Presentation Category	Presentation Title	Presentation Description	Presenter
BIM	BIM to FIM: It's More than Just Technology	As owners receive BIM deliverable as a part of new construction and renovation projects, they are finding is that they have islands of data just waiting to be put together. By defining their Facility Information Model (FIM), they will get a solution to embrace process change, take control of the handover process, and develop a game plan for putting your Facilities Information Model to use.	CADD Microsystems, Inc.
BIM	Model QA/QC Process: How OSU and WMU Ensure They are Receiving Good Revit Models	How do higher education owners make sure they are getting high quality Revit models from their consultants? They implement a sound quality control process! In this session, see how The Ohio State and Western Michigan Universities have customized the Autodesk Model Checker and Classification Manager for Revit to be able to provide these tools to their consultants (as well as use them internally) to easily validate that the models meet their BIM requirements.	The Ohio State University & CADD Microsystems, Inc.
BIM	What it takes to Build, Maintain, and Integrate 27m Square Feet of BIM	This session will discuss the processes, technology, and tools that Ohio State uses to build Revit models from AutoCAD, maintain those models over time, and integrate project models into our environment. Additional focus will be placed on how the Revit data is shared with ArcGIS, including limitations of our current approach. Weâ€™ll wrap up sharing best practices and lessons learned managing a large portfolio of BIM along with current challenges.	The Ohio State University
BIM	BIM4FM UCSF Health Revit BIM Integrated Maximo CMMS	UCSF Health has been on a path to design buildings via integrated project delivery - with much success. Join us in looking at the real-time development of the 175,000 square foot Precision Cancer Medicine Building as it is being Revit 2017 designed, BIM specified and Maximo integrated in order to take advantage of the lifecycle potentials thus offered. Review the tools and software support platforms that all lend themselves to innovative lifecycle operations solutions.	UCSF Health
BIM	Leveraging Project Data in BIMs for Efficient Building Operations & Maintenance	Capturing data in BIMs for import into FM software or real-time synchronizing of BIMs with FM software remains a challenge for facility owners. Using a case study approach, this presentation discusses a 6-step process for BIM-FM integration to help owners answer these questions: WHY should my business engage in a BIM-FM strategy? WHAT data is required? WHAT format should be used to deliver the data? HOW is the data transferred to the CMMS? WHAT should be included in a BIM-FM owner standards?	Virtual Facilities Consulting
BIM	How Contractors Use BIM	This session will cover how to establish strong BIM requirements from both Designers and Contractors to facilitate a successful BIM implementation downstream for future projects. Through the lens of a contractor, it will present details of a BIM assisted university project. The project utilized 3D coordination, prefabrication, and an integrated digital turnover data product. It will present lessons learned and potential challenges of BIM execution in education.	Whiting-Turner Contracting
CAD	CAD to GIS and more for Campus infrastructure data	Is there a disconnect between your CAD & GIS data? Is your asset inventory and utility data incomplete? Are you missing data on the GIS or CAD side, or having to double-enter data? This presentation covers best practices from the experiences and systems being used at MSU, University of Colorado Boulder, Notre Dame, Georgia Tech and others. The solutions enable CAD users to create high quality GIS data from within the CAD, and create a “single source of truth” for utility/infrastructure data.	Open Spatial
Document Management	Round Table Discussion - Digital Archives and Records Retention Laws	Ever run into a file format extension you have never seen because it has not been used for more than a decade? How do we ensure that our digital archives will be readable to future users? This panel (TBD) lead Roundtable is a wonderful opportunity to ask questions and have discussions with our colleagues about policies and recommendations for adhering to records retention laws and maintaining digital archives in our rapidly changing technology oriented environment.	University of Kentucky
Document Management	3D Laser Scanning for In-House Remodel Projects	Using a 3D scanner and software allows for accurate and quick field measuring and data collection that benefits the remodel design team. Things we will talk about are best practices on scanning setup and data collection, how we process the data and import RECAP files into REVIT for updating building models.	University of Wisconsin - Madison
