Kevin G. Van Den Wymelenberg

PhD Candidate

HIGHLIGHTS 10/2010

CONTACT

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CURRENT EMPLOYMENT

Assistant Professor, Department of Architecture, University of Idaho
Director, Integrated Design Lab, University of Idaho - Boise, ID

EDUCATION

PhD Candidate - University of Washington
[September 2006 - Present] Sustainable Systems and Prototypes; Computational Design and Research - Seattle, WA

Master of Architecture - University of Washington
[September 2000 - December 2002] Study in Rome Program; Lighting Certificate Program - Seattle, WA

BS in Architectural Studies - University of Wisconsin-Milwaukee
[August 1996 - May 2000] Certificate in Urban Planning; Minor in Art History - Milwaukee, WI

Ecole Speciale d'Architecture
[February 1999 - May 1999] Progress toward BS in Architectural Studies - Paris, France

FUNDED RESEARCH

Grants & Contracts
Principal Investigator for over $3,500,000 in sponsored projects
[2004-Present]

Research Areas
Embedding integrated design principles and building performance analysis into the design process; measurement and verification of energy efficiency technologies; architectural design for daylight, visual comfort, and daylight analysis techniques; human factors and the culture of light in buildings; integrated building performance analysis; daylight metrics; spatial luminance analysis

HONORS/AWARDS

Fellowships and Scholarships
Awarded over $75,000 for the pursuit of graduate studies in architecture and lighting from the University of Washington, the Nuckolls' Fund for Educational Lighting, the Illuminating Engineering Society of North America, and the International Association of Lighting Designers
[2000-Present]

Governor's Award for Pollution Prevention & Sustainable Practices
Received from the State of Washington as member of the Seattle BetterBricks Daylighting Lab
[2004]

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PROFESSIONAL EXPERIENCE

Assistant Professor; Lab Director, University of Idaho, Department of Architecture; Integrated Design Lab
[March 2004 - Present] Teaching graduate courses in architecture and directing the research and consulting activities of the Integrated Design Lab - Boise, ID

Courses Taught

Arch 573 *Daylight Design and Simulation* (2cr.)
Fall 2004, 2005, 2007, 2008, 2010
Arch 504b *Building Performance Modeling for Integrated Design* (3cr.)
Spring 2004, 2005
Arch 504a *Building Case Studies* (1-3cr.)
Fall 2004, 2005, 2007
Arch 553 *Comprehensive Design Studio* (5cr.)
Fall 2006, 2008
Arch 504-5/6 *Integrated Design Seminar* (1cr.)
Fall/Spring, 2004 - Present

Funded Research

Principal Investigator, Contract with Northwest Energy Efficiency Alliance
[October 2010 - March 2011] $15,000
Principal Investigator, Contract with Association of Idaho Cities
[September 2010 - December 2010] $15,000
Principal Investigator, Contract with Lawrence Berkeley National Lab
[August 2010 - September 2010] $11,400
Principal Investigator, Contracts with Green Building Services
[August 2010 - September 2010] $19,500
Principal Investigator, Contract with Quality Electric
[June 2010 - September 2010] $7,500
Principal Investigator, Contract with Idaho Power Company
[March 2010 - December 2012] $1,060,000
Principal Investigator, Contract with Idaho National Lab (BEA)
[October 2009 -November 2009] $2,000
Principal Investigator, Contract with New Buildings Institute
[July 2009 -March 2011] $106,000
Principal Investigator, Contract with Idaho Power Company
[February 2009 - December 2009] $285,000
Principal Investigator, Contract with Idaho National Lab
[February 2009 - April 2009] $5,685
Principal Investigator, Contract with Idaho Power Company
[November 2008 - December 2008] $50,000
Principal Investigator, Contract with Engineering Incorporated
[July 2008 - December 2008] $14,250
Principal Investigator, Contract with HDR Architecture
[February 2008 – April 2008] $4,000
Principal Investigator, Contract with Idaho Power Company
[January 2008 – April 2008] $5,000
Principal Investigator, Contract with Idaho Power Company
[June 2007 –December 2009] $102,200
Principal Investigator, Grant with Northwest Energy Efficiency Alliance
[June 2007 – December 2007] $10,000
Principal Investigator, Grant with United States Environmental Protection Agency
[July 2007 – June 2008] $100,000
Principal Investigator, Contract with St. Al's Regional Medical Center
[2007] $23,092
Principal Investigator, Special Projects Grant with Idaho Power Company
[August 2006 – August 2007] $8,500

