. Please join members of the working group charged with coordinating the review of *Section 9 – Facilities* to discuss current policies and institutional feedback received to date. Audience participation is encouraged.

Target Audience:

All University System of Georgia Staff.

Thursday, October 26  
9:30 am - 10:30 am

**Session 1 - Eligible for 1.0 LU (AIA)**

**University of Georgia Historic Preservation Master Plan**

Facilitator: Michael Miller

Presenters:

Scott Messer – Director of Historic Preservation, University of Georgia

Description:

Presentation of development process, outcomes, and developed procedures for the University of Georgia's Historic Preservation Master Plan.

Target Audience:

Facility officers, administrators, and consultants involved in cultural resources management activities (Historic Preservation and Archeology).

**Session 2 - Eligible for 1.0 LU (AIA)**

**Building Envelope Applications Utilizing Drone Technologies**

Facilitator: Samson Oyegunle

Presenters:

Ray Ramos, PE, RRC President/Owner Raymond Engineering-Georgia, Inc.

Description:

The use of drones can significantly improve your ability to evaluate potential issues with the exterior and/or roof of your building. This presentation will cover the history of drones and include real world examples of the benefits of using drones for this purpose. An exterior demonstration of drone operation is also planned.

Target Audience:

Facility managers, project managers, architects, engineers, etc.

**Session 3 - Eligible for 1.0 LU (AIA)**

**Energy, Daylight, Glare & Comfort: Bringing It All Together**

Facilitator: Teresa Higgins

Presenters:

Sandeep Ahuja - CEO Pattern r+d

Marguerite Abd El-Shahid, Program Manager, University System of Georgia

Description:

The human body interacts with a building in a holistic manner. Our productivity depends on combination of factors that include comfort, daylight, and air quality. By analyzing the interaction of these different metrics, we can better create spaces that lead to higher productivity. This interactive presentation proposes a holistic methodology that uses industry standard energy and daylight modeling tools in a unique fashion. This method provides feedback in terms of energy, daylight, glare, comfort and cost performance. The presentation will showcase various case studies using this holistic methodology to create affordable, high performance building designs.

Target Audience:

This session will appeal to those involved with the design and/or maintenance of educational facilities.

Thursday, October 26  
11:00 am – 12:00 pm

**Session 1**

**10 Things You Can Do 10 Years After Your EPA  
Peer Audit**

Facilitator: Sheres Johnson

Presenters:

Cynthia Olley, HRP and Associates

Description:

In 2007, the University System of Georgia joined over 100 colleges and universities in the southeast in an Environmental Peer Audit Program. A key feature of the Peer Audit Program was the utilization of the EPA's Audit Policy to achieve a waiver of gravity-based penalties if campuses met each of the agreement elements. This session will involve a discussion of the key aspects of the 2007 EPA agreement and methods you can use today to ensure you continue to uphold this agreement and sustain environmental compliance on campus.

Target Audience:

Campus personnel

**Session 2 - *Eligible for 1.0 LU (AIA)***

**Introduction to Mass Timber Construction**

Facilitator: Jim James

Presenters:

Paul Coats, PE, CBO Southeast Region Manager, American Wood Council

Description:

Cross-laminated timber (CLT) has been in use worldwide for over 15 years, but most notably in Europe. Building with CLT has increased in popularity for many reasons including: just-in-time fabrication and job site delivery, speed and efficiency in construction, reduced job site noise and on-site labor force, substitution of high embodied materials with a renewable resource that sequesters carbon, and creating a living or work space that has the aesthetics of exposed wood.

The recent introduction of CLT in the 2015 National Design Specification® for Wood Construction (NDS®) and the 2015 International Building Code has opened up an exciting new chapter in wood construction. The use of CLT alone or in combination with other mass timber elements, such as glued laminated timber (GLT), nail laminated timber (NLT), or structural composite lumber (SCL), is becoming more common in buildings complying with the current code. There is also an effort underway by the International Code Council (ICC) to recognize the use of mass timber elements in taller, combustibles construction through the work of the ICC Tall Wood Ad Hoc Committee. This presentation will provide an introduction to CLT including relevant design standards and code references. Examples of various mass timber buildings around the world will be provided and potential future code provisions relating to mass timber will also be discussed.

Target Audience:

Design Professionals and Code Officials.

