BETTERBRICKS PROFESSIONAL TRAINING PROGRAM:
UNIVERSITY OF IDAHO & BOZEMAN INTEGRATED DESIGN LAB
IDL SPRING 2009 EDUCATION SERIES – *REGISTER NOW TO ATTEND*

TUESDAY, MARCH 17
Informed Architecture: Modeling and Measuring the Ecological Performance of the Aldo Leopold Legacy Center

The Aldo Leopold Leopold Legacy Center was designed to be a net zero energy building as well as being carbon neutral in operation. The design strategies include super insulation, passive solar orientation, daylighting, natural ventilation, ground source heat pumps, radiant floor slabs for heating and cooling, and 100% outdoor air ventilation. Site based renewable energy resources include a 39 kWp photovoltaic array, solar hot water collectors and site grown biomass (wood). This presentation describes the design process for the net zero energy building and presents measured performance data. A general approach to the design of Net Zero Energy buildings will be described.

Speaker – Mike Utzinger, UMW

THURSDAY, APRIL 9
Energy Modeling Vs. Reality

Modeling & prescriptive rules can be excellent tools for designing buildings. Unfortunately, buildings have a stubborn habit of performing based more on how they're used and the laws of physics than their computer simulations. Until humans live a purely virtual world, like the Matrix, it is worthwhile to note where reality trumps the most sophisticated analysis and design guidelines. This presentation will outline some of these situations, as well as hint at some of the new modeling tools on the horizon.

Speaker – Micah Allen, Manager, E source Technology Assessment Service

THURSDAY, APRIL 16
Everything you ever wanted to do with a dimming ballast, but were afraid to try: Research from NRC

Dimming ballasts, with appropriate controls, can be used to save lighting energy in many ways including daylight harvesting, occupancy detection, task tuning, and lumen depreciation compensation; combined lighting energy savings can be 50%. By providing occupants with personal dimming controls, additional energy savings of about 10% can be achieved, along with improvements in occupant satisfaction, mood and comfort. Further, dimmable lighting systems can be used as part of a demand response strategy to lower peak energy use in buildings. This presentation will review these control technologies, and numerous laboratory and field studies of their performance.

Speaker – Guy Newsham, NRC

THURSDAY, APRIL 23
Shaping Architecture: Building Form and Daylight Performance

Provision of effective and functional daylight illumination to interior spaces is fundamentally an issue of architectural form. This discussion will focus on conceptual building planning for effective daylight design, understanding the

SESSION INFORMATION:

March through May 2009
All sessions from 4:30 to 6 pm at the University of Idaho Integrated Design Lab, 108 N. 6th St. Boise. Any interested parties not able to attend in person can watch a live videostream. Log in a few minutes previous to the 4:30 (Mountain Time) start time.
www.idlboise.com

These workshops are brought to you by BetterBricks in partnership with:

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SHAPING ARCHITECTURE – *CONTINUED FROM FRONT*

sky and landscape as a light source, and refining building elements to ensure visual comfort and maximize energy savings potential. Concepts will be illustrated through case studies of both historic and contemporary design work.

Speaker – Christopher Meek, AIA is a Research Assistant Professor of Architecture at the University of Washington

THURSDAY, MAY 7

Office of The Future

Southern California Edison is heading up a multi-utility consortium to develop a comprehensive way to reduce energy use in new and existing offices. The initial target of the Office of the Future is a 25% reduction beyond code, with more aggressive targets later. New Buildings Institute staff will be working to develop the 25% solution, complete market research on "tenant improvement" processes and set the stage for additional development tasks. This session will be a dynamic presentation on the guidelines and principles for the next generation of leading edge offices.

Speaker – Doug Avery, Southern California Edison Program Manager

THURSDAY, MAY 14

Earn revenue and reduce your energy use with Demand Response (DR).

Learn about the Idaho Power Commercial DR program – a new voluntary program for larger energy users who are able to reduce power consumption for a limited number of hours per year. There is no cost to participate and participants receive regular payments for being part of the program, with additional payments based on how much energy they can save during a demand response event. In addition, participants can learn more about how they use energy, knowledge that often leads to changes that reduce ongoing energy use and cut cut costs. IPC is implementing the new program to ensure that electricity supply meets rising demand and to ensure reliable and affordable electricity is available throughout the region. EnerNOC, a third-party energy management firm that IPC is partnering with to offer the DR program, will be on hand to discuss the program details and how commercial and industrial customers can participate.

Speaker – Billie Jo McWinn, Idaho Power Company

REGISTRATION FORM

To attend any or all of the sessions, please fill out the form below and fax it to (206) 292-4125 or email the following information to **training@betterbricks.com**.

For those attending via the internet, please give give yourself a few minutes previous to the 4:30 pm start time to sign in.

I would like to attend the following session(s):

☐ 3/17 ☐ 4/9 ☐ 4/16 ☐ 4/23 ☐ 5/7 ☐ 5/14

Name:_____ Title:_____

Company: _____ Email:_____

Phone: _____ Fax: _____

Address:_____ City/State/Zip: _____

Confirmation of your registration will be e-mailed to you just prior to the event.

Fax or mail registration form to:

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