

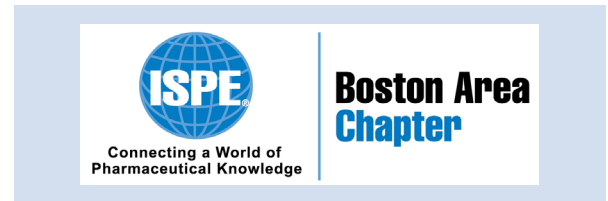
ISPE Boston Area Chapter Presents:
**Building Information Modeling (BIM):
From Concept to Substantial Completion (and Beyond)**

Thursday, January 17, 2013

5:30 pm to 9:00 pm

UMass Medical School (UMMS)

Faculty Conference Room S1-342, First floor
55 North Lake Avenue, Worcester, MA 01655



PROGRAM SUMMARY:

There continues to be a great deal of conversation around the topic of building information modeling (BIM) in the design, construction, and facilities management worlds. For designers, BIM offers the opportunity to engage with users in real time to reflect design decisions of lab spaces. Modifying the model during the user meetings, designers and lab users get it right during the design process in lieu of understanding the concept at move-in. BIM also presents new opportunities for streamlining the facilities management process once construction is complete. Using the data in the model allows facilities managers the opportunity to better control space allocations and tracking, evaluate move management and control equipment management. Attendees will understand the realized benefits of an effective BIM implementation (not just in concept but \$ and time) with the help of virtual models and a tour.

In the first presentation, HDR will touch on a number of the projects for which BIM was leveraged, as well as present a real-world case study. These real world case studies leveraged BIM to improve the design process, expedite user sign-off, and enhance facilities management capabilities, all making the facility manager's life easier. The second presentation will be given by the ASC Project Team (UMMS, SCCI, PMA and ARC) who just finished building the showcase project next door. To continue to build on its strengths in medical research and advanced therapeutics and stem cell development, the University of Massachusetts Medical School (UMMS) is creating an interdisciplinary, state of the art research facility designed to encourage interaction and collaboration among researchers and promotes innovation and synergies across disciplines. Under this UMMS Program are three projects totaling \$440M that were constructed under the direction of the University of Massachusetts Building Authority (UMBA).

For the University's 500,000 square-foot Albert Sherman Center (ASC) project, the team has created an intelligent BIM model. The final deliverable will be a model that provides MEP engineering intelligence for future renovations as well as ongoing facilities maintenance with a full online project database which includes O&M's, Commissioning data, plans, specifications and beyond. The team is also exploring links with the Building Management System (BMS) as well as the computerized maintenance management system (CMMS). When complete, this model may become the basis for BIM usage for the entire UMass system. The Albert Sherman Center will accommodate 300,000 ft² of space for wet research laboratories, cold rooms, and core research space; and 200,000 ft² of dry research and educational space, including teaching areas, a 360-seat auditorium, conference center, cafe, fitness center, and support staff spaces. Substantial Completion will be in December 2012 and researchers moving in Spring of 2013.

SPEAKER: 1st Presentation

Brian Sykes, AIA, Architect and Project Manager, HDR Architectures (Bethesda, MD Office)

Brian Sykes, AIA is an architect and project manager with HDR Architecture's Bethesda, Maryland office. He is focused on leveraging BIM during the design of Science and Technology projects. Before joining HDR, Brian was a BIM Consultant at AEC Infosystems in Baltimore, Maryland, where he focused on support and modeling of federal facilities and BIM implementation at architecture firms across the Mid-Atlantic. Brian earned a Bachelor of Science in Architecture from Clemson University and a Master of Architect from Virginia Tech's Washington Alexandria Architecture Consortium. He is an adjunct faculty member at Virginia Tech's WAAC where he teaches sustainability and building technology. Brian is a member of the American Institute of Architects (AIA) and the Washington, DC Building Enclosure Counsel.

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SPEAKERS: 2nd Presentation

John Baker, Associate Vice Chancellor of Facility Management Partner, UMass Medical School

John Baker is the Associate Vice Chancellor for Facility Management at the UMass Medical School, Worcester, MA. He has been in this position for the last ten years and prior to UMass, John served in the U.S. Navy's Civil Engineer Corps, retiring after twenty years' service. John earned a Bachelor of Science in Civil Engineering from the University of New Hampshire and a Masters of Science in Construction Engineering and Management from Purdue University. John is a registered professional engineer in New Hampshire and Massachusetts.