Thursday, October 26  
11:00 am – 12:00 pm (continued)

**Session 3 - Eligible for 1.0 LU (AIA)**

**Planning for Success: Planning and Programming STEM Facilities**

Facilitator: Kelly Wilson

Presenters:

Tim Reynolds, PE; Principal & Studio Leader, TreanorHL Science & Technology  
Patrick Jones, AIA, LEED AP BD+C; Principal

Description:

Educational and informative presentation with interactive elements. Topics to be covered include:

1. The issues and challenges affecting planning and design of higher education STEM facilities.
2. Use of a proper planning and programming process to ensure a successful project.
3. Current trends in Higher education science facility planning and design

Target Audience:

University and college facilities personnel, university architects, planning, design and construction project managers and staff.

Thursday, October 26  
1:30 pm – 2:30 pm

**Session 1**

**Road Map for "Making the Most" Rather Than "Making Do"**

Facilitator: Alan Travis

Presenters:

David R. Moore, II, AIA, ALA, LEED AP BD+C Principal, Higher Ed Studio Director, McMillan Pazdan Smith

Description:

Economic pressures on institutional funding sources have resulted, in many cases, cutbacks, delayed or deferred projects, thereby forcing academic institutions to take a second, closer look to ensure that their facilities are achieving their best and highest use. This educational session will focus on how to increase the capacity, efficiency and functionality of higher educational libraries without adding a single square foot. By "making the most" rather than just "making do", the library is poised for both current and future use. The results will amaze you!

Target Audience:

Facilities operations and management personnel

**Session 2 - *Eligible for 1.0 LU (AIA)***

**Roofs: The Good, The Bad, & The Ugly**

Facilitator: Samson Oyegunle

Presenters:

Ray Ramos, PE, RRC, President, Raymond Engineering-Georgia, Inc.

Description:

This session will include a discussion of roof issues resulting from poor design, construction, and maintenance. Warranties/guarantees and databases will also be covered. The presentation will include pictures that demonstrate the various types of issues and the subsequent failures that have resulted from many of these problems.

Target Audience:

Facility managers, architects, engineers, maintenance and inspectors

Thursday, October 26  
1:30 pm – 2:30 pm (continued)

**Session 3 - Eligible for 1.0 HSW LU (AIA) and GBCI Credit**

**Performing at a Higher Level -  
Healthy Buildings for Your Campus**

Facilitator: Marguerite Abd El-Shahid

Presenters:

Shelby Busó, Director U.S. Green Building Council – Georgia

Kat West, Sustainability Manager and WELL Building Expert, Jones Lang LaSalle

Susan Kidd, Executive Director Center for Sustainability, Agnes Scott College

Description:

University campuses offer a unique opportunity to drive progress at the intersection of sustainability, education, public health, and the built environment. Shelby Busó will highlight national examples of universities that have rolled out holistic campus sustainability plans, including a recent partnership between Kennesaw State University and Agnes Scott colleges incorporating sustainability into the KSU curriculum for a semester-long hands-on sustainability project on Agnes Scott's campus. Kat West will discuss two tools gaining traction as viable solutions to high performance and healthy building initiatives: the WELL Building Standard and ASHRAE Standard 189.1. Finally, Susan Kidd will share the success of a practical application on their campus that has added value to their sustainability goals and mission of the Agnes Scott Green Revolving Fund (GRF).

Target Audience:

Capital Planning, Campus Planning, Campus Architects, Construction Managers, Project Managers, Student Life Representatives and all with an interest in sustainability.

Thursday, October 26  
3:00 pm – 4:00 pm

**Session 1 - Eligible for 1.0 HSW LU (AIA)**

**Influence of Design on the Learning Environment**

Facilitator: Sharon Ferguson-Pope

Presenters:

Carol Crane, Vice President of Higher Education, Knoll  
Jon Czerwinski, Higher Education Manager – Southern Division, Knoll

Description:

A discussion of how a pre and post move-in study with the Wake Forest School of Business resulted in a better understanding of the link between design, student satisfaction and perception of the institution.

