Session Descriptions

Alphabetical Order by Title

A Fast, Flexible Approach to Occupancy Tracking Using ArcGIS Indoors and IoT

Derek Lutchko, LandTech Consultants, Inc.

8/5/2025, 2:30:00 PM

Description: This session shows how to quickly pilot occupancy tracking in academic buildings using ArcGIS Indoors. It combines live sensor data with other sources like room schedules or Wi-Fi metadata to visualize real-time and historical trends. Attendees will learn key concepts, a low-cost setup, and how the approach scales from demo to deployment proving the 'last mile' of integration, regardless of hardware choice.

Primary (and Related) Track(s): GIS (System/Data Integration, New or Expanding Technologies, Space and Information Management)

A Living System for a Changing Campus: Build Resilience With What You Have

Alyson Goff & Marc Speed, CampusIQ

8/6/2025, 4:00:00 PM

Description: Facilities operations and capital planning once relied on predictable timelines, enrollment, and funding. Todayâ€™s leaders face shifting modalities, declining students, deferred maintenance, and pressures to optimize space. This session explores how institutions are transforming campuses into living systems using passive WiFi data and AI for smarter, faster decision-making. Through real-world stories, we present a hopeful model: Treating space as a dynamic engine for institutional resilience.

Primary (and Related) Track(s): Space Information & Management (System/Data Integration, New or Expanding Technologies)

AI-Powered Asset Management: Predict Lifecycles & Optimize Capital Planning

Allison McGillivray, FMX

8/6/2025, 2:45:00 PM

Description: Leverage AI to gain unprecedented insights into your higher education facilities' asset lifecycles. Discover how predictive analytics can forecast asset failure, prioritize replacements within your capital plan, and even predict actual replacement dates based on environmental factors. Learn how AI, fueled by IoT data, enhances predictive maintenance and identifies critical asset risks, ultimately optimizing space management and resource allocation.

Primary (and Related) Track(s): New or Expanding Technologies (IWMS, Space and Infomation Management, System/Data Integration, IWMS)

Automated Space Planning for Higher Ed: Revolutionizing Efficiency

Lissa Munoz, Texas Tech University Operations Division

8/5/2025, 3:30:00 PM

Description: In higher education, efficient space planning is crucial for maximizing resources. Texas Tech University introduces an automated space planning application that revolutionizes space management. Using advanced data analytics, it automates space type and quantity determinations, generating precise outputs and actionable plans. This session explores its development, functionality, and potential to enhance decision-making and optimize space utilization, aligning with institutional goals.

Primary (and Related) Track(s): Space Information & Management (System/Data Integration, New or Expanding Technologies)

Benefits and ROI of Cloud-Based Document Management: Carnegie Mellon Case Study

Nolan Grimes, Carnegie Mellon University & Vivica Williams, archSCAN, LLC

8/5/2025, 2:30:00 PM

Description: Examine the benefits of a Cloud-Based Document Management System through the lens of Carnegie Mellon University. We will discuss where they were in 2018 compared to where they are today. We will look at the advantages of a good DMS such as searchability, accessibility and convenience, collaboration, version control, security, environmental impact, scalability, integration with other tools, and disaster preparedness. Lastly, we will look at the return-on-investment of implementing a DMS.

Primary (and Related) Track(s): Document Management (System/Data Integration, New or Expanding Technologies)

BIM as a Bridge Between Campus Facilities + Curriculum

Janet Schwartz, University of Kentucky

8/6/2025, 11:15:00 AM

Description: At the University of Kentucky, the Facilities Management team saw the value of BIM for asset management and data-driven decisions. With limited staff and budget, we started by leveraging what we had: students, faculty, and coursework. This presentation shares the collaborative approach to BIM implementation and offers a roadmap for turning resource constraints into opportunities.

Primary (and Related) Track(s): BIM

Bridging 360 Degrees: Construction Captures with GIS for Smarter Facility Management

Sue Stewart, UT Austin & Stephen DeVito, Procon Consulting LLC

8/5/2025, 1:30:00 PM

Description: This case study explores how 360 degree photo captures taken during the normal course of a construction project can be extracted, transformed, and loaded from OpenSpace.ai to ArcGIS using a custom JSON script and ArcGIS's native oriented imagery functionality. UT Austin and Procon demonstrate how this improves lifecycle asset management.

Primary (and Related) Track(s): GIS (System/Data Integration, New or Expanding Technologies)

Bringing New Dimensions to Campus: Integrating BIM and GIS at Scale

Treavon Clark & Rachel Van Keuren, The Ohio State University

8/6/2025, 1:45:00 PM

Description: What does it take to turn over 600 Revit models into a dynamic, GIS-powered experience? Hear about OSU's efforts to build a BIM to GIS integration using multiple ESRI software, Revit, and Python. This session will walkthrough technical requirements, lessons learned, and unexpected challenges of integrating BIM in GIS at scale. Presenters will touch on automation, the software landscape, and data requirements.