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Principal Investigator, Grant with Northwest Energy Efficiency Alliance
[August 2006 – August 2007] $10,000
Principal Investigator, Contract with St. Luke's Regional Medical Center
[January 2006-April 2006] 15,583
Project Director, Small Contracts
[2006] $9,205
Principal Investigator, Contract with Northwest Energy Efficiency Alliance
[January 2006 – December 2010] $1,200,599
Principal Investigator, Grant w/ Rensselaer Polytechnic Institute - LRC
[January 2005 – December 2005] $20,000
Project Director, Small Contracts
[2005] $2,526
Recipient, Gifted from Intermountain Gas Company
[October 2004] $10,000
Principal Investigator, Contract with Idaho Power Company
[August 2004 – May 2007] $101,000
Principal Investigator, Contract with Idaho Division of Energy
[August 2004 – December 2004] $5,000
Project Director, Grant with Northwest Energy Efficiency Alliance
[March 2004 – December 2005] $168,000

Guest Lectures

Guest Lecturer presenting research and consultative work related to daylighting and energy design at several colleges and institutes including:

Albertson's College of Idaho Undergraduate Interior Design
Evergreen State College, Undergraduate Architecture
Seattle Art Institute, Undergraduate Introduction to Lighting
Cornish College of the Arts, Undergraduate Interior Design
University of Washington, Graduate & Undergraduate Architecture
Parson's New School, Graduate Lighting Design

Other Positions

Teaching Assistant, University of Washington
[Spring 2008] Assisting Robert Peña
Arch 598c *Passive Control Systems*, (3cr.)
[Spring 2008]
Arch 598d *High Performance Building Design*, (3cr.)
[Spring 2008]

Intern Architect, McKibben+Cooper Architects
[Summer 2006] Worked part-time as project designer for single family residences - Boise, Idaho

Co-owner, Northwest Custom Design & Fabrication Inc
[December 2004 – June 2006] Designed and fabricated physical daylighting analysis tools and component software for the Pacific Energy Center, Pacific Gas & Electric; University of North Carolina Charlotte; Washington State University, with business partner Craig Cornwall - Boise, ID

Research Associate; Resident Daylighting Consultant, University of Washington, College of Architecture and Urban Planning; BetterBricks Daylighting Lab at the Lighting Design Lab
[December 2001 – March 2004] Managed 6-8 graduate student interns and managed client relationships on several research and consulting projects related to daylight and energy design; co-taught graduate seminars in architecture - Seattle, WA

Arch 598c *Measurement and Meaning in Architecture*, (3cr.)
[Spring 2002, Winter 2003]

Research Assistant**; **Intern Daylighting Consultant, University of Washington, College of Architecture and Urban Planning, BetterBricks Daylighting Lab at the Lighting Design Lab
[September 2000 - December 2001] Completed data collection and report generation for research and consulting projects related to daylight & energy design - Seattle, WA

Intern Lighting Designer - Creative Lighting Design and Engineering
[Summer 2000] Electric lighting design for various residential and commercial projects - Germantown, WI

Intern Architect - Berners-Schober Associates Inc
[Summer 1997] Built physical models - Green Bay, WI

AWARDS & HONORS

Richard Kelly Grant, Illuminating Engineering Society of North America
[2008] $5,000
Doctoral Fellowship, University of Washington, PhD in the Build Environment
[2007-2008] $12,050 tuition + $5,000 Fellowship
Robert E. Thunen Memorial Scholarship, Thunen Scholarship Fund, Illuminating Engineering Society of North America
[2007-08] $6,500
Edison Price Fellowship, Nuckolls Fund for Educational Lighting
[2007-08] $10,000
Lighting Design Alliance Scholarship, International Association of Lighting Designers [2007] $2,500
Doctoral Fellowship, University of Washington, PhD in the Built Environment
[2006-2007] $20,600 tuition + $11,000 Fellowship
Governor's Award for Pollution Prevention & Sustainable Practices, State of WA
[2004] As member of the BetterBricks Daylighting Lab, University of Washington
Agent of Change Training Fellow, University of Oregon
[January 2003]
Floyd Narramore Fellowship, University of Washington, Department of Architecture [Autumn 2000] $3500
Theodore Reid Scholarship, University of Washington, Department of Architecture
[Autumn 2001] $5000
Golden Key National Honors Society
[March 2000]
Academic All-American Team, University of Wisconsin-Milwaukee, NCAA
[1996, 1997, 1999, 2000]
Academic All-Conference, University of Wisconsin-Milwaukee, MCC
[1996-00]
Scholar Athlete Award, University of Wisconsin-Milwaukee, Department of Athletics, Men's Swimming & Diving Team
[1996-00]
Lowell Jorgenson Memorial Award (for leadership), Green Bay YMCA Swim Team
[1994]

PUBLICATIONS

Books

Daylight Design in the Pacific Northwest, in progress with University of Washington Press; Meek, Van Den Wymelenberg, contracted for release in 2011)

