



Utah Chapter



High Performance Building Enclosures

February 12, 2010

As designers in a carbon-conscious age we strive to create high performance buildings. We struggle to build thermally inert building enclosures while at the same time providing abundant daylight, efficient HVAC, lighting and controls.

Building enclosures- the envelope, typically leak a considerable amount of energy, almost as much as 30% of the hard-won efficiencies gained in system design. Therefore, as we approach true high-performance our understanding of building enclosure needs to be "tightened up" along with design documents and construction practices.

This full day training will cover building enclosure design including concept, documentation, code, construction, commissioning, and inspection.

Topics covered will include:

- Building enclosure design
- Loads imposed on today's building enclosures
- Science of environmental separation
- Materials being used in the construction of the assemblies
- Details for construction
- ASTM testing methods

Presenters



Kevin Knight

Associate Director, Building Envelope Commissioning, Architectural Testing Inc.

Kevin Knight is a building enclosure authority with over 25 years experience, in the field, as a researcher, and as a trainer. Services he has provided include commissioning of building enclosures, on-site inspections, testing, and critiques on building enclosure problems for architects, engineers, owners, builders and manufacturers. Mr. Knight is also the president of Retro-Specs Consultants Ltd.

in Canada. He has collaborated with federal and provincial governments, utilities, universities, schools, health care, and private sector companies on many projects. Mr. Knight is the co-inventor of patented testing equipment used for finding leaks in air/vapor barrier and roofing membranes. He has had numerous papers published, and is a frequent lecturer on building science. Mr. Knight is a contributing editor for the *Journal of Architectural Coatings* and a Board Member of the Building Environment and Thermal Envelope Council (BETEC).



John Runkle, P.E.

Director, Forensic Services, Architectural Testing Inc.

Mr. Runkle manages the greater Chicago Regional Office and the Los Angeles Regional Office, as well as the Forensic Services and Field Testing operations in the York, PA headquarters. His experience encompasses new construction and renovations for residential, commercial, and industrial façade assemblies. In addition, Mr. Runkle has provided expert testimony for litigation projects on a wide variety of building claddings and fenestration products.

He has presented for AIA, CSI/Construct, Build Boston, AAMA, SWRI, RCI, APTI and numerous manufacturing, design, ownership and contracting groups. He is a graduate of the Pennsylvania State University with a degree in Civil Engineering and is a licensed professional engineer in California (Civil).

Program Information:

Program Location:

State Office Building Auditorium, Utah State Capitol Complex

Date: February 12, 2010

Time: 8:00 a.m. to 5:00 p.m.

Check in: 7:30 to 8:00 a.m.

Registration:

AIA, USGBC Members, & State of Utah Employees: \$125

All other attendees:

\$145.00

Includes continental breakfast & lunch.

Registration Deadline:

Tuesday, February 9, 2010

The State Legislature is in session. Arriving by 7:30 a.m. will make it easier to find parking, available in the public lot on the east side of the campus or on adjacent streets.

UTA Free Bus: Route 500 circulates through downtown and stops on Capitol Hill.

For more information, contact:

Elizabeth Mitchell, AIA Utah

801-532-1727, info@aiautah.org

or

Todd Laker, USGBC Programs

Registration Form Next Page

Organized by the AIA Utah Committee on Design and the Environment and USGBC Utah
8 Credits/Learning Units
in HSW & Sustainable Design in the AIA/CES



www.aiautah.org | 801.532.1727



AIA Utah

A Chapter of The American Institute of Architects

REGISTRATION FORM

Program Date: Friday, February 12, 2010

Registration Deadline: February 9, 2010

Check-In: 7:30 to 8:00 a.m.

Program: 8:00 a.m. to 5:00 p.m.

Location: State Office Building Auditorium, Utah State Capitol Complex, Salt Lake City

Cost:

AIA, Associate Members, Allied Members, USGBC Members, Utah State Employees: **\$125.00**

Non-Member Professionals: **\$145.00**

Includes continental breakfast and lunch

Total Enclosed _____

Name _____

AIA Member Number _____

Company _____

Address _____

City / State / Zip _____

Phone _____

E-mail _____

(for confirmation only)

Please send check payable to:

AIA UTAH
268 S. State Street, Suite 190
Salt Lake City, UT 84111

E-mail pdf of registration to lgreen@aiautah.org • Or, call (801) 532-1727 to register

Or pay by credit card: MasterCard VISA AMEX

Number _____

Name on Card _____

Expiration Date _____ Billing Address Zip Code _____

Signature _____

Cancellation Policy: 100% refund if cancelled before registration deadline: Feb. 9, 2010.
No refund after registration deadline.

For More Information:
Please contact Laura Green at AIA Utah: (801) 532-1727 or at lgreen@aiautah.org.

AIA Members who attend this program will earn 8 LU in HSW/Sustainable Design in the AIA/CES.