GIS	How Does Your GIS Rank? UNT's GIS Assessment Using GIS Capability Maturity Model	The University of North Texas is using URISA's GIS Capability Maturity Model assessment to review, assess, communicate, and grow the maturity of their Enterprise GIS. The GIS CMM helps: - Communicate program accomplishments to management - Create program champions - Determine improvement/investment needs - Provide program planning input - Support budget requests - Realign operations and services - Improve departmental communication and collaboration You can do it, too...and it's free!	University of North Texas & Dunaway Associates
GIS	Round Table: Building the Campus GIS from Ground Up	Given that the potential user base and functionality of GIS is larger than it's ever been, building a University's Campus GIS from the ground up can be an intimidating task. This panel of experienced Campus GIS professionals will discuss topics that include, but are not limited to, establishing a foundational enterprise geodatabase, setting realistic short and long-term goals, prioritizing data collection, and achieving quick successes with your internal users to establish support.	Johns Hopkins University and Medicine
GIS	Smart uses for your smart phone - Mobile GIS apps	This presentation will discuss how mobile technology can benefit campus employees with tasks such as asset inventories, project tracking, and inspections and reporting. We will go through how QR codes can be set up on assets with links to mobile applications to retrieve certain information or to perform typical inspections. These work efforts can be tracked in real-time through interactive web applications, along with generating custom formatted reports of information collected in the field.	Langan Engineering
GIS	Using Mobile LiDAR data as a base for an AM/FM solution at Penn State University	Langan used its mobile LiDAR system to scan PSU's main campus to create a LiDAR point cloud. All AM/FM features were extracted from the LiDAR data exported into an Esri Geodatabase. Having AM/FM data in a central GIS database, each department can make decisions with the most current data available. Assets are able to be updated in real-time through web and mobile applications such as Collector and Survey123. Users are able to view these updates without any experience in GIS software.	Langan Engineering
GIS	ROI with Facilities GIS: Where Geometry, Geography, and Facilities Data Meet	Any organization that makes an investment has an expectation of benefit and the world of facilities management is no different. Given the costs, scale, value, and risks of facilities to most organizations, an incremental improvement in returns can have enormous financial and mission impact. Learn how geospatial systems play a unique and essential role in providing a significant Return On Investment by marrying geometry, geography, and tabular facilities data.	PenBay Solutions, LLC

Presentation Category	Presentation Title	Presentation Description	Presenter
GIS	Bending the Data Silos with GIS	GIS has historically been a flexible consumer of many different types of data. With the increasing use of Web APIs, this is even more so the case. Campuses may take advantage of this data flexibility to combine applications that may have traditionally been thought of as data silos. We present some applications used on the campus of Ohio State University.	The Ohio State University
GIS	Grounds Management: Synergizing GIS, Institutional Knowledge, & APPA Guidelines	In a climate of high expectations where decisions and operations are data driven, GIS has become a critical tool in Facilities Management at the University of Kentucky. Learn how GIS technologies such as ArcGIS Collector and Web AppBuilder supported the Grounds Department's adoption of APPA Operational Guidelines for Educational Facilities. Results include informed planning, time and staffing metrics, efficient operations, information dissemination, and administrative transparency.	University of Kentucky
GIS	FME for Facilities Management	After nearly a decade of experience using Safe Software's FME (Feature Manipulation Engine) to integrate different data sources into GIS for facilities management, UMass Amherst is exploring new ways of using this technology to do "more with less". In this presentation, we will illustrate our teams approach to developing more automated workflows that allow for the quick and easy gathering of information and quickly providing ways to share that information with those who need it.	University of Massachusetts Amherst
GIS	Taking over Campus Data with GIS	The University of Massachusetts Lowell has taken the application of GIS technology beyond the walls of Facilities Management. UMass will present on data collection, departmental collaboration, and return on investment.	University of Massachusetts Lowell
