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Welcome

Greetings from the CFTA Board of Directors and we welcome to your 2011 Conference,

We are delighted to have you with us and trust that your visit to Washington will be enjoyable and more importantly, informative. Many of your friends and constituents have volunteered a great deal of time to make this conference valuable. We hope that many of the presentations will help you gain new perspective and vision for your work.

We would like to thank the many CFTA business partners, many of them attending, presenting and sponsoring for the first time. Please take the time to visit with each of them, introduce yourself and thank them for their participation. They are truly the platform that we all stand on for our work and for their contributions to making this conference possible and successful.

As you spend time this week learning, be making notes to yourself about how you may participate in next year's conference.

Thank you again for being with us and let us know if we can help you with anything,

Glenn Cotita and the CFTA Board and Conference Coordinators:

Jose Delgado
Lola VanWyk
Theresa Thompson
Mike Parkin
Michelle Gooch
Susan Saurwein

2011 Schedule of Events

Time	Monday, Sept 26	Tuesday, Sept 27	Wednesday, Sept 28	Thursday, Sept 29	Friday, Sept 30
7:00 AM					
8:00 AM		8:00 AM - 12:00 PM Revit Training <i>TR1</i> Vendor Presentations 10:00 to 4:30PM	7:30 AM - 8:00 AM Breakfast & Registration Conference Welcome	7:30 AM Breakfast	7:30 AM Breakfast
9:00 AM			8:15 - 9:30 AM Keynote Session Bob Middlebrook <i>TG1</i> <i>15 minute break</i>	8:30 - 9:30 AM Concurrent Sessions T1A, T1B, T1C	8:30 - 9:30 AM Concurrent Sessions F1A, F1B
10:00 AM			9:45 - 10:45 AM Concurrent Sessions W1A, W1B <i>15 minute break</i>	9:45 - 10:45 AM Concurrent Sessions T2A, T2B, T2C	9:45 - 10:45 AM Concurrent Sessions F2A, F2B
11:00 AM			11:00 AM - 12:00 PM Concurrent Sessions W2A, W2B	11:00 AM - 12:00 PM Concurrent Sessions T3A, T3B, T3C	11:00 AM - 12:00 PM Concurrent Sessions F3A, F3B
12:00 PM		12:00 - 1:00 PM Lunch	12:00 - 1:15 PM Lunch	12:00 - 1:15 PM Lunch Also: Member meeting at 12:45 to 1:30 PM	<i>Conference Closes</i>
1:00 PM		1:15 - 4:30 PM REVIT Training Vendor Presentations	1:15 - 2:15 PM Concurrent Sessions W3A, W3B	1:15 - 2:15 PM Concurrent Sessions T4A, T4B, T4C	1:00 - 3:00 PM CFTA Board Meeting
2:00 PM		2:00 PM Registration Opens	<i>15 minute break</i> 2:30 - 3:30 PM Concurrent Sessions W4A, W4B	2:30 - 5:00 PM Smithsonian Tours	
3:00 PM			<i>15 minute break</i> 3:45 - 4:45 PM Concurrent Sessions W5A, W5B		
4:00 PM			<i>Open Night</i>		
5:00 PM		6:30 - 9:00 PM Welcome Reception			
6:00 PM				6:30 - 10:00 PM Reception at the Smithsonian Castle	
7:00 PM					
8:00 PM					
9:00 PM					



Presentation Sessions

Tuesday Training

TR1
Revit Hands-On Training
Instructor: Clyne Curtis

Tuesday Vendor Presentations

FM Systems = What is new at FM:Systems
Speaker: Marty Chobot
Tuesday: 10 to 11

One Asset Lifecycle, One Asset Management Solution: Providing value and reducing total cost of ownership with Integrated Workplace Management Systems (IWMS)
Speakers: Jeff Van Fleet, Alan Neill
Tuesday: 11 to noon

Autodesk = What is new in Autodesk 2012
Speaker: Chuck Mies
Time: Tuesday 1:15 to 2:45

ESRI = ESRI Templates
Speaker: Craig Cleveland
Time: Tuesday 3:00 to 4:30

Wednesday

Keynote Presentation

WG1

Collaboration and Modeling: Bringing Back Owner Involvement

Speaker: Robert E. Middlebrooks AIA

Wednesday Sessions

WIA

Lifecycle Facilities Data Management using BIM, BAS and GIS

Speaker: Steve Devito, Philip DeMottie

WIB

Document Management and Archiving at MSU and MIT

Speaker: Lorena Griffin, Mike Parkin, Glenn Seehausen

W2A

Benefits of BIM for Facilities Management

Speaker: Marty Chobot

W2B

Mobile Data Capture Tools You Need to See(or Rather touch) to Believe!

Speaker: Brendan C. Molloy

W3A Introduction to BIM

Speaker: Clyne Curtis, Chuck Mies

W3B

CAD Productivity Tips and Tricks

Speaker: Kevin Custus

W4A

Turning Life Safety Plan Compliance into Facilities Revenue

Speaker: Scott Friend

W4B

Full BIM Lifecycle Management: Bidirectionally Linking Data with BIM & CAD for Validation Management and Integration with GIS and FM

Speaker: Cyril Verley, Jose Delgado

W5A

Integrated Design and Construction Partnership Leverages BIM in Complex Renovations & New Construction Projects with Extreme Completion Requirements

Speaker: Andy Burg, Dick Thomas

W5B

North Carolina State University Boosts Productivity with AERES all-in-one FM System

Speaker: Rob Yaeger, Bishop Bettini

Thursday Sessions

T1A

COBle Demystified

Speaker: Rich Mitrenga

T1B

CAFM at Iowa State University with Famis

Speaker: Lola Van Wyk

T1C

Building Value and Efficiency Through Data Capture and Organization

Speaker: Daniel Lemmerbrock, Jim McArthur

T2A

Using Web Services: Campus Mapping in a Browser and in your iPad

Presenter: William Witts

T2B

The Role of the Facility Historian

Presenter: Garth Anderson

T2C

CAFM Bids of a Feather

Moderator: Lola Van Wyk

T3A

Indiana University BIM Case Study (Cyberinfrastructure Building)

Speaker: Theresa Thompson, Andy Burg

T3B

Making the most of Indirect Cost Recovery

Speaker: Roy Davey

T3C

GIS Birds of a Feather
Moderator: Mike Parkin

T4A
BIM Birds of a Feather
Facilitator: Theresa Thompson

T4B
GIS Interior Spaces Data Model BISDM 3
Presenter: Eric Hrnicek

T4C
Scan to BIM
Presenter: Laura Neri Baebler, Matt Halveland, Brett Kostial

Friday Sessions

F1A
Facilities Management with Revit - What's in your Toolbox
Speaker: Clyne Curtis

F1B
Smithsonian Facilities Information Management
Presenter: Sylvia Kendra, Barbara Heller

F2A
National CAD Standard V5 and National BIM Standard V2 are the Foundation for Your Success
Presenter: Deke Smith

F2B
In the Blink of an Eye: The Fast Track Deployment of an IWMS at Murray State University
Speaker: Jason Youngblood, Matt Burton

F3A
Virtually There: Using Mapping for Event Management and Emergency Management
Presenter: Mike Parkin

F3B
A CAFM Archibus Implementation Case Study at Princeton University
Presenter: Mark Washington



Presentation Abstracts
(those submitted as of 9/21/2011)

Vendor Showcase

10:00 – 4:30 AM

FM Systems: What is new at FM Systems

Saturn/Venus Room

Marty Chobot

Title: V P of Product Management and Strategic Alliances

Company: FM:Systems

FM:Interact

The FM:Interact Workplace Management Suite is a flexible, intuitive, easy-to-learn Web-based software platform that helps facilities and real estate professionals automate processes, monitor performance and improve planning. Key capabilities include: managing space and occupancy; moves, adds and changes; maintenance and operations; strategic planning; real estate and leasing; project management; and sustainability.

