



**Institute for Facilities
Management**

**January 6-9, 2025
Fort Worth, TX**

Elective Catalog

Tuesday, January 7, 2025

1:10pm – 2:20pm

Select 1 session from this group

275: Lions, Tigers & Bed Bugs, Oh My! (Integrated Pest Management)

Faculty: Ed von Bleichert

Recent infestations of bedbugs have caught the attention of campus residence managers throughout educational facilities. Explore the methods to prevent bed bugs, best practices in response once they've been found, and outreach programs for communications to students and parents. The session will address other pests and pesticide programs and provide opportunity for participant discussion on specific issues on their campuses.

443: Design Standards

Faculty: Sadie Greiner

Learn how to communicate to the design consultant your campus needs in a new or renovated building. Review how to develop a set of institutional guidelines and standards for design consultants to utilize in the design of a campus project and how to contractually bind the consultant to your guidelines and standards. Discuss how to create feedback loops, for revisions to the standards, from the maintenance and custodial organizations and other stakeholders.

633: Cybersecurity

Faculty: Tom Rodgers

In this session we will cover general cybersecurity management of Operational Technology systems. Over the last several years, Industrial Internet of thing (iiOT) devices and evolution of Internet Protocol (IP) based systems have been more prevalent. As Building Automation Systems (BAS) evolve, we need to take a risk-based approach to securing those devices and follow NIST guidelines whenever possible. We will talk about some ways to mitigate risk including, network segmentation, vulnerability and Identity and Access Management.

701: Building Civility in the Workplace

Faculty: Jamie Gayer

It's time to shift the language on focused tips on how to build civility in the workplace and do a deeper dive into how it builds communication and community. Shifting away from the broad scope originally covered in 'Creating a Culture of Respect' and deepening the resources provided to help people navigate being uncomfortable.

Tuesday, January 7, 2025

2:40pm – 3:50pm

Select 1 session from this group

515: Business Communications

Faculty: Mary Vosevich/Lindsay Wagner/Jamie Gayer

Learn the elements of effective written and oral communication. This class addresses style, audience analysis, format, presentation, and delivery. It will also cover effective communication strategies for presentation and delivery. Effective communication strategies for professional settings will also be discussed. Learn the difference between 'your need to tell' and 'your audiences' need to know'.

545: Designing for Maintainability

Faculty: Joel Sims

Discuss procedures to assure that institutions achieve the best overall value from their investment in new or renovated facilities. Understand the balance between aesthetics and durability and how they both play an important role in design. Discuss the evaluation of facility designs based on life cycle costs and learn the questions to ask during the design process so that you help create an overall better product.

702: AI and Machine Learning

Faculty: Tom Rodgers

This course is designed to equip you with a conceptual understanding of AI in facility management, maintenance strategies, and the transformative impact of AI integrations in facilities. You'll learn to understand how to integrate AI into different environments, explore essential maintenance strategies for optimal facility operations, and service support. We also will talk about Smart Buildings - AI Applications and Digital Technologies. We will introduce general concepts of smart buildings and the impact of using existing tools with AI. Students will engage in interactive learning to understand AI and other emerging technology applications in the built environment, with real-world examples.

703: Navigating K-12 Facilities Management: Unique Challenges and Strategic Solutions

Faculty: Lazell Ofield II

This session will explore the distinctive maintenance, and operational challenges faced by K-12 school districts. Unlike higher education campuses, K-12 districts are often geographically dispersed, serve a diverse and younger customer base, and contend with unique financial constraints. Participants will engage in discussions about essential codes and standards, effective planning and scheduling strategies, security concerns, and the financial and business factors that shape facilities management in primary and secondary schools. Attendees will gain insights into how to adapt traditional facilities management approaches to meet the specific needs of K-12 environments.

Wednesday, January 8, 2025

1:10pm – 2:20pm

Select 1 session from this group

520: Project Management

Faculty: Mary Vosevich/Brian Lasey/Gabe Hampton

Project management isn't just about construction but is useful in any project that you are doing. This class will provide an overview of the five process groups of Project Management - initiating, planning, executing, controlling, and closing - and the project manager's roles and responsibilities.

557: Panel Discussion - O&M Trends & Topics

Faculty: Smeds/Zumbrunn/Ofield/Boyette/Flood

This interactive panel discussion will provide attendees an opportunity to discuss emerging trends in Operations and Maintenance with a faculty panel. Come prepared with questions and/or topics of interest you would like to discuss.

APPA's Institute Panel Discussion is an opportunity for the attendee to share their thoughts and experiences on a specific subject. These panels are facilitated by an APPA faculty member who will guide the conversation along the interests of the participants. No formal presentations will be given. All attendees should be prepared to engage in active conversations with their colleagues.

586: Ethics in EU

Faculty: Lindsay Wagner

This elective provides an in-depth review of issues related to electrical systems including planning, construction and workplace procedures, training, risk management, insurance, due diligence, safety, loss prevention, identifying critical systems, and equipment reliability. Case studies will be presented.