Integrated Workplace Management Systems	Key Ingredients to an Effective IWMS Search	In this presentation Brown and Dartmouth universities will present the process that they underwent to identify and select an IWMS that best meet the requirements of their Facilities organizations. The presentation will include the process to develop and RFP, scoring of the RFP, on-site product demonstrations and scoring, as well as the internal process to gain acceptance from the FM team and the universities administration.	Brown University & Dartmouth University
Integrated Workplace Management Systems	IWMS and business intelligence, turning data into information	An effective IWMS makes the right data quickly accessible to support critical decision-making. Learn how Lancaster University employs business intelligence to create informative reports to better understand campus operations, what types of reporting are required on both North American and European campuses, and how new technologies are providing more real time data, allowing for quicker analytics and creating better simulations for planning, operations and maintenance for the new smart campus.	Lancaster University & Planon
Integrated Workplace Management Systems	Implementing ARCHIBUS as a Space Management Solution at Stanford Hospital	As a tertiary Hospital with multiple affiliated entities, Stanford Hospital required a complex space management solution for its environment; standard implementation procedures and out-of-the-box solutions used at many leading tech companies could not be easily adopted.This presentation will highlight the key strategies employed and lessons learned implementing ARCHIBUS for Stanford Hospital. We will also discuss the ongoing partnership between the academic medical center and University.	RSC Stanford Health Care
New Technologies	Immersive 360 imagery, VR, & GIS: where integrations are delivering value to FM	This presentation will highlight a "newer" technology to the FM world - immersive 360 imagery and tools available from camera/ technology platform provider Matterport. Immersive imagery allows the viewer to "walk through" the image and closely assess building space and objects or assets within it. One can tag assets in an image and assign a variety of attributes and hyperlinks. Immersive images or "spaces", VR options, and tagged assets can all be integrated with other FM business systems.	Patrick Engineering
New Technologies	A New Frontier for Business Intelligence in Facilities Management	Unmanned Aerial Vehicles (UAV) are positioned as a disruptive technology in facilities management. The University of North Carolina at Chapel Hill partnered PrecisionHawk to explore the use of drones in campus operations. From capturing compelling video for communication, utilizing infrared imagery for inspections, GIS mapping, to reviewing construction site progress the pilot project builds a business case for institutionalizing a drone program as an essential tool for facilities management.	University of North Carolina at Chapel Hill
Space Information & Management	Using Facility Data Collection to Create a 5 Year Capital Plan	In this presentation we will share a simple 5 step process for collecting facility asset data for maintenance and planning. Topics covered will include collecting accurate data without taking your team away from maintenance, creating reports with this data, and using data to implement a preventive maintenance plan.	AkitaBox
Space Information & Management	The three spirits of IWMS: Past, Present, and Future	The needs of modern students and faculty are evolving, and campus facilities and their IWMS software should evolve with it. Modern day IWMS platforms offer easy-to-use, intuitive analytics allowing facility managers, planners, teachers, and students to engage with the software, creating a dynamic campus that everyone expects. The IWMS platform of the future goes further by creating powerful ways to anticipate maintenance needs. Join us in this interactive presentation to learn how to get started.	SpaceIQ
Space Information & Management	Space Management at OSU: What we Do, How we do it, Why we do it	An overview of how Ohio State manages space and building data for both our academic campuses and medical center. Our SIMS (Space Information and Management System) website/database tracks 1,200+ buildings totaling over 38 million GSF. Among the topics discussed, we will look at how our department is organized, how the database works with our GIS, Archives, and BIM teams, how the data is utilized both internally and externally, problems we face, and upcoming initiatives for space management.	The Ohio State University
Utilities	Bridging indoor-outdoor environments for improved utility asset management	"Can we accurately locate our above and below ground utility assets", "can we prevent utility 'dig-in' incidents" or during an outage event "where are the impacted buildings or assets"? These questions may not be easy to answer for most institutions. In this presentation, Patrick will describe how they are helping public and private institutions implement utility infrastructure management solutions using Esri's ArcGIS platform and its recent release of the Utility Network Management extension.	Patrick Engineering