Lifecycle BIM: Autodesk Revit integration.

The direct integration with Autodesk® Revit® Architecture software is a key feature of FM:Interact, enabling you to leverage the information in BIM models to improve space, occupancy and maintenance management in the operations phase of the building lifecycle.

Marty Chobot, FM:Systems Vice President, will introduce you to this proven, experienced software company that has helped hundreds of customers deliver better customer service, reduce costs and improve productivity across their entire organization.

he purpose of this session is to introduce..

One Asset Lifecycle, One Asset Management Solution: Providing value and reducing total cost of ownership with Integrated Workplace Management Systems (IWMS)

Saturn/Venus Room

Jeff VanFleet

Title: Business Development

Company: C2C Surveys, BRG

Alan Neil

Title: Vice President

Company: BRG

Abstract: Many campuses continue to manage high value real estate and facility assets using a fragmented and often poorly integrated set of independent point solutions. The result is unreliable data, disjointed processes, and risky integrations. High value assets typically pass through several organizational units each using their own technology, processes and data to manage their part of the Asset Lifecycle. Today's mature IWMS platforms manage assets strategically through the entire lifecycle, reducing the need for multiple point solutions. As a result, data redundancy and IT sustainment costs are dramatically reduced.

Keynote Presentation
Wednesday 8:15 – 9:30 AM

WG1: Collaboration and Modeling: Bringing Back Owner Involvement
Columbia Ballroom

Robert E. Middlebrooks AIA

Title: Industry Program Manager, Buildings

Company: Autodesk

Abstract: As the practice of design and construction has evolved from master builder to a complicated array of specialists, complicated contract documents and the advent of CAD have further removed the owner from the process. While many owners have enjoyed relegating the responsibility and risk to others, the results have not always been satisfying. Liability and change orders had become the currency of modern construction projects.

Whether you cite the NIST reports or the CURT whitepapers as the turning point, we have begun a process change that reinstates the owner as an appropriate participant in the Design and Construction workflow. Collaborative tools such as building information modeling and contracts for Integrated Project Delivery have been catalysts for an entirely new workflow. Whether your project is a building, infrastructure or an entire campus facility, model based design, analysis and visualization, coupled with advances in technology such as rapid energy modeling, photogrammetric reality capture and infinite computing, have changed the way decisions can be made. Properly informed and timely decision making is the critical influence between redesign or change orders, and a well-executed project.

This presentation will provide the background and future glimpse on the process changes in new collaborative workflows and illustrate the advances in how owners make decisions and reinvolve themselves in projects of all scales. Covering the lifecycle from concepts and energy analysis, to building operations and maintenance new workflows provide opportunities for owner engagement that never existed, and leverage the investments in the process, bringing back owner engagement and better-executed projects.

Wednesday Concurrent Sessions

9:45 AM – 4:45 PM

W1A: Lifecycle Facilities Data Management using BIM, BAS and GIS

Discovery I

Steve DeVito

Title: Project Technology Specialist

Company: GSA Public Buildings Service

Phil DeMottie

Title: Director of Business Development-East Coast

Company: EcoDomus, Inc.

Abstract: The U.S. General Services Administration (GSA) is committed to incorporating principles of energy efficiency into its facility management practices. With the use of Building Information Modeling (BIM), GSA hopes to strengthen the reliability, consistency, and usability of predicted energy use and energy cost results.

GSA's Southeast Sunbelt Region (GSA Region 4), located in Atlanta, GA, decided to be proactive and invest in new approaches for managing energy in federal facilities and EcoDomus, Inc. was recruited to implement its industry leading software, EcoDomus FM, as the GSA FM Energy Web Portal. The web based application provides GSA with a GIS-based dashboard reporting energy usage across the whole Southeast region, or by state, city, or individual buildings. The FM Energy Portal also displays BIM models in full 3D so facility managers can virtually navigate to any space within the facilities, and review assets properties: both design-intent and current energy operational values received from building sensors and meters via Building Automation System (BAS).

The presentation will explain how to collect and validate the right data using COBie and owner's Facility Management Program, how to establish business cases for "BIM for FM", and present the best practices for energy management using BIM.

W1B: Document Management and Archiving at MSU and MIT

Discovery II

Lorena Griffin

Company: MSU

Mike Parkin

Company: MIT

Glenn Seehausen

Title: President/CEO

Company: ACAD-Plus, Inc.

Abstract: MSU recently replaced their FileNet based Document Management with BlueCielo

Meridian using the ACAD-Plus' Facilities DM Integration. The new system provides direct integration with their CMMS, CAFM, and GIS solutions. Hundreds of thousands of Archive documents were migrated into the new solution. It is also used to manage all of their master operational drawings. Recently, MSU expanded the system so that all designers and engineers can manage their active project drawings and documents. This presentation will include a live demonstration of their solution.

MIT has been using BlueCielo's products for years. MIT recently upgraded their system using ACAD-Plus' Facilities DM Integration and services. MIT's portion of the presentation will focus on the brand new BlueCielo Explorer, which provides secure and convenient browser access to all of their archives for a large audience of maintenance, projects, and planning personnel. MIT's BlueCielo Explorer solution will also be demonstrated.

ACAD-Plus provided consulting and implementation services for both customers and will contribute their insight to this presentation. Both customers will also discuss their vision for further expanding and utilizing their Meridian systems.

W2B: Mobile Data Capture Tools You Need to See(or Rather touch) to Believe!

Discovery II

Brendan C. Molloy

Title: President

Company: INFOQUEST TECHNOLOGIES, L.L.C.

Abstract: presentation of current mobile technology, which will include hardware [tablet pc's, DISTO's, etc.] that will be handed out to the session attendees so that they may experience these products for themselves firsthand. In addition, one lucky session attendee will win a Leica DISTO [with Bluetooth capability]! Brendan will mostly be demonstrating the hardware, its capabilities, their interaction between themselves as well as their interaction with the latest in touch-based software.