660: Integrated Capital Planning

Faculty: Mark Miller

An Integrated Capital Plan sits at the intersection of capital investments and operational funding. Learn how to develop a capital project priority matrix employing TCO and integrating operating and capital budgets to address deferred maintenance and capital renewal.

Wednesday, January 8, 2025

2:40pm – 3:50pm

Select 1 session from this group

631: Trees in the Campus Landscape

Faculty: Tom Flood

Many campuses are defined by their landscape, and specifically their trees. This presentation will provide a technical discussion of grounds related issues with an emphasis on trees and other plantings. Topics will include plant selection, native vs non-native species, maintenance techniques, Integrated Pest Management programs, pesticides and herbicides, and sources of technical support.

645: Emerging Trends in PDC

Faculty: PDC Panel

This class will focus on new and emerging products and materials suitable for use in the construction of higher education facilities. We live in an age where products are being developed at an exponential rate. It is important to keep up to date with new developments.

700: Navigating the Changing Inclusion Landscape

Faculty: Jamie Gayer

Given the changing nature of institutions being able to even talk about DEIB topics, it's timely to talk about the importance of inclusion work and how it happens regardless of what 'words' can be used. This class will still give pertinent tips and resources to help leaders navigate in that workspace.

704: Integrating Advanced Technologies

Faculty: Suzanne Kitten

Come and explore one campus's journey preparing a 10-year path to integrating advanced technologies into existing infrastructure. At Texas Tech, the Operations Division is collaborating across physical plant departments to create a more efficient, sustainable, and connected campus to achieve a unified, streamlined view often referred to as the 'Single Pane of Glass' to enhance the overall campus experience for students, faculty, and staff. Some systems being integrated include central plant, building automation, security, parking and fire.

Thursday, January 9, 2025

1:10pm – 2:20pm

Select 1 session from this group

445: Project Commissioning

Faculty: Jeff Gee

Project management isn't just about construction but is useful in any project that you are doing. This class will provide an overview of the five process groups of Project Management - initiating, planning, executing, controlling, and closing - and the project manager's roles and responsibilities.

513: Maintaining Historic Properties

Faculty: Mark Stanis

Many higher education campuses have facilities designated as historic properties. Using these facilities efficiently, while preserving their historic character can be challenging. This elective course will include such topics as non-invasive maintenance practices, artisan training, preservation techniques, and the value of research.

521: APPA 101

Faculty: Christina Hills

Do you want to be perceived and recognized as a professional in the field of educational facilities management? APPA is the gathering place for those of us engaged in the field of educational facilities management and dedicated to the ongoing evolution of its professionals into influential leaders in education. This course will introduce you to APPA's outstanding programs and offerings. It will also discuss APPA's highly sought-after credentialing program Certified Educational Facilities Professional (CEFP).

658: Emerging Trends and Technologies in EU

Faculty: Sherri Jett

Change is all around us, and the world of energy and utilities is no exception. In this session, participants will hear about what is up and coming in the field of energy and utilities. Innovative technology, shifting governmental requirements can impact the operations (and expense) of energy and utilities.

Thursday, January 9, 2025

2:40pm – 3:50pm

Select 1 session from this group

510: Preparing for Career Advancement in Facilities

Faculty: Don Guckert/Brian Lasey/Gabe Hampton/Panel

A group of Institute faculty who are current or former senior facilities officers will offer their advice on what actions and preparations attendees can take to pursue progressive career paths in the profession. Questions related to education, professional development, leadership development, credentialing, APPA engagement, networking, working across organizational boundaries, serving leadership and colleagues, and other career building topics will be covered. All attendees should be prepared to engage in active conversation.

541: In House Construction

Faculty: Mark Stanis

Discuss effective processes and procedures for providing in-house construction services. Review staffing and organization, workload management and leveling, budgeting, recharge rate structures, billing procedures, and productivity and incentives to perform.

653: Retro-Commissioning - An O&M Perspective

Faculty: Allen Boyette

This session will provide an overall perspective of commissioning and explore the energy reduction and operational benefits found through retro commissioning of mechanical systems in existing buildings. Many facilities managers have found that commissioning teams are able to identify problems areas and improvements to HVAC control and mechanical components with surprisingly positive results to both customer service and operating costs. The discussion will also cover various retro-commissioning approaches as part of a comprehensive sustainability program to reduce carbon impact. The discussion will include commissioning team makeup, process steps, technical scope, financial investment, potential cost savings, and measuring results.

705: Building Performance Standards

Faculty: Mansi Talwar

This course offers a comprehensive understanding of building performance standards (BPS) and their role in promoting energy efficiency and sustainability. It explores essential concepts, compliance strategies, and financial and operational benefits of meeting BPS requirements, including a case study on successful implementation. Financial strategies for funding and managing energy efficiency projects will also be discussed. Participants will gain practical insights to effectively drive energy efficiency, ensure regulatory compliance, and optimize financial outcomes.