

Organizers:



Technical Seminar on Integrated Building Design & Building Information Modeling

Date : December 12th, 2012 (Wednesday)
Time : 18:45 – 20:45
Venue : Room N116, Block N, The Hong Kong Polytechnic University
(Map: <http://www.polyu.edu.hk/fmo/eMap/map.php>)

Abstract:

This presentation focuses on the Integrated Building Design and Project Delivery processes including team building, project management, stakeholder responsibilities, early collaboration, better decision making, documentation methods and the use of technologies like BIM to improve the built environment. The presentation provides an overview of ASHRAE Applications Chapter 57 and how to apply its recommendations to help design, construct, operate and maintain better buildings. In addition the presentation focuses on the value and uses of BIM to Owners, Architects, Engineers, and the community. It provides a consistent definition of BIM and provides the Mechanical Engineer with the information needed to begin the process of adopting and using BIM as an integrated design tool to optimize mechanical systems design, improve collaboration, minimize coordination errors and deliver better work products and results. It also provides Mechanical Engineers with the information they need have included in a BIM by the Architect before they receive it so that they may take advantage of its value without having to spend unproductive time cleaning up corrupt or incomplete files and filling in missing information.

Honorable Speaker:



M. DENNIS KNIGHT, PE,
LEED AP, CCS, CxA, BEMP
Principal, Whole Building
Systems, LLC
Charleston, SC

M. Dennis Knight has 38 years of experience providing engineering, design and construction related services within the building industry. Active at the local, state and national levels with various agencies and professional societies, he works to help develop sustainable, integrated building design guidelines.

Nationally, as a member of ASHRAE, Mr. Knight is the immediate pas Chair for Research Promotion, past Chair of Technical Committee (TC) 7.1 “Integrated Building Design”, the current Vice-Chair of the ASHRAE BIM MDTG and is Chair of the ASHRAE 2014 Energy Modeling Conference Committee. He has also served as the President of the Charleston Chapter twice since he joined the Society in 1979.

As a Principal and Founder of Whole Building Systems, LLC Mr. Knight utilizes his experience in the design and construction industries to assist Building Owners, Architectural and Engineering Design Professionals, Project Managers, and other Clients and Consultants. Mr. Knight conducts Energy Audits, performs Energy Modeling, provides Building Conditions Assessments, Green House Gas Emissions Inventories, prepares Sustainability Plans, facilitates and conducts Owner’s Project Requirements Workshops, prepares

Commissioning Plans and provides on-site commissioning and third party verification services. In addition he develops quality assurance requirements, checklists and guidelines to help facilitate interdisciplinary coordination during the Design and Construction Phases of a Project and assists the preparation of Construction Documents (Procurement Documents, Drawings and Specifications) and Contracts. He performs Code Analysis and Product Research and prepares LEED Documentation.

Prior to founding Whole Building Systems, LLC Dennis was a Principal and Director of Practice Management for Liollo Architecture in Charleston, SC for 6 years. Mr. Knight used his experience in design and construction to assist the architectural and design professionals, project managers, business development department and corporate

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management within the firm and their consultants and clients in the preparation of construction documents (procurement documents, drawings and specifications) and contracts, performs code analysis and product research, prepares LEED Documentation, and prepares design and construction cost estimates.

Prior to joining Liollo Architecture, Dennis was an owner and managing member of a local engineering and construction company for 23 years. He strives to facilitate the integration of each element and discipline required in a project, with consideration for the life-cycle costs and benefits related to those elements, so that all the pieces and parts of a design work together in concert with each other and their surroundings.

Mr. Knight holds an assortment of professional registrations and accreditations. He is a Registered Professional Engineer in both Mechanical and Fire Protection Engineering in South Carolina, and a Registered Mechanical Engineer in North Carolina, and Wisconsin. He is a LEED Accredited Professional. Mr. Knight is also a CSI Certified Construction Document Technologist and Certified Construction Specifier, ASHRAE Building Energy Modeling Professional as well as an ACG Certified Commissioning Authority.

Language: English

Fee: Free of charge for members of Organizers
Free of charge for full time students or staff of The Hong Kong Polytechnic University

Remark: 2-hour CPD certificate will be provided.

Application:

This is a joint activity organised by ASHRAE-HKC, HKIE-BSD and CIBSE HK Branch. Registration is opened to all members of the organising institutions. Please complete and return the application form by e-mail on or before 30th November 2012. Number of participants is limited to 48. Places will be allocated on a first-come-first-served basis and will be distributed evenly among the three institutions and HKPU as far as possible. Successful applicants will be informed individually by e-mail on or before Dec 7th, 2012.

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| Application Form: Technical Seminar on Integrated Building Design & Building Information Modeling | |
| Name (Dr./Ir/Mr./Mrs./Ms.)* | : (Surname) _____ (Given Name) _____ |
| Membership* | : Organization: _____ Membership No.: _____ |
| Company* | : _____ |
| Position* | : _____ |
| Email Address* | : _____ |
| Contact Numbers | : (Mobile)*: _____ (Office): _____ |
| * Information must be filled. | |
| Enquires: | For enquiry, please contact Mr. Cecil Man at 95033649 (ASHRAE – HKC), Ir. KT Cheuk at 92092155 (HKIE-BSD) or Ir. Stanley CHOW at 91339259 (CIBSE HK Branch). Email enquiries can be sent to mc.chan@jec.com . |
| Registration: | Please send the filled application form <u>before 30th November 2012</u> . The applicant may email the above information to mc.chan@jec.com for place reservation. Successful applicants will be notified by email on or before Dec 7 th , 2012. |