W4A: Turning Life Safety Plan Compliance into Facilities Revenue

Discovery I

Scott Friend

Company: MSU

Abstract: With increasing requirements from organizations such as the NFPA, JCAHO and the ADA, growing security concerns for an organization's population, and major liability potential, your organization simply can NOT afford to ignore the importance of clear and accurate Life Safety Plans. Learn how the MSU Engineering and Architectural Services department is turning this important exercise in compliance and floor plan maintenance into a revenue generating venture. In addition, MSU will be explaining how they can utilize their Document Management and CAFM solutions to fully realize their Life Safety and Equipment tracking needs.

W4B: Full BIM Lifecycle Management: Bidirectionally Linking Data with BIM & CAD for Validation Management and Integration with GIS and FM

Discovery II

Cyril Verley

Title: President

Company: *CDV Systems, Inc.*

Abstract: This lecture outlines how project data based on Access and SQL databases are linked to a BIM and /or CAD files exposing a building's program, equipment, furniture and lifecycle needs using direct links to FM and GIS applications. It is a standalone database that links the project program & equipment requirements to Autodesk Revit Arch, MEP and AutoCAD files.

Key Learning Objectives:

Bidirectional link project program & equipment requirements to Autodesk Revit Arch, MEP and AutoCAD files.

Maintain BIM project/program and design requirements through all lifecycle deliverable stages, from concept through design and construction, to facilities and operations management.

BIM data export to GIS via ESRI/ArcGIS and bidirectionally linked to an IBM Maximo database.

W5A: Integrated Design and Construction Partnership Leverages BIM in Complex Renovations & New Construction Projects with Extreme Completion Requirements

Discovery I

Andy Burg

Title: Executive, Operations Technology Services

Company: Messer Construction

Andy Burg

Title: Vice President, AIA, NCARB, LEED AP

Company: SHP Leading Design

Abstract: It is often said that combining the benefits of working in a BIM environment with a formalized Integrated Project Delivery System provides the highest value proposition for an Owner. SHP Leading Design (authors of the IU BIM Guidelines) and Messer Construction (Contractor for The IU Cyberinfrastructure Building), have operated an Integrated Design and Construction Company for over twelve years called ZenCompass. Independently SHP and Messer aggressively push the use of BIM in all that they do. Together they push the applications of BIM in an IPD environment with extraordinary results. This presentation will examine two higher education projects where the BIM applications in an Integrated Project Delivery environment were crucial to the success of the projects. In one case we will examine the applications of BIM in a complex College Addition / Renovation environment; in another case we'll examine a project in Theological Seminary environment underpinned by an extraordinary project completion requirement. Benefits and lessons learned in each will be discussed.

W5B: North Carolina State University Boosts Productivity with AERES all-in-one FM System

Discovery II

Rob Yaeger

Title: Executive Assistant Director, FIS

Company: NC State University

Bishop Bettini

Title: Software Engineer and Entrepreneur

Company: Ideacode

Abstract: "How can we store all our facilities information, provide greater access to that info, and keep our data updated with all the campus changes -- without breaking the budget?"

The answer for NCSU is AERES – the Architectural, Engineering, and Real Estate System – a comprehensive, web-based repository that packs all the best features of CAFM, IWMS, GIS, and EDMS software onto a single platform.

This year, ideacode polled NCSU for the most time-saving features in AERES, which we present:

- building and sharing custom reports for capital project management
- mapping capital projects and work orders
- visualizing utilities in GIS, with photos of install and operation
- combining GIS data from campus, vendor, and government sources into multiple views
- importing work orders from FAMIS
- exporting building and room data to Oracle and Sybase
- controlling access to protect sensitive information It

Thursday Concurrent Sessions
8:30 AM – 2:15 PM

T1B: CAFM at Iowa State with Famis

Discovery II

Lola Van Wyk

Title: Design Services

Company: Iowa State University

Abstract: Emphasis on how Facilities Planning and Management at Iowa State University uses FAMIS to meet customer needs. Discussion also includes information on steps that were taken to streamline reporting to FEMA following the flood of 2010 on campus.

T1C: Building Value and Efficiency Through Data Capture and Organization

Discovery I

Daniel Lemmerbrock

Title: Data Hub and Resource Center Manager

Company: Bowling Green State University

Jim McArthur

Title: Director/University Architect

Company: Bowling Green State University

Abstract: Data capture and organization has been essential in transforming the physical state of a university in challenging times. Bowling Green State University in Ohio is in the midst of one of its most aggressive building campaigns in its history. Seven new buildings are coming online in 2011, and many other renovation, utility, and campus improvement projects are in progress. With limited budget and personnel resources, it has been a challenge keeping up with the workload. A key component that has made this effort possible is the availability and awareness of information for the campus infrastructure. This effort started with the creation of the Data Hub and Resource Center Manager position 6 years ago. The concept was to create a repository of electronic and hard copy information that was organized, and better use technology to provide accessibility. The Data Hub and Resource center has been quickly growing and developing since its creation. It started with serving the Campus Design and Construction department with scanned drawings, pictures, and a Campus Cad Map. It now serves the entire campus with a document management system (OnBase), and custom campus maps created for other departments that have generated revenue. A Google Earth 3D Campus was created that reaches out to a worldwide audience. Currently we are developing GIS mapping, selecting a Computerized Maintenance Management System (CMMS), and exploring future uses of BIM.

T3A: Indiana University BIM Case Study (Cyberinfrastructure Building)

Discovery I

Theresa Thompson

Title: Director of Space Planning

Company: Indiana University

Andy Burg

Title: Vice President, AIA, NCARB, LEED AP

Company: SHP Leading Design

Abstract: This presentation will focus on Owner and Contractor perspectives on using BIM on the recently occupied Cyberinfrastructure Building project at the IU Bloomington campus. For both Indiana University and Messer Construction, BIM technology is an enabler of innovation, better project delivery, and ultimately better facilities management and operations for the building.

T3B: Making the Most of Indirect Cost Recovery

Discovery II

Roy Davey

Title: Vice President

Company: OFMS, Inc.

Abstract:

Your university's effort to recover the indirect costs associated with Sponsored Research is substantial and the rewards are great. How can you best contribute to that effort and assisting the University in maximizing this revenue? This session will explore the Indirect Cost Recovery (ICR) effort, will demonstrate the value of your CAFM system in providing supporting information in useful forms, and will discuss the value of your partnership with other University organizations to maximize this important revenue source. The INSITE Space Management System, used by an international Consortium of users and developed with a primary focus on University-oriented business needs, will be used to demonstrate the principles described in this session.

The ICR Effort

- What is the concept, and what are the important principles?
- What are the Regulatory complexities?
- How is an institution's ICR proposal accomplished?

The Space Database

- Key ICR-related principles

- Structured data – the key to your regulatory response

Collective Updating

- The critical nature of accurate, timely information
- Supporting your University's audit cycle
- The value of an Online Survey to collect review and maintain the data

ICR Cost Models & Reporting

- Providing source information to ICR tools
- Example: Comprehensive Rate Information System (CRIS)
- Key Reports and their benefits

You're the Winner

- Being a good steward of information
- Being a good partner in the ICR effort
- The effort pays for itself...
- You are the Winner!