Tom Watson, Regional BIM/VDC Director, Suffolk Construction Company

Tom Watson brings 20 years of industry experience as a Mechanical Engineer specializing in mechanical, electrical, and plumbing/fire protection (MEP/FP) on projects spanning the healthcare, education, and commercial market sectors. The majority of his career was spent working as a plumbing and fire protection engineer at Symmes, Maini & McKee Associates, focusing on the engineering design of schools, healthcare, and research facilities.

As one of the regional BIM/VDC Directors at Suffolk, Tom is responsible for developing and maintaining Building Information Modeling (BIM)/Virtual Design and Construction (VDC) processes for all projects. He utilizes 3D modeling for all MEP/FP systems, identifying potential collisions, clashes, and constructability issues; provides 4D scheduling simulations of construction sequences; supports estimating in extracting quantities from the models (5D); and develops customized 6D Facilities Management solutions to support an owner's life cycle management of a building.

Erik Servies, AIA, Associate, PMA Consultants

Erik Servies, AIA is an Associate with PMA Consultants and has been providing Owner's Project Management services with PMA for over three years. Erik earned a Bachelor of Architecture from Wentworth Institute of Technology and an MBA from Babson College and is a Registered Architect in Massachusetts. Erik is a member of the American Institute of Architects (AIA), the Construction Management Association of America (CMAA) and the Boston Society of Architects (BSA). He is a frequent presenter on BIM in the Boston area, and nationally, focusing on the Owner's perspective of BIM 6D, BIM implementation and IPD "lite".

Mark Dolny, AIA, LEED AP, Associate Principal, ARC/ Architectural Resources Cambridge

With over fifteen years at ARC, Mark has an extensive amount of experience with educational clients having managed a large portion of the firm's academic projects, including master planning and programming. Mark is currently overseeing the Albert Sherman Center (ASC) for the University of Massachusetts Medical School. In this role, he has managed all programming and design for the medical education facilities component of the ASC, specifically the development of the Center for Experiential Learning and Simulation (CELS) and the creation of new Student Learning Communities within the new facility.

MEETING MANAGERS:

Sean Brown, Barry-Wehmiller Design Group

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PROGRAM SCHEDULE:

5:30 – 6:15 PM Registration & Networking Reception

6:15 – 6:45 PM Building Tour

6:45 – 7:00 PM Welcome & Program Introduction

7:00 – 9:00 PM Panel Presentations; Q&A

REGISTRATION FEES:

Registration by 01/10/2013 After 01/10/2013

<input type="checkbox"/> Members	\$50	\$60
<input type="checkbox"/> Non-members **	\$95	\$115
<input type="checkbox"/> Students	\$5	\$10

** Attendees may only attend one program as a non-member.

REGISTRATION IS NOW OPEN ONLINE!

Don't waste time filling in the form! Register online at www.ISPEBoston.org/Events.

Pay by credit card OR check.

Name: _____ Title: _____

Do you wish to opt out of being listed on the attendee roster:

Company: _____ Member #: _____

Address: _____ City: _____ State: _____ Zip: _____

Tel: _____ Fax: _____ Email: _____

PAY BY CREDIT CARD: Visa MasterCard American Express

Card #: _____ Expiration Date: _____

Cardholder Name (as it appears on card): _____

Cardholder Signature: _____

Payment may be mailed to: ISPE, Boston Area Chapter, 411 Waverley Oaks Road, Suite 331B, Waltham, MA 02452
Telephone: 781-647-ISPE (4773) ☒ Fax: 781-647-7222 ☒ Email: office@ispeboston.org

****PLEASE NOTE: CANCELLATIONS RECEIVED AFTER January 10th ARE SUBJECT TO BILLING****

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From I-495 N,

- Take exit 23B to merge onto MA-9 W/Boston Worcester Turnpike/Turnpike Rd.
- Continue to follow MA-9 W for 10.8 miles.
- Turn right onto Plantation Street.
- Take 1st right onto Research Drive.
- Continue onto S Rd for .1 mile.
- Destination will be on the right.

For Door to Door Directions click here: <http://maps.google.com/maps?hl=en&tab=wl>

On the campus map - you would be entering where it states Medical School Lobby. The conference room is on the right when you come through the door. Parking is available in the South Road Parking Garage.