Primary (and Related) Track(s): BIM (GIS, System/Data Integration, New or Expanding Technologies)

Campus Operations GIS at the University of Minnesota

Tobias Fimpel, University of Minnesota

8/6/2025, 5:00:00 PM

Description: This presentation will at first provide a broad overview of how the University of Minnesota leverages ArcGIS technology for campus planning, operations, and utilization efforts. It will then take a closer look at how the University's waste management department uses ArcGIS Online daily to coordinate infrastructure needs across 1,000+ floors and manage waste pickup stops across 400+ buildings. Key software tools involved include ArcGIS, Python, FME -- standard tools many of you are familiar with.

Primary (and Related) Track(s): GIS (System/Data Integration)

Creating a Digital Twin of Sponsored Research Activity with ArcGIS Indoors

Jeffrey Ulricksen, University of Rhode Island

8/6/2025, 1:45:00 PM

Description: The University of Rhode Island is developing a digital twin to visualize sponsored research activity using ArcGIS Indoors, building on the pilot project presented at last year's CFTA Annual Conference. In this session, Jeff Ulricksen, Assistant Director of Spatial Services, will demonstrate how indirect cost rate functions can be mapped and analyzed within ArcGIS Indoors to assess building performance using base year data, supporting more informed space planning and research strategy decisions.

Primary (and Related) Track(s): Space Information & Management (GIS, System/Data Integration)

Developing a Campus GIS Inventory from the Ground Up

Chris Akin, Paratum Solutions & Dean Hansen & Sam Stubbs, University of Mississippi

8/6/2025, 4:00:00 PM

Description: The University of Mississippi was founded in 1844 and has grown to 21,000 students, leading to an ever-expanding campus. This 180-year growth created a need for a complete inventory of all Ole Miss buildings and properties. Come learn how Ole Miss completed a comprehensive inventory of campus buildings and real estate holdings, integrated that data into the University's Planon IWMS, and began their journey into a campus-wide GIS program.

Primary (and Related) Track(s): GIS (System/Data Integration, New or Expanding Technologies, IWMS)

Floor Plan Space/Locations Management with the Leading IWMS and GIS Platforms

Glenn Seehausen, ACAD-Plus, Inc. & Rae Tournay, Carnegie Mellon University

8/5/2025, 1:30:00 PM

Description: Featuring a panel of universities who actively use our AutoCAD/Revit add-ons along with the leading IWMS platforms (Accruent, AssetWorks, FM:Systems, Planon, TMA, and Archibus) as well as with ESRI ArcGIS/Indoors. Panelists will share firsthand insights, tips, and strategies for effectively maintaining floor plans within these ecosystems. Each panelist will present a brief practical illustration, offering actionable recommendations and answering pre-submitted/live audience questions.

Primary (and Related) Track(s): Space Information & Management (IWMS, GIS)

Floorplans to Campus Maps: Transforming Space Management with GIS Integration

Meghan Fitterer, AssetWorks

8/7/2025, 1:00:00 PM

Description: Traditional space management has relied on static floorplans and tabular dataâ€”limiting how stakeholders visualize and interact with space information. This session explores how one campus is evolving beyond floor-by-floor views by integrating GIS with existing space and facilities systems. Learn how this shift enables a campus-wide perspective, streamlines workflows, and supports strategic planning.

Primary (and Related) Track(s): Space Information & Management (GIS, System/Data Integration)

From QA to Cleaning Validation Technology: The Future of Cleaning Operations

Chris Brablc, CrowdComfort

8/6/2025, 10:15:00 AM

Description: Colleges and universities face rising expectations for clean, safe spacesâ€”despite fewer resources and smaller budgets. This session explores innovation in cleaning technologies and how facilities leaders can 'do more with less' using technology to empower staff to boost efficiency, accountability, and stakeholder trust. Learn how to use real-time data to reduce labor inefficiencies, optimize workload distribution, and modernize campus cleaning programs without increasing headcount.

Primary (and Related) Track(s): New or Expanding Technologies

Improve Campus Parking: Enriching User-Experience and Guiding Decision-Making

Jessica Freeman & Kevin Dohner, University of Kentucky

8/7/2025, 1:00:00 PM

Description: Complex parking permit systems can make it difficult to accurately convey where permit holders can park throughout the day while potentially showing outdated information via static maps. Through a collaborative effort, the University of Kentucky created a custom interactive map to better help the campus community find appropriate parking locations. The goal is to simplify user experiences when trying to find parking on campus while improving decision-making processes for Transportation Services.