T4C: Scan to BIM

Saturn/Venus Room

Laura Neri Baebler, Matt

Title: Owner & Principal Architect

Company: Laura Neri Baebler Architect & Associates

Matt Halveland

Company: Laura Neri Baebler Architect & Associates

Brett Kostial

Company: Laura Neri Baebler Architect & Associates

Abstract: How to achieve accurate existing building documents for renovations, additions and adaptive re-use of existing buildings. What format is useful moving into the future?

We know the need for accurate as built documents of buildings including MEP and structure. How do you get them? One solution: Laser scanning in the field (a billion points of accurate reference) and accurate input to AutoDesk Revit for Building Information Modeling (BIM). A case Study: Brentwood City Hall, St. Louis, Missouri.

Friday Concurrent Sessions

8:30 AM – 12:00 PM

F1B: Smithsonian Facilities Information Management

Discovery I

Sylvia Kendra

Title: Office of Engineering Design and Construction

Company: Smithsonian Institution

Barbara Heller, FAIA

Title: CEO

Company: Design + Construction Strategie

Abstract: This presentation will focus on technology efforts made in the areas of Geographic Information Systems, Building Information Modeling, and Document Management in the Smithsonian Institution's Office of Facilities Engineering and Operations (OFEO). We will discuss our current systems and business processes and describe a vision of where we want to be in the next 5 years. Additionally, we will discuss technology and culture in the construction industry, emerging trends, and the challenge of Return on Investment (ROI) analysis for better data management.

About OFEO: OFEO is an organization of 1,800 dedicated employees whose skills and labor enable and sustain facility services for the Smithsonian Institution's array of museums, research laboratories, collections storage and administrative offices by providing a myriad of facility maintenance, revitalization, custodial care, safety and security services.

OFEO's operations constitute a complex environment of interdependent business processes, resources, and technology. OFEO's technology mission has evolved over many years, maturing to a great extent in response to the ever-increasing work demand associated with the SI's aging building inventory. Keeping pace with the change has necessitated an even greater need to orchestrate OFEO-wide resources, business processes and technology to optimize the organization's long-term planning for capital and maintenance programs.

F2A: National CAD Standard V5 and National BIM Standard V2 are the Foundation for Your Success

Discovery II

Deke Smith

Title: Program Manager, Building Seismic Safety Council

Company: Executive Director, buildingSMART alliance

Abstract: The facilities business is undergoing significant change. Design and construction is being done in 3D using BIM and is capable of delivering a

complete model information rich model of the facility for analysis and simulation prior to, during and after delivery. Ensuring that model is usable long into the future and that is compatible with other facility models is only accomplished through standards. The National CAD Standard© V5 (released in May 2011) and the National BIM Standard-United States™ V2 (to be released December 2011) are at the heart of ensuring your university is successful with getting the most out of both your 2D and 3D deliverables. This session will update you on the latest releases of both standards. This session should be a “must see” so that you are making your plans to take advantage of what is available or soon to be available.

F2B: In the Blink of an Eye: The Fast Track Deployment of an IWMS at Murray State University

Discovery II

Jason Youngblood

Title: Engineering Tech/CAD Coordinator

Company: Murray State University

Abstract: This case study will cover the implementation of an IWMS from requirements definition, procurement and selection through Go-Live to current operational state. Murray State University went through a rapid deployment, from written RFP to Phase I Go-Live in 90 days and Phase II Go-Live in an additional 120 days. But time isn't everything; they also met their defined strategic objectives and business requirements working collaboratively with many academic and administrative business units. This session will highlight the partnership with Draper & Associates and the project management approach and tools leveraged to assist MSU in achieving their project implementation goals. The session will also address some valuable lessons learned.

LEARNING OUTCOMES

1. Provide Attendees with best practices in software selection, project management and implementation approach.
2. Provide Attendees with a clear understanding, based upon an MSU's first-hand experience, of the “do's and don'ts” of an IWMS procurement/implementation.
3. Provide Attendees with a Reality Check: What it really takes to successfully implement a new IWMS System.

F3B: A CAFM Archibus Implementation Case Study at Princeton University

Discovery II

Mark Washington

Title: Manager of Facilities Information Technology

Company: Princeton University

Abstract: Princeton University is using Archibus to share information with the University community about site and building based information. "TigerSpace" is the Web Central portal used by Princeton to disseminate site information, building floor plans, utility data as well as fire & safety information. This presentation will focus on the deployment of the Princeton Emergency Response System using technologies from Archibus and ESRI.



Robert(Bob)E. Middlebrook, AIA
Industry Programs Manager, Buildings
Autodesk, Inc.

“Keynote: Collaboration and Modeling: Bringing Back Owner Involvement”

Robert E. Middlebrooks, AIA, is an industry program manager for buildings at Autodesk, Inc., specializing in BIM, sustainable design, and integrated project delivery (IPD) adoption. He is an architect with more than 28 years' experience and a former principal of Clark Nexsen. He is a past AIA National Board Member and chaired the AIA's task group, the Integrated Practice Strategy Working Group that prepared AIA National's response to the Construction Users Round Table white paper, which was the catalyst for the current IPD movement. He is currently serving on the AIA Contract Documents Committee and is a co-author of many of the new IPD documents, including the latest IPD Multiparty Agreements. As a member of the Autodesk Industry Strategy and Relations Team, he focuses on future practice change along with special projects, research, and key industry group collaboration, including rapid energy modeling, laser scanning, digital fabrication workflows, and BIM-enabled sustainable analysis.



Garth Anderson
Manager, Facilities Management Resource
Center
University of Virginia

“The Role of a Facility Historian ”

Garth is a 27 year employee of the University of Virginia which has 3400 acres, 548 facilities, and 16.3M GSF. The University has a fast paced construction

program and will complete 22 projects during the second half of 2011, these will add 500,000GSF at a value of \$256M. Total construction in progress is \$370M with and additional \$186M in planning and design. For the last 14 years he has managed the Facilities Management Resource Center which is a vital part of the workflow of design and construction documents. It is also the archive of UVA facility and landscape drawings.

Working with a descriptive collection of drawings, Garth became interested in how the University evolved after the completion of the Academical Village designed by Thomas Jefferson. Many hours were spent in Special Collections reading manuscript collections and reviewing photographs. He has assisted many authors with their books and students with their studies. He is currently a part-time student working on his Masters in Architectural History. He has been a co-curator of an exhibit, From Village to Grounds: Architecture after Jefferson at the University of Virginia, and a speaker at the symposium Jefferson, Palladio, and the Fine Arts in America. At earlier points in his life, he worked in blood banking for 20+ years, drove a cab in NYC, sold used foreign cars, and was a loofah farmer.



