

INTEGRATED



DESIGN LAB
University of Idaho

Professional Educational Program

UNIVERSITY OF IDAHO INTEGRATED DESIGN LAB 2011 FALL LECTURE SERIES

REGISTER NOW TO ATTEND

SEPTEMBER 22

Deep Savings in Existing Buildings: Using Case Studies in Our Search for Success

Despite a growing awareness of the need to become radically more energy efficient, the small to mid-sized commercial real estate market has been slow to implement energy efficiency retrofits. This sector represents a majority of the existing commercial building stock and a huge potential for meeting climate and energy policy goals, utility efficiency targets and real estate objectives—especially in a competitive rental market. NBI, in partnership with NEEA's BetterBricks' initiative has investigated the retrofit market. Building on the measured performance associated with this work, including case studies and research, this presentation focuses on the characteristics and performance data of actual buildings needed to help owners and others understand the value of retrofits. This includes identifying what's working and where a building falls short of expected or target performance. In addition, the case studies and research help identify barriers to, and ongoing needs for, implementing deep savings in existing buildings.

Presented by: Mark Lyles, New Buildings Institute Project Analyst

Location: 306 S. 6th Street, Boise, ID 83702

SEPTEMBER 29

Building a Passive House

The Passive House concept represents today's highest energy standard with the promise of slashing the heating energy consumption of buildings by an amazing 90%, while avoiding the high capital costs of photovoltaic panels. Alison Kwok, University of Oregon Professor and national Passive House board member and Blake Bilyeu a Passive House builder, team up to provide you an overview of the Passive House program and a casestudy view of the strategies used to build a home in Oregon. Alison will provide an overview of the Passive House concept and the work that is being done nationally. Blake has an engrossing presentation on the home he built that will help you understand the application of the Passive House principles. The session comes complete with lessons learned from the field. Those interested in the potential for residential design and construction should plan to attend.

Presented by: Alison Kwok, University of Oregon and Blake Bilyeu

Location: 306 S. 6th Street, Boise, ID 83702

OCTOBER 6

ISO 50001 - Energy Management Standards

Deann Desai is a Project Manager at Georgia Tech who for has provided services focused on strategic management systems for over 15 years. Ms. Desai is experienced in implementation strategies, innovation management, tools and materials development for implementation and maintenance of management systems and integration with existing systems. She will make a presentation about the new ISO 50001 standard for energy management. "ISO 50001:2011, Energy management systems – Requirements with guidance for use, is a voluntary International Standard developed by ISO (International Organization for Standardization). ISO 50001 gives organizations the requirements for energy management systems (EnMS)..., provides benefits for organizations large and small, in both public and private sectors, in manufacturing and services, in all regions of the world... Targeting broad applicability across national economic sectors, ...the standard could influence up to 60 % of the world's energy use."

Presented by: Deann Desai, Georgia Tech

Location: Center for Advanced Energy Studies, 995 University Blvd., Idaho Falls, ID 83401

SESSION INFORMATION

All sessions are on Thursdays from 4:30-6:00 PM MT at the specified locations except Tuesday November 1st, 5:30 to 7:00 PM MT Hailey, ID.

Please note the session locations differ throughout the lecture series. See the locations noted below each lecture description.

Videostream available at www.idlboise.com

1.5 CEUs available for AIA members.

The Idaho Chapter of the USGBC will host a reception and networking event for the sessions on Oct. 6th in Idaho Falls, Nov. 1st in Hailey, and Nov. 10th in Boise. Light h'orderves will be served after each presentation.



NOVEMBER 1 (TUESDAY, 5:30-7:00 PM)

SERA Existing Building Case Studies

Lisa Peterson, AIA, Project architect at SERA will present case studies on three projects. According to Architecture 2030, renovation will account for almost three-quarters of all the building square footage architects will touch between now and 2030. How these renovations address energy efficiency goals, such as those articulated by the Architecture 2030, represents a huge opportunity to “make a difference” in the energy consumption of the United States. This presentation will focus on three deep renovations of existing buildings SERA Architects has completed or is in the process of completing; Edith Green Wendell Wyatt Federal Building is an 18-story, 420,000 sf office tower located in downtown Portland; The transformation of the upper floors of the Meier & Frank department store into the Nines hotel; After being vacant for 17 years, the Toronto National Building has been transformed into a vibrant contributor to Portland’s urban streetscape as a 256 Courtyard by Marriott.

Presented by: Lisa Peterson, SERA Architects

Location: Minnie Moore Room, Community Campus - 1050 Fox Acres Road, Hailey, ID 83333

NOVEMBER 10

The Process of Renewing Existing Buildings

Mike Hatten, Principal of Solarc Architecture and Engineering and Kevin Van Den Wymelenberg, Director of the University of Idaho Integrated Design Lab will present on their recent research into pursuing aggressive energy savings in existing buildings through renovation and systems integration. The presentation will overview the challenges of pursuing deep energy savings in existing buildings as well as detail several key strategies necessary to achieve these savings. It will conclude by sharing examples of real buildings that have undergone energy renovations as well as lessons learned from completed projects and projects in planning stages.

Presented by: Mike Hatten, Solarc AE, Kevin Van Den Wymelenberg, University of Idaho

Location: 306 S. 6th Street, Boise, ID 83702

ADDITIONAL SESSION INFORMATION

Live Feed in Boise: The October 6th and November 1st sessions, physically presented in Idaho Falls and Hailey respectively, will also be hosted live at the UI-IDL in Boise via video stream and there will be an opportunity for Q&A with the presenter.

Northwest Regional Architects viewing live by Videostream: 1.5 CEUs available if you take a follow up test. Please make sure you submit your email address when you sign in and indicate that you want CEUs. The IDL will send you a short test on the presentation.

REGISTRATION

Please follow each link to register for the event.

Thursday, September 22, Boise

Deep Savings in Existing Buildings: Using Case Studies in Our Search for Success

<http://www.eventbrite.com/event/2185482838>

IDL – 396 S. 6th Street, Boise Idaho, 83702

Thursday, September 29 Boise

Building a Passive House

<http://www.eventbrite.com/event/2185563078>

IDL – 396 S. 6th Street, Boise Idaho, 83702

Thursday, October 6, Idaho Falls

ISO 50001

<http://www.eventbrite.com/event/2203639144>

Center for Advanced Energy Studies, ISU Campus, Idaho Falls

Tuesday, November 1, Hailey

SERA Existing Building Casestudies

<http://www.eventbrite.com/event/2203659204>

Minnie Moore Room, Community Campus - 1050 Fox Acres Road, Hailey, ID 83333

Thursday, November 10, Boise

Existing Building Renewal

<http://www.eventbrite.com/event/2185663378>

IDL - 306 S. 6th Street, Boise Idaho, 83702

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