



Conspectus

November 2009



Michael J. Adams, CSI, LEED AP

October's event was a tour of the new 100,000 sq ft Fuchs Mizrahi School building that is now under construction in Beachwood, Ohio it will consolidate the educational programs currently housed at two separate properties in adjacent communities. The project expects to receive LEED for Schools Gold Certification. It is designed for an enrollment of 550 including early childhood from pre-nursery through kindergarten, a lower school for grades 1 through 6, and an upper school for grades 7 through 12. Bruce Horton from Bialosky + Partners the designers for this project provided the tour for our members. Keep checking the calendar page for up and coming events. If you have any ideas for new events or topics please let us know.

In this issue:

- Upcoming events
- BIM/LEED committee
- How to contact your CSI Chapter Board

News Articles:

How to pass the LEED AP exam in three (not-so-easy) steps

The USGBC recently revised its LEED AP certification and has established new levels of accreditation. The newly revamped LEED AP exam, which consists of both the two-hour Green Associate test coupled with a two-hour LEED AP exam, is the way to go for professionals involved in actual design, specification, engineering and construction. So, how do you pass the test? Read on. [More](#) source: ASID newsletter Oct 23, 2009



Hospitals Explore Cool Roofs

The Children's Medical Center opened a new outpatient center in Springboro, Ohio. The Daytona Centers facilities director, Edd McGatha was chosen to help determine which roofing system should be used. When choosing their roofing materials they decided to go with cool roof materials, highly reflective materials that stay cooler in the summer sun compared to traditional roofs.

[Read more...](#)

Source **The Green Building Focus eJournal; Vol 1, Issue 10**



New Web Site Provides Training for Green Building Pros

The New Jersey Institute of Technology (NJIT) now provides free video-based educational courses and case studies providing the basic information for building affordable green homes. This interactive on-line course was developed by NJIT's Center for Building Knowledge and it provides training for industry professionals to learn the basics of green home building.

[Read more...](#) Source **The Green Building Focus eJournal; Vol 1, Issue 10**

- **Column: Materials prices stay steady**

The construction materials price index has remained steady for the past three months, suggesting that the sharp drop in materials prices is over, Jim Haughey writes. The index fell 7.5% from September 2008 to August 2009. He expects a slight upward change is likely over the next six months and notes that the construction industry and the overall economy are "operating well below potential." [Reed/ACP Construction Data](#) (10/19) [Share](#) [in](#) [f](#) [t](#)

BIM/LEED/ USGBC Updates

CSI Cleveland has created a committee dedicated to keeping the chapter up to date on the advancements in BIM, USGBC, and LEED. If you would like to participate in this committee or have articles you feel would benefit the chapter please submit to the chapter mailbox at conspectus@csicleveland.org

Bim in the Know

BIM use in North America breakdown:

56% West
52% Midwest
49% Canada
45% South
38% Northeast

Architects, who were early adopters of the technology, remain the highest users of BIM. Six in ten of all architects create BIM models with half of users also analyzing them. Today, 43% of architects who use BIM consider themselves advanced or expert users compared to 26% in 2007.

Contractors are gaining ground faster than any other group, as more users discover the value of the technology beyond the pure design process. Half (50%) of contractors report using BIM or BIM-related tools—four times the level reported in 2007 (13%).

A majority of contractors (57%) see the potential of BIM to reduce rework as a significant benefit. Fixing problems early means fewer issues in the plans and ultimately fewer hassles in the field.

Four in ten engineers (42%) use BIM, but they continue to lag behind architects and have been surpassed by contractors in use. Many engineers report that they struggle to find sufficient BIM-compatible content to meet their needs or they don't see BIM's application to their practice. Even though views can differ by discipline, for them the analysis is simple: less problems equals more profit. Reduced errors and omissions in construction documents is the third ranked way that BIM benefits their business. Reduced conflicts and changes during construction are among the top three ways that engineers say BIM adds value to a project.

Two-thirds of BIM users say they see positive return on investment on their overall investment in BIM.

87% of expert users are experiencing positive return on investment with BIM.

93% of BIM users believe there is potential to gain more value from BIM in the future.

80% of users give it high to very high importance for better multiparty communication and understanding from 3D visualization is the BIM benefit rated most likely to improve return on investment

Expert users (77%) see the potential of BIM to reduce rework as a significant benefit, compared to fewer beginners who see it that way (23%).

Many users (47%) say adding BIM to their toolbox brings a high level of benefit to their practices.

Source: McGraw Hill Construction 2009 SmartMarket Report. Surveying thousands of AEC participants in North America

Upcoming Events

Event of interest from the Akron CSI chapter

WEDNESDAY, November 18, 2009 - NOTE CHANGE OF DATE

Join us as Stuart Nicholson, Public Information Officer with the Ohio Rail Commission discusses Ohio's High Speed Rail Corridor.