Target Audience:

Campus Planners, Facilities Design and Construction Professionals, College and University Leadership and Faculty, Architects, Designers, Facilities Planners

**Session 2 - Eligible for 1.0 LU (AIA)**

**Design-Build Case Study Using Assemble Systems During Preconstruction**

Facilitator: Ron Reed

Presenters:

Connor Burke, Senior Estimator, Education Operations, McCarthy Building Companies  
Scott Lawrence, Project Director, McCarthy Building Companies  
Mark Cleverly, Preconstruction Director, McCarthy Building Companies  
Meghan Kocikowski, Senior Project Manager, GSFIC  
Ina Bachmann, Director of Higher Education Studio, Wakefield Beasley & Associates

Description:

Assemble is the web-based 3D solution that lets you extract meta data, add coding, collaborate, and connect. This allows project personnel to make better decisions and deliver projects on time and in budget. Two project case studies will be highlighted to show how Assemble can be used during preconstruction on higher education projects: the South Orange County Community College District's Advanced Technology Education Park (ATEP), a \$17MM design-build classroom project, and Chattahoochee Technical College's Health Science Building, a \$19MM CM-at Risk teaching laboratory and classroom building. Assemble provides a highly collaborative process with the design team and owner, with nearly instant feedback on design changes and a GMP below budget. Revit and Assemble can be used together to expedite the take-off process making them faster, more efficient, and ultimately more accurate. Using these programs improves your ability to extract precise measurements, counts, areas, building systems, structural systems, etc., and seamlessly integrate the information into your estimates.

Target Audience:

Owners, End Users, Architects, Design Consultants, Contractors, Subcontractors

Thursday, October 26  
3:00 pm – 4:00 pm (continued)

**Session 3 - *Eligible for 1.0 LU (AIA)***  
**Commissioning for Building Envelope Issues**

Facilitator: Mark Kitta

Presenters:

Darren Draper, PE, CxA, Principal/Director of Commissioning, The Epsten Group  
John Jefferson, Project Executive, GSFIC

Description:

This session will include an overview of envelope commissioning, how it is implemented at each project phase, and common issues that commissioning can uncover and resolve. A series of case studies will be used to point out specific scenarios where facilities had negative impacts that were ultimately mitigated.

Target Audience:

Campus capital construction directors, facility managers, maintenance managers, project architects and project managers.



**Friday, October 27**  
**10:00 am – 11:00 am**

**Session 1**

**USG Contracting: Public Works vs Construction & Best Practices for Preventative Maintenance and Disaster Services**

Facilitator: Teresa Higgins

Presenters:

Jim Barnaby – USG Strategic Sourcing Director, Fiscal Affairs, USG Board of Regents  
David Sims – Assistant Vice President of Facilities, Middle Georgia State University

Description:

This session will be an overview of public works vs construction contracting, preventative maintenance best practices, and experience and lessons learned on contracting disaster services and preparing the proper documentation to increase likelihood of FEMA reimbursement for losses from a natural disaster.

Target Audience:

Contract Officers, Purchasing Managers and Facilities Operations Staff

**Session 2**

**Events: One Stop Shop**

Facilitator: Mark Kitta

Presenters:

Stephen Morse, Senior Director of University Support Services, Columbus State University

Description:

This session will dive deeper on how events require more than just tables and chairs on campus and how our department works with faculty, staff, and students throughout the University by providing a "one stop shop" from booking space to cleaning the building, to designing signs, scheduling security, to ensuring plant operations has air and heat set for the event.

Target Audience:

Facility Managers, Campus Planning, Student Life Representatives, Event Services, and all with an interest in University Collaboration.

Friday, October 27  
10:00 am – 11:00 am (continued)

**Session 3 - *Eligible for 1.0 HSW LU (AIA)***

**Campus Rehabilitation Revisited,  
What's Old Is New Again**

Facilitator: Michael Miller

Presenters:

Michael Miller, Program Manager, USG  
Alan Travis, AVC Planning & Management, USG  
Karen Gravel, Principal & Architect, Lord Aeck Sargent

Description:

- Review system facility assets and scope of rehabilitation needs and opportunities.
- How can historic buildings and spaces be compatible with contemporary space demands?
- Examine need for precise planning for rehabilitation of older buildings.
- Discuss funding implications, opportunities, and constraints; imperative for high value investment.
- Learn latest Architecture, Engineering, and Construction (“AEC”) best practices and rehabilitation design, construction, and operations technologies.
- Review case studies of new mixed-use rehabilitation projects from Georgia and elsewhere.

Target Audience:

USG business officers and USG facility personnel as well as potential AEC project teaming partners