Laura Neri Baebler

Executive, Operations Technology Service
Messer Construction Company

“Scan to BIM”

Laura has been practicing architecture and design for almost 30 years with experience in many types of projects and scales. Laura, an AIA member and registered since 1987 - holds a Masters and a B.S in Architecture from *The Catholic University of America, Washington D.C.* Her background includes study at the Rhode Island School of Design in Rome, Italy, and David McKay in Barcelona, Spain, awards from the American Institute of Architects such as the Merit Award, Design & Craftsmanship, and the A.I.A. Henry Adams Certificate of Merit for Excellence in the study of Architecture and the Architecture Alpha Rho Chi Medal for Leadership, Service & Merit.

She started an architectural studio in 1991 with additions and renovations to custom residential and commercial work.



Bishop Bettini
ideacode, Inc.

“North Carolina State University Boosts Productivity with AERES all-in-one FM System”

Bishop Bettini – software engineer and entrepreneur – champions the idea that you can have customized facilities management software that grows with you, without sacrificing your budget. Seeing too many organizations paralyzed by generic “management” software that stifled workers' productivity, he spent the last ten years building better software based upon his company's (ideacode) vast library of modular and cooperative software components. Since 2003, he's shaped these components into AERES, a comprehensive FM software package, that can meet your needs today and grow as your needs change. Why wrestle with software that's not right for you? Contact Bishop and let him listen to your exact requirements and sculpt *your* software. 800.813.1316 or bishop@ideacode.com



Andy Burg
Executive, Operations Technology Service
Messer Construction Company

“Integrated Design and Construction Partnership Leverages BIM in Complex Renovations & New Construction Projects with Extreme Completion Requirements”

“Indiana University BIM Case Study (Cyberinfrastructure Building)”

Andy is a proven builder and leader with 20 years experience in the construction industry. He is a 1994 graduate of the University of Cincinnati with a Bachelor's

degree in Construction Management. He joined Messer in 1991 and is experienced in managing complex commercial construction projects ranging from education, medical, office and entertainment facilities.

Andy has been involved in project management technology applications for Messer since 1995. In 2001 he managed the first Integrated Design and Construction contract for the company as well as led the first Messer project team to utilize Lean Construction tools.

Today he leads the team responsible for advancing the company's operations in technology, innovation and process improvement to sustain the companies continued growth. His primary responsibility is developing and managing the company's advanced capabilities and strategies for Building Information Modeling.

Andy is a member of the buildingSMART Alliance and is dedicated to working with academia, owners, designers and subcontractors on the future applications of BIM and IPD.



Matt Burton

Senior Consultant
Draper & Associates

“In the Blink of an Eye: The Fast Track Deployment of an IWMS at Murray State University”

Matt Burton is a Senior Consultant with Draper & Associates where he is responsible for providing program management, project management, business systems analysis and development, process design and improvement, and analytical research and analysis. Mr. Burton has more than 13 years experience in project management, business process consulting, software implementation and business development for large, multi-national organizations in both the private and public sectors.

For the past several years, Mr. Burton has been serving the higher education market by assisting Facilities and Campus Planning organizations with strategic and operational planning, business process reengineering, budget planning and

management for capital improvement projects and procurement and implementation of leading CMMS/CAFM/IWMS systems.



Marty Chobot

VP of Product Management and Strategic Alliances
FM:Systems

***“Benefits of BIM for FM”
" What is new at FM:Systems"***

As VP of Product Management and Strategic Alliances, Marty helps FM:Systems better understand the needs of its customers and bring new products to market. Primary roles include working with others on the management team to set the strategic direction for the company, helping align product direction with market needs, and communicating the company's offerings and value to customers, prospects and partners.

Marty's current focus is the convergence of BIM and the operation of sustainable, cost-efficient buildings. Key activities include leading the FM-BIM Working Group and conducting customer and market research on the application of BIM models and data in the operational phase of the building lifecycle.

Marty has more than 18 years of experience with enterprise software. Prior to joining FM:Systems, he served in a number of roles for enterprise software companies and founded two consulting firms focused on serving technology companies.

Marty has a degree in English Literature from North Carolina State University with studies in Computer Science and Graphic Design.



Clyne Curtis

CAD Database Manager
Brigham Young University

"Pre-conference Revit Training"
" Introduction to BIM"

Clyne Curtis has been the CAD database manager at Brigham Young University for the past 9 years where he assists the Planning and Space Management Departments in maintaining an accurate gross square footage of campus. He has been a Revit instructor/trainer for 4+ years and is in the process of converting BYU's AutoCAD-based building database to Revit. Clyne is currently the president of the Northern Utah Revit Users Group (NURUG) and a proponent of using Revit for facilities management.



Kevin Custus

Senior Solutions Consultant
Rand IMAGINiT Technologies, Inc

"CAD Productivity Tips and Tricks"

Kevin has over twenty eight years of experience in the architecture, engineering and surveying industries. During this time he served in a number of roles including as a Project Manager and CAD Manager. He utilizes his background to provide training, support, and implementation on several Autodesk BSD and ISD products.

Kevin has trained, supported and implemented Autodesk products for over 13 years. Kevin has been with Rand IMAGINiT Technologies, Inc. for the almost five years. Kevin has extensive knowledge of many of the Autodesk programs such as AutoCAD, AutoCAD Architecture, AutoCAD MEP and Civil 3D and for the past 3 ½ years Kevin's primary focus has been training on and implementing the Autodesk Revit platform (Architecture, MEP and Structure) .



Roy Davies

Vice President and Atlanta Office Managing
Director
OFMS, Inc. d.b.a. INSITE

"Making the Most of Indirect Cost Recovery "

Roy Davey has been active in Facilities and Asset Management for over 37 years. A frequent speaker on Facilities Management (FM) and Computer-Aided Facilities Management (CAFM) technology at major North American conferences, he has conducted workshops on CAFM systems, space and asset inventory best practices, and indirect cost recovery techniques.

A registered architect in Massachusetts, he holds Bachelors and Masters Degrees in Architecture from Syracuse University. Mr. Davey's professional society memberships have included SCUP (Society of College and University Planners), IFMA (International Facilities Management Association), NPMA (National Property Management Association), and NCFMTC (National Collegiate Facilities Management Conference). Roy began his career in the FM world with positions at Harvard Medical School and Digital Equipment Corporation, and ran his own business in Computer consulting and training for many years.

In 1989 Mr. Davey was invited to join MIT's Office of Facilities Management Systems (OFMS) where he became Assistant Director responsible for support of MIT's INSITE Consortium of international user, from basic startup activities through implementation and training, to ongoing FM business support and systems operational support. He also was tasked with participation in their INSITE CAFM system's continued development of enhancements and new applications. In 1996 when MIT's lawyers created the independent non-profit corporation, OFMS, Inc. (d.b.a. INSITE), and provided it with a world-wide exclusive license to their INSITE suite of CAFM systems Roy played a major role in transitioning the international institutional members of the MIT's INSITE Consortium to the new corporation.

