Agenda

Presented by Mark Gibbons

Building Information Modeling (BIM): Concepts and Processes
Weaknesses in traditional design and construction processes
Introduction to parametric design
Opportunities for improving processes and outcomes
Development of BIM concepts
Defining key terms and procedures

BIM Systems, Standards and Stakeholders
Moving beyond CAD: Development of 3D/4D/5D/6D/7D BIM
Identifying the benefits of BIM
BIM interoperability
Facilitating and maintaining data exchange

BIM from Project Conception through Building Operation
BIM in civil engineering
BIM in architectural design
BIM in structural design
BIM in MEP design
BIM for contractors
BIM for building owners

Introduction to BIM-Capable Software
Bentley Microstation
Autodesk Revit
Civil 3D
Graphisoft ArchiCAD
Vectorworks
Solidworks

The Immense World of BIM
Laser scanning
Integrated project delivery
Clash detection
Energy analysis and sustainability

BIM in Practice: Case Studies

Learning Objectives

You’ll be able to:

Explain key terms, procedures, and concepts of building information modeling.

Understand the weaknesses in traditional design and construction processes and the opportunities for improving outcomes.

Discuss BIM’s use in civil and structural engineering, architectural design, and MEP design, and explore BIM for contractors and building owners.

Evaluate Autodesk Revit, Civil 3D, Bentley Microstation and other software.

Facilitate data exchange and clash detection.

Review various case studies.

Building Information Modeling

Toledo, OH - Wednesday, October 2, 2019

Understand building information modeling (BIM) concepts and processes
Identify BIM systems, standards, and stakeholders
Examine BIM from project conception through building operation

Learn about BIM interoperability and clash detection
Explore BIM-capable software
Discuss BIM case studies

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW

Contractors
Non-Credit Continuing Ed.

Find us on Facebook
Mark Gibbons  BIM Manager/Senior Architectural Designer at GJX Studio, Inc.
Mr. Gibbons has more than 15 years of experience working in architecture offices, both large and small, and he gained experience in small business ownership through developing his own business in architectural consulting. Through designing, developing construction documents and working with clients, consultants and contractors throughout a project’s lifecycle. Mr. Gibbons has gained experience with all levels of the architecture process. This experience provides him with crucial input in regards to BIM-related development and procedures. As a BIM manager, Mr. Gibbons works with the firm’s principals to stay ahead of the technology curve and direct the firm in its continued adoption of building information modeling. Mr. Gibbons provides support, training, and assistance for staff, consultants and clients to maximize the development of all projects. He has experience as BIM manager with multiple firms throughout southeast Michigan, and also teaches Revit and BIM to faculty and students at the University of Michigan. This experience gives him a rounded approach to the best practices in assisting firms to work with their clients to meet a project’s fullest potential. Mr. Gibbons provides support, training, and assistance for staff, consultants and clients to maximize the development of all projects. He also organized and leads the Huron Valley BIM User Group for the Ann Arbor, Michigan, area.

Tuition
$289 for individual registration
$269 for three or more simultaneous registrations.
Each registration includes a complimentary continental breakfast and printed seminar manual.
Receive a reduced tuition rate of $101 by registering to be our on-site coordinator for the day.
For availability and job description, please visit www.halfmoonseminars.org

How to Register
Visit us online at www.halfmoonseminars.org
Mail-in or fax the attached form to 715-835-6066
Visit us online at www.halfmoonseminars.org

Continuing Education Credit Information
This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 continuing education hours to architects in all states. Educators and courses are not subject to preapproval in Ohio.
This seminar is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. 0838). Only full attendance can be reported to the AIA/CES. Visit www.halfmoonseminars.org for complete AIA information under this course listing.
HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700559), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects.
This course offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor licensing entity for licensing maintenance.
Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Registration
Building Information Modeling
Toldeo, OH - Wednesday, October 2, 2019

How to Register
Online: www.halfmoonseminars.org
Phone: 715-835-5900
Fax: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

© 2019 HEI #19 OHBLDGIM 10 2 TOLE JB