Primary (and Related) Track(s): GIS

Lessons learned from implementing ArcGIS Indoors

Steve Bowley & Jon Hodel, Cloudpoint Geospatial

8/6/2025, 2:45:00 PM

Description: Are you considering or already working on an indoor mapping project for your campus? Learn how ArcGIS Indoors can support space planning, asset and facility management, and campus navigation. This session shares lessons learned and best practices for implementing ArcGIS Indoors for higher education campuses, including CAD requirements, hosting options, and tips for publishing indoor maps and apps.

Primary (and Related) Track(s): GIS (Space and Information Management)

Modernizing Your GIS: Applications, Automation, and Infrastructure

Treavon Clark & Audrey Cleaver, The Ohio State University

8/5/2025, 3:30:00 PM

Description: Are your GIS users demanding more from your infrastructure? This session tackles the challenges of evolving user needs and provides a clear path forward. We will explore the specific demands driving changes to our GIS applications, automation processes, infrastructure, and data schema. Discover how a strategic focus on 'auditing' can be key to effectively managing these changes while ensuring stability and providing valuable insights into your evolving GIS environment.

Primary (and Related) Track(s): GIS (New or Expanding Technologies)

Navigating the Maze: Politics, Emotions, and Space

Lissa Munoz, Texas Tech University Operations Division

8/7/2025, 9:45:00 AM

Description: Space management in higher education is a complex task involving politics, emotions, and logistics. This presentation explores space management at Texas Tech University, focusing on balancing institutional priorities, stakeholder expectations, and physical constraints. We'll discuss strategies for creating environments that align with the university's mission and enhance the academic experience.

Primary (and Related) Track(s): Space Information & Management

Space Committee, Policy, and Processes, Oh My!

Jennifer McCarthy & Bridget Saul, University of Nevada, Las Vegas

8/6/2025, 10:15:00 AM

Description: UNLV's space committee process has evolved, streamlining policies and operations. This presentation traces its origins, policy development, strategies for organizational buy-in, and the adoption of Salesforce as the transactional and data repository system. It examines infrastructure review, space standard establishment, challenges like resistance, and resulting benefits: improved data integrity, space utilization, awareness of construction, and floorplan changes.

Primary (and Related) Track(s): Space Information & Management (System/Data Integration, New or Expanding Technologies)

The Role of AI and Smart Buildings in University Space and Occupancy Strategy

Vineet Sinha & Russell Garcia, Johnson Controls

8/7/2025, 11:00:00 AM

Description: As colleges and universities face increasing pressure to optimize space, reduce operational costs, and enhance the campus experience, AI and smart building technologies are emerging as critical tools in shaping next-generation space and occupancy strategies. This session will explore how higher education institutions are leveraging connected building systems, real-time occupancy data, and AI-driven insights to create smarter, more adaptive campuses.

Primary (and Related) Track(s): Integrated Workplace Management Systems (Space and Information Management, System/Data Integration, New or Expanding Technologies)

Transforming Your Campus into a "PDF" (Premier Documented Facility)

Matthew Lane & Andrew Hagerman, Hagerman & Company

8/7/2025, 9:45:00 AM

Description: Most campuses today have acquired software for managing their drawings and related documents. But has that software enabled you to truly become a "Premier Documented Facility" so that your staff can always quickly find the correct documentation to perform their work safely and efficiently? For most campuses, the answer is "no". In this presentation, Mr. Lane will share real world experiences and solutions to meet this challenge while dealing with today's reduced resources, budgets and staffing.

Primary (and Related) Track(s): Document Management

UCSF Health Facilities EOC Active Rounding

Preethi Ravindra Kumar, Jhoric De Guzman, & Alan Ladwiniec, UCSF Health

8/6/2025, 11:15:00 AM

Description: Ensure compliance with all FLS standards to Life Safety and Joint Commission Standards. Program promotes a safe, functional, and supportive environment within the hospital building envelope. By integrating IBM Maximo, UC Inspect and ServiceNow, Facilities can track and provide KPI quality reports to meet regulatory compliance. Standards used to build an electronic tool shared with The Joint Commission during survey. EP: EC.04.01.01, EC.04.01.03, LS.02.01.20, LS.01.02.01, LS.02.01.20

Primary (and Related) Track(s): System/Data Integration (System/Data Integration, New or Expanding Technologies)

We Have the What, But What About the Where?

Chris Akin, Paratum Solutions & Colin Johnson & Chad Cavanaugh, Brown University

8/7/2025, 11:00:00 AM

Description: Brown University is undergoing a university-wide endeavor to develop a robust GIS platform to map, verify, and update campus assets. Brown previously implemented Planon's IWMS solution, allowing the university to centralize its facility, asset, real estate, and space information. The University now has a great idea of the "what" across campus, but what about the "where"? By integrating the GIS "where" with the IWMS "what", Brown users will have a wealth of information at their fingertips!

Primary (and Related) Track(s): GIS (System/Data Integration, New or Expanding Technologies, IWMS, Space and Information Management)