In 2000, Roy became Vice President of Technology for Facilities Resources, Inc. (FRI, now AOS-USA), a consulting company specializing in space analysis, allocation and forecasting. FRI's major expertise was in planning, managing and executing large corporate moves. Clients include Coca-Cola, Bell South, Verizon Wireless, UPS, Kimberly-Clark and other major businesses and healthcare institutions in the southeast. Mr. Davey directed a staff that incorporated CAFM technology to support the move projects from planning to execution.

CFTA 2011: Presenters

In 2006, Roy returned to OFMS, Inc. as Vice President and a Corporate Officer to oversee their Atlanta office, their sales and marketing efforts, and to provide professional services to the growing INSITE Consortium Members from the Pacific Rim, N. America and the EU, and other clients.



Steven DeVito
GSA Representative

" Lifecycle Facilities Data Management using BIM, BAS and GIS "

Stephen DeVito is a BIM and project technologies specialist, responsible for new systems implementation. He manages new software processes and support at the GSA Mid-Atlantic Region. DeVito is involved in the implementation of electronic project management systems and leads the unique project at NASA Langley Research Center implementing BIM integration with facility management software and GIS systems.



Barbara Heller,
CEO
Design + Construction Strategies

"Smithsonian Facilities Information Management"

Barbara Heller is CEO of Design + Construction Strategies, a professional consulting firm providing expert services related to facility policy and building information management. She is an expert in architectural technology and has participated on over 500 building project teams for projects ranging from the renovation of the Pentagon to the National Museum of the American Indian.



Matt Halveland

Laura Neri Baebler Architect & Associates

"Scan to BIM"

Matt has a Bachelor of Architecture from Kansas State University, Manhattan, KS. Practicing with LNB Architects for over 7 years, he has experience in many types and scales of additions and renovation- adaptive re-use of existing buildings including multiple Municipal City Hall Renovations, Warehouse turned Church and large Office Warehouse/Retail additions to name a few. Matt's responsibilities include project management, design, construction documents, client and consultant coordination, and contract administration. He has extensive experience documenting existing conditions of buildings. He is proficient in the new use of Laser Scans for field investigation and documentation of existing buildings in order to generate Revit Building 3D Information Modeling. Matt has many other talents which include proficient technical support, advanced computer graphics, and photography. He is a member of the AIA YAFSTL. He has studied abroad in an Italian Studies Program in Castiglione Fiorentino, Italy.



Sylvia Kendra

Office of Engineering Design and Construction
Smithsonian Institution

“Smithsonian Facilities Information Management”

Sylvia Kendra has worked for the Smithsonian Institution, Office of Facilities Engineering and Operations (OFEO) since 2004. She is a key leader in on-going technology initiatives such as facilities geographic information systems (GIS), digital archiving, and building information modeling. Sylvia is responsible for OFEO’s Engineering Document Management program, managing over 1 million facilities records and related contracts, and also for facilities information of all Smithsonian facilities located in the country of Panama. Previously, Sylvia was Geographic Information Services Manager for the City of Richardson, Texas where she led the development of the city's Geographic Information Systems Program, that is still in use today. She has a Master's degree from UT-Dallas and is a certified Geographic Information Systems Professional.



Brett Kostial

Laura Neri Baebler Architect & Associates

“Scan to BIM”

Brett is a LEED AP and has extensive, up to date experience in architectural detailing as a BIM coordinator, and is well versed in AutoDesk Revit, and AutoDesk Navis Works, AutoCAD, and Google SketchUp 3D. Brett joined the LNB team in early 2011. With 8 years working experience in both small and large firms his first hand technical experience of coordinating large complex projects as the clash detection coordinator, and coordinator of interdisciplinary BIM models, he understands the tools required for successful design and construction of large addition and renovation projects such as the Missouri Western State University Agenstein Hall Renovation and Remington Hall

Addition in St. Joseph, Missouri and the University of Missouri St. Louis Benton Stadler Science Complex Renovation and Addition in St. Louis MO.



Daniel Lemmerbrock

Data Hub and Resource Manager, Office of Design and Construction
Bowling Greene University

“Building Value and Efficiency Through Data Capture and Organization”

Data Hub and Resource Center Manager, Office of Design and Construction, Bowling Green State University, Bowling Green, Ohio (6 years). Bachelors of Science Mechanical Engineering Technology, Masters in Career and Technology Education. 18 years professional Cad experience.



Jim McArthur

Director/University Architect, Office of Design and Construction
Bowling Greene University

“Building Value and Efficiency Through Data Capture and Organization”

Ohio (27 years). Registered Architect, LEED. Bachelors in Architecture, Masters in Construction Management..



Brendan C. Molloy

President

INFOQUEST TECHNOLOGIES, L.L.C.

“Mobile Data Capture Tools You Need To See [Or Rather Touch] To Believe!”

Brendan Molloy is the founder and President of InfoQuesT Technologies, L.L.C. [IQT]. Molloy holds a Bachelors of Science Degree in Mechanical Engineering from the University of Hartford, and has spend nearly twenty-five years engineering and automating the building survey process and methodology in an effort to maximize efficiency, increase accuracy, and minimize costs. Using state-of-the-art laser distance meters, tablet computers and PlanSurveyorTM, coupled with our time-tested methodologies, we have increased the accuracy while reducing the survey time, in addition to virtually eliminating costly and disruptive return visits to the field. This unique and innovative approach, consisting of hardware, software and knowledge, is what we refer to as the "IQT Survey System". PlanSurveyorTM.....the ultimate building survey solution developed by IQT, is designed to allow a surveyor to methodically and systematically traverse rooms within a building, precisely capturing all unique building elements in the process. This rigorous, self-checking surveying methodology assists surveyors in producing graphical field data that is accurate, consistent and thorough.



Alan Neill
Vice President
BRG

“One Asset Lifecycle, One Asset Management Solution: Providing value and reducing total cost of ownership with Integrated Workplace Management Systems (IWMS)”

Alan Neill is BRG's Vice President overseeing business development across BRG's three service lines: Workplace Business Solutions, Workplace Technology Services and Workplace Management Services. Over the years Alan has worked with clients to deploy IWMS/CAFM technology solutions to support CRE and FM across many vertical markets including technology, financial, higher education, telecommunications and government. In his career Alan has also lead sales at a venture funded start up as well as publicly traded company in the specialized transportation sector. Alan received a Bachelor of Arts in Economics from the University of Texas at Austin.



Glenn Seehausen
President and CEO
ACAD-Plus, Inc.

“Integrating Document Management into Project Close-out”

Glenn is the founder and CEO of ACAD-Plus, Inc., a firm specializing in Electronic Data/Document Management (EDM) and Computer Aided Facilities Management (CAFM) solutions since 1986. Under his direction, ACAD-Plus

developed CAFM software solutions and performed implementations for customers totaling more than 400 million square feet, Glenn has designed and implemented EDM solutions in the facilities environment with a specific focus on universities. His customers use this solution to manage millions of CAD drawings, scanned images, and related documents. He is a returning NCFMTC speaker, presenting at his first conference in 1999.