Location: Tangier's, 532 West Market Street, Akron, OH 44303

Time: 5:00 - Social
6:00 - Dinner
7:00 - Program

Cost: Akron-Canton CSI members (including student members) - included in 2009/2010 dues. Non-chapter CSI or AIA members and guests - \$25.00

To Register: Contact Brandilyn Fry at 330-836-2343 or bfry@fmdarchitects.com by **Friday, November 13, 2009 at noon** or to register online visit

http://www.akroncantoncsi.org/chapter_meeting1.html

Learning Units:

1.5 AIA Learning Units or 0.15 CSI Continuing Education Units will be issued for this seminar. This seminar is equal to 1.5 contact hours for other organizations requiring continuing education.

Event from NEO

Spotlight on Green Roofs

Our Chapter, in partnership with **Cuyahoga Soil & Water Conservation District**, is hosting an informational session on vegetated roofs. The speaker is Tom Bauer of The Garland Company. He will present various applications (tray systems versus inclusive layered plug systems) and outline the requirements, efficiencies and environmental benefits of vegetated roofs. The program will commence with a tour of the green roof installed on site 6 years ago!

This workshop qualifies for **one Continuing Education Unit** with AIA / CES.

Date: **Wednesday, November 4th**

Time: **3:30 pm - 5:00 pm**

Location: **3500 Lorain Avenue in Cleveland**

There is no cost to attend this event. Register on the Events page at www.neogreenbuilding.org.

Green Building Design + Construction Workshop

Northeast Ohio Chapter of the USGBC presents the workshop Green Building Design and Construction: The LEED Implementation Process. This new workshop replaces the former LEED for New Construction version 2.2 workshop.

Date: **Thursday, November 19th**

Time: **8:30am - 5:00pm**

Location: **Lower Level at 3500 Lorain Avenue in Cleveland**

This 300 level workshop is intended for professionals who are familiar with LEED for New Construction or the LEED for Core & Shell Rating Systems. There is no prerequisite course to attend this workshop. It is appropriate for those implementing these systems on green building projects and for those pursuing version 3.0 LEED AP Building Design + Construction credential. Continuing Education Units available to AIA, BOMI, CSI and IFMA.

An official USGBC LEED facilitator will walk the participants through the phases of a typical project and the key decisions that project teams must make. Participants will be engaged in interactive activities that use case examples to enable them to work hands-on with the LEED Rating System.

Registered participants will receive exclusive online access to the reference guide and/or can order one hardcopy of the reference guide at a discounted rate. Discounts also apply for USGBC members and early registration.

ONLY 30 SPACES REMAINING - DO NOT DELAY TO REGISTER.

To register, please visit Greenbuild365

<http://www.greenbuild365.org/coursedetail.aspx?ID=90000336>

Generously sponsored by **CSI Cleveland Chapter** and **Sherwin Williams**

December



*National Association of Women in Construction
Cleveland Chapter #156*

invites you to attend its

Sixth Annual Joint Associations Holiday Social

Thursday, December 3, 2009

at

*Embassy Suites Hotel - Independence
5800 Rockside Woods Blvd., Independence, OH 44131*

Join the members of the participating associations for an evening of networking,
holiday spirits, good food, fun and fellowship:

AGC of Ohio - Cleveland Division (AGC)

American Institute of Architects (AIA)

American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE)

American Society of Professional Estimators (ASPE)

The Builders Exchange, Inc. (BX)

Construction Employers Association (CEA)

Construction Financial Management Association – Northeast Ohio (CFMA)

Construction Management Association of America – Ohio Chapter (CMAA)

Construction Specifications Institute – Cleveland Chapter (CSI)

Hard Hatted Women – (HHW)

Mechanical and Plumbing Industry Council (MAPIC)

Ohio Contractors Association (OCA)

Society for Marketing Professional Services – Northeast Ohio Chapter (SMPS)



All guests are asked to help our community by participating in the Canned Food Drive for the Hunger Network.
Each person that donates will receive one free ticket to participate in the Chinese Auction

Beautifully decorated themed baskets at the Chinese Auction - tickets are \$1.00 each or 6/\$5.00

Start your holiday shopping with the 50/50 Raffle - tickets are \$5 each; 3/\$10; and 7/\$20.

Personal or company donations welcome. See the attached donation form.

Fill out and mail the attached reservation form, along with your check to: Jennifer Kless,
c/o Infinity Construction Company, 18440 Cranwood Parkway, Warrensville Hts., OH 44128
NO later than November 20th. Make check payable to: ***NAWIC Cleveland Chapter #156***
Ph: (216) 663-3777, Fax: (216) 663-3778, jkless@infinityconstruction.com

Your CSI Chapter Board members:

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Coming next month

Would you like to know more about your board members? How about your fellow chapter members? Would you like to introduce yourself to the chapter? Look for more information on these topics next month!

To all Members

If you are currently not receiving The Conspectus via email and would like to, please send us an email at conspectus@csicleveland.org Thanks!

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