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Dana K. "Deke" Smith, FAIA

Executive Director, buildingSMART Alliance
National Institute of Building Sciences

"National CAD Standard V5 and National BIM Standard V2 are the Foundation for Your Success"

Deke is the Executive Director of the buildingSMART alliance™ an expanding program of the National Institute of Building Sciences (NIBS) to improve construction productivity through interoperability. He was the founder and former chair of the NIBS Facility Information Council, home of the US National Computer Aided Design (CAD) Standard and the National Building Information Modeling (BIM) Standard. Deke is also a senior analyst with the International Centre for Facilities and a senior analyst with CYON Research, and has his own information consulting firm. He participated in the beginnings of the NIBS Construction Criteria Base and was on both American Institute of Architects (AIA) CAD Layering Guideline efforts as well as the National Institute of Science and Technology (NIST)/ Construction Specifications Institute (CSI) Uniformat II. He was the U.S. representative for facility related CAD to the International Standards Organization (ISO) in the 1990's. He was a winner of the 1996 Federal 100 award, 1997 NIBS Member Award and the 2006 CAD Society Leadership award. He is a registered architect in Virginia and was elected to The College of Fellows of The American Institute of Architects in 2008. He has experience as a surveyor,

assistant field engineer, facility designer, cost engineer, value engineer, life-cycle cost analyst, deputy CIO, and was chief information technology architect for the DoD Business Transformation Agency's modernization effort for installations and environment before his retirement after 30 years with the DoD.



Richard S. Thomas AIA, NCARB, LEED

Vice President
SHP Leading Design

Integrated Design and Construction Partnership Leverages BIM in Complex Renovations & New Construction Projects with Extreme Completion Requirements”

Mr. Thomas is a Vice President and one of several Owners of SHP Leading Design a 110 year old architecture practice with four offices. He is also the Managing Director of the decade old company called 2enCompass; an Integrated Design and Construction Company, equally owned by SHP Leading Design and Messer Construction Company. He has over 35 years of experience as an architect on national and international project opportunities. Mr. Thomas' team has helped advance SHP's position in the marketplace relative to the principles of Building Information Modeling (BIM) and Integrated Project Delivery (IPD). His team's efforts have pushed the use of Revit® throughout a fully integrated multidisciplinary team including all consultants and in some cases subcontractors and fabricators. Mr. Thomas plays an advisory role in two other SHP Leading Design companies that focus on facility management services and on the development of web-based virtual product content for industry use in design, construction and facility operations.



Theresa Thompson, LEED AP
Director of Space Planning
Indiana University

***“Indiana University BIM Case Study (Cyberinfrastructure Building)”
“BIM Birds of a Feather”***

Theresa has worked at Indiana University since 1996, coordinating and supporting various facilities organizations in the logical use of technology (CAD, CAFM, BIM, GIS, web project collaboration) for design, construction, and facilities management. She is also a key player in the overall support and coordination of IU’s Facility Information Management System (FIMS). Recently Theresa has been given the role as Director of Space Planning for all 7 of the Indiana University campuses. Prior to her employment at Indiana University, Theresa worked in the private sector for over 20 years in various Architectural firms in interior design, space programming, and 3D modeling/animation. She was also employed by Cummins in the early 1990’s for space/move management at their Columbus, IN campus.



Cyril Verley, RA
BIM Lifecycle Management for Owners and
the AEC Community
CDV SYSTEMS, INC

“Full BIM Lifecycle Management: Bidirectionally Linking Data with BIM & CAD for Validation Management and Integration with GIS and FM”

Cyril has been practicing architecture for 23 years, registered for 18, an AEC consultant for the past 15 years with the last 7 years focused on Revit services (14 months prior to Autodesk’s purchase of Revit). Cyril founded CDV Systems (www.cdvsystems.com), an AEC consulting company providing BIM training, implementation, project review and courseware to AEC firms worldwide for the

last 15 years. Cyril's corporate client successes for Revit training and implementation include HOK, SOM and Kling Stubbins. He has published BIM articles on numerous occasions in AEC magazines and has written BIM courseware for ADT and Revit that has been sold to the AEC market worldwide. Cyril is also Vice President with London Infotech, Inc. (www.londonites.com), a Revit outsourcing company based in Ahmedabad, India.



Rob Yaeger

Assistant Director, FIS
NC State University

“North Carolina State University Boosts Productivity with AERES all-in-one FM System”

Employed at NC State: 1986 – Present.

State of NC Higher Education Comprehensive Planning Program

Facilities Technical Committee Member, Project Officer

2009 NCSU Facilities Division Award for Excellence Winner

2007 North Carolina Youth Soccer Association Boys Challenge Coach of the Year

Responsible for migrating University building and room data away from mainframe into time saving, web based AERES data system; incorporating A/E library, Real Estate, Design and Construction Project Tracking, and Geographic Information System (GIS) into AERES. Provides direction for system development, beta testing, population, training, maintenance and reporting. Prioritizes and coordinates development of AERES system with ideacode programming firm.

The most rewarding part of Rob's work is in helping people, saving time, providing answers and solutions, using his creativity in software and web design, making a positive, meaningful difference, developing and implementing strategy, team building, and friendships.

Due to a scheduling conflict, Rob will unfortunately be unable to attend this year's conference.



Jason Youngblood
Murray State University

“In the Blink of an Eye: The Fast Track Deployment of an IWMS at Murray State University”

Jason is the CAD Coordinator for Murray State University, Facilities Management, Facilities Design and Construction. Jason has been with Murray State for 15 years. When he first started with MSU is when they purchased their first CAD computer station. Jason has overseen the generation of all existing campus facilities and maps into CAD and has achieved the large task of getting all large format drawings scanned and indexed for electronic use. Jason also works in design and planning for new construction and renovations on campus as well as a project manager for construction projects. Jason has been attending the CFTA conferences since 2005 and claims to have gained great knowledge from his peers and their institutions. Most recently implemented their first complete IWMS system that has brought a whole new level of understanding of their campus facilities



Jeff Van Fleet
Business Development
c2csurveys

" One Asset Lifecycle, One Asset Management Solution: Providing value and reducing total cost of ownership with Integrated Workplace Management Systems (IWMS)"

Jeff joined Coast 2 Coast in 2002 as the National Sales Manager. Since then, he has focused his attention on expanding both the customer base and service offerings. From early successes in the retail and commercial markets, Jeff has helped Coast 2 Coast bring its services of condition assessments, as-built documentation, BIM services, facility management commissioning and 3D laser scanning to the hospitality, healthcare, aviation, industrial and government markets.

Jeff grew up in the shadows of the oil refineries of Southeast Texas and spent several summers working in the plants with his dad. After graduating from college, he served a brief stint in Washington, DC on a Congressional staff where he was responsible for energy and environmental issues. After leaving Washington he returned to Texas and went to work for one of Houston's largest homebuilders. Before joining Coast 2 Coast, he worked as a construction manager in Houston, Texas.

He now lives in Chattanooga, TN with his wife Melissa and their children; Zach, Noah and Ella Grace where he spends much of his free time serving as an Assistant Scoutmaster in his son's Boy Scout troop



Lola Van Wyk

Assistant Director for Design Services
Iowa State University

***"CAFM at Iowa State University with Famis"
"CAFM Bids of a Feather "***

Lola Van Wyk is Assistant Director for Design Services in Facilities Planning and Management (FP&M) at Iowa State University. Her staff is responsible for the design and project/construction management of small projects on campus. She

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was the Work Project Team Leader when FP&M purchased and implemented their computerized facilities management system, FAMIS.

Lola has a Bachelor of Arts Degree in Interior Design from Iowa State University. She began her career with FP&M as an interior designer and has held several positions within the department. Lola is a founding member and past president of the Association of University Interior Designers.



Mark Washington

Manager of Facilities Information Technology
Princeton University

“A CAFM Archibus Implementation Case Study at Princeton University”

Mark Washington is Manager of Facilities Information Technology at Princeton University and has been in this position since 2006. Mark is responsible for the technology infrastructure and enterprise software solutions deployed within Princeton’s largest administrative organization. Mark has a Master of Science in Communications and Information Systems from Rutgers University and is currently pursuing a Doctoral degree in Education Leadership from Rowan University.



Tours

Thursday

2:30 – 5:00

Choose One:

NMAI(American Indian Museum) exterior

- Building Architecture and Landscape

NMAH(Museum of American History)

- Central Core Renovations (1st and 2nd floors - focusing on Star Spangle Banner)

ED(Science Education Department) Open House

- SED staff demonstrates their equipment

National Air and Space Museum

- Mechanical spaces



Sponsors and Exhibitors



ACAD-Plus, Inc.

ACAD-Plus is a full-service firm specializing in Document Management, Engineering Content Management, and Integrated Workplace Management Systems software and services in the Facilities Management industry. ACAD-Plus is a premier Solutions Partner for BlueCielo, focusing on the unique document management challenges in the Higher Education FM environment. ACAD-Plus developed IntelliModules to enhance BlueCielo's Meridian software to match the integration requirements of our Higher Education FM customers. This solution integrates Meridian with existing Project Management, Maintenance Management, and Space Management systems. ACAD-Plus also developed FMG-Plus and the FAMIS AutoCAD Interface, the most powerful and flexible solution for linking AutoCAD drawings to FM data. To round-off our full-service approach we provide "as-built" field verification and drafting services, having documented more than 400 million square feet of facilities worldwide.



Coast 2 Coast Surveys

Coast 2 Coast leverages years of experience and expertise to provide a comprehensive portfolio of services and products for clientele in the fields of architecture, engineering, construction and branding. Grounded in providing efficient, quality as-builts, branding surveys and a variety of field services, Coast 2 Coast is constantly evolving to meet the ever changing needs of our clients. From design support to 3D modeling and BIM consulting to construction management collaboration, we offer a wide range of additional services to accommodate our clients' everyday needs. Always pushing the technological envelope, Coast 2 Coast can also bring to bear a variety of advanced geospatial services such as 3D laser scanning, GPS and ground penetrating radar to complex or unusual projects. Coast 2 Coast touches an array of disciplines that serve the needs of today while standing ready to accommodate the visions of tomorrow.



Concept3D

Concept3D's team and network of designers, 3D modelers, photographers and Web developers work with clients to improve their presence with imagery, social media, Google Earth and Google Maps. Over the past five years, concept3D has become the premier location based development company using Google Earth and Google Maps - notably for top brands such as Duke University, Disney, Google, MIT, Harvard Business School, SunPower Systems and others. Additionally, clients benefit from concept3D's software as a service - Atlas - the most advanced, easy to use, mapping content management system available.



Ecodomus

EcoDomus is the leading provider of Building Information Model (BIM) solutions for Facility Lifecycle Management. From design, construction and commissioning, into Operations & Maintenance, EcoDomus enables continuous data collection and validation using COBie, and integration of BIM with CMMS/CAFM/BAS/GIS.



ESRI

Esri, the world leader in geographic information systems (GIS), offers GIS software and solutions that integrate with the top facilities management software and consulting firms, making it easier than ever to extend the life of your FM data.



FMSystems

A leading provider of IWMS and CAFM software, FM:Systems helps facility and real estate professionals improve customer service, reduce costs and increase productivity enterprise-wide. FM:Systems' Web-based software integrates with AutoCAD(r) and Revit(r) BIM models and improves management of space, occupancy, moves, maintenance, sustainability, and leases. Customer results include: real estate costs reduced by 15%, move spend reduced by 88% and enterprise productivity savings of US \$1.5 million.



Infoquest Technologies

Featuring PLANSurveyor our flagship software application that has single-handedly defined a product category all its own! This "killer-app" has revolutionized the process of field created existing conditions ["as-built", or "as-is" as we call it!] building floor plan documentation. Positioned as a standalone front-end to your existing CAD, PLANSurveyor automates the building survey process in a fashion that is just not possible with CAD. Not only is knowledge of CAD not required to use PLANSurveyor, in fact, as we say, if you know "up from down" and "left from right", and are able to tell the difference between "a wall, a window and a door", then you know PLANSurveyor! Universally recognized as the most technologically advanced and feature rich program of its kind, when coupled with the latest in mobile computing [Tablet PC's & Ultra PC's] and laser distance meters, PLANSurveyor's elegant and easy to use interface, quickly and accurately transforms simple measurements into architectural CAD floor plan models of any existing structure. If you want to create existing conditions building floor plan documentation up to sixteen times faster when compared with conventional methodologies and traditional approaches, then PLANSurveyor is the only tool for you! We welcome you to join the many NCFMTC member institutions that are included in the over 500 million gross square feet of floor plans documented with PLANSurveyor and the "IQT Survey System". For more information, please call 1-800-478-4347 or visit us at www.iqt.com.



WeAreBuilding.
Messer Construction

Messer Construction Co. is a construction manager and general contractor providing leadership for complex commercial building projects. Founded in 1932, Messer has built a premier reputation through outstanding construction experiences and value with a focus on health care, life sciences and higher education. An employee-owned company, Messer ranks nationally as one of the Top 100 largest contractors as well as a Top 40 green contractor. Messer was honored with the 2009 International Torch Award for Marketplace Excellence by the Council of Better Business Bureaus for superior commitment to exceptional standards that benefit customers, employees, suppliers and surrounding communities.



NRINET

NRI is a trusted peer and business partner to design, architecture, engineering and construction professionals, providing integrated graphic and content solutions custom tailored to their unique requisites. For the creative community, marketers and artists, NRI delivers exquisite color print and software solutions. NRI consists of four divisions providing a wide range of services:

Reprographics

Marketing Communications

On-Site Services

Technology Services