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Academic Journals

Oversizing of HVAC System: Signatures and Penalties, Energy and Buildings; Ery Djunaedy, Kevin Van Den Wymelenberg, Brad Acker, Harshana Thimmana (*In Press*)
The Effect of Luminance Distribution Patterns on Occupant Preference in a Daylit Office Environment, Leukos; Kevin Van Den Wymelenberg, Mehlika Inanici, Peter Johnson (*In Press*)
Facing the Challenges of Integrated Design and Project Delivery, Strategic Planning for Energy and the Environment, V28, N1, pp. 69-80, Spring 2008; Amy Hellmund, Kevin Van Den Wymelenberg, Kenneth Baker

Conference Proceedings

Demand Control Ventilation: Lessons from the Field - How to Avoid Common Problems, 2011 ASHRAE Winter Conference Proceedings, Jan-Feb 2011, Las Vegas, NV; Brad Acker, Kevin Van Den Wymelenberg, Ery Djunaedy
Using Post Occupancy Evaluation to Refine and Improve Utility Building Efficiency Programs, World Energy Engineering Congress, Annual Conference Proceedings, December 2010, Washington DC; Gunnar Gladics, Kevin Van Den Wymelenberg (Abstract Accepted)
61 Flavors of Daylight, American Council for an Energy Efficient Economy, Summer Study Conference Proceedings, August 2010, Pacific Grove, CA; Mudit Saxena, Lisa Heschong, Kevin Van Den Wymelenberg, Seth Wayland
Zero Saving Technologies, Why Commissioning is Needed - M&V Case Studies, West Coast Energy Managers Congress Annual Conference Proceedings, May 2010, Seattle, WA; Brad Acker, Kevin Van Den Wymelenberg
A Study of Luminance Distribution Patterns and Occupants' Preferences in Daylit Offices, Passive and Low Energy Architecture, Annual Conference Proceedings, June 2009, Québec City, Canada; Kevin Van Den Wymelenberg, Mehlika Inanici (Finalist for Best Paper)
A Climate Responsive Design Tool to Promote Passive Low Energy Design, American Solar Energy Society, Annual Conference Proceedings, May 2009, Buffalo, NY, G.Z. Brown, Kevin Van Den Wymelenberg, Jeff Kline, Ery Djunaedy
Design Lab: Exploring synergies of outreach, research and teaching while innovating classroom design, American Collegiate Schools of Architecture, Annual Meeting Proceedings, March 2009, Portland, OR; Kevin Van Den Wymelenberg, Jim Coles, Brad Acker, Ery Djunaedy
Facing the Challenges of Integrated Project Delivery, West Coast Energy Managers Congress, Conference Proceedings, May 2008, Seattle, WA; Amy Hellmund, Kevin Van Den Wymelenberg, Kenneth Baker
Heliodon: Automated and Integrated, American Solar Energy Society, Annual Conference Proceedings, July 2006, Denver, CO; Kevin Van Den Wymelenberg, Craig Cornwall, Adam Stoelting
Daylighting Lab Operations and Management Plan, American Solar Energy Society, Annual Conference Proceedings, May 2006; Kevin Van Den Wymelenberg, Joel Loveland, Christopher Meek
The Seattle Justice Center, Visual Comfort, American Solar Energy Society, Annual Conference Proceedings, May 2004; Kevin Van Den Wymelenberg, Joel Loveland, Christopher Meek

Professional Magazines

Designing the Lit Environment, Techniques and Technologies for Holistic Lighting Design, Architectural Lighting, May 2008; Kevin Van Den Wymelenberg

Daylight Dialect, Architectural Lighting, March 2008; Kevin Van Den Wymelenberg

Daylight by Design, Lighting Design and Application, October 2003; Joel Loveland; acknowledged as contributor

Other Publications

Daylighting Lab Operations & Management Plan, The Lighting Research Center, Daylight Dividends, Rensselaer Polytechnic Institute, December 2005; Kevin Van Den Wymelenberg, Joel Loveland, Christopher Meek

Cracked Rear View: Design for Change, Column 5, University of Washington, College of Architecture and Urban Planning, 2001; Kevin Van Den Wymelenberg

High-Performance Idaho?, Northwest Energy News + Analysis, nwcurrent.com, May, 31, 2006; Kevin Van Den Wymelenberg

RECENT RESEARCH

Luminance Based Lighting & Blind Controls
PhD research in collaboration with Assistant Professor Mehlika Inanici (Chair) Associate Professor Pete Johnson and Professor Joel Loveland at the University of Washington, and Dr. Judith Heerwagen. Studying luminance distribution in the visual field of office interiors as it relates to lighting and blind controls, human preference, acceptance and performance.

Daylight Metrics Research
Teamed with the Heschong Mahone Group, National Research Council of Canada and the University of Washington to provide direction to the Illuminating Engineering Society regarding new performance metrics and criteria for 'daylit' spaces.

High Performance Classroom Prototype
Redesigned daylighting, electric light and HVAC systems for two full scale demonstration classrooms in a new Idaho elementary school. Monitoring many aspects of building performance for a two year period compared to two adjacent standard classrooms.

Natural Ventilation Full Scale Analysis
Two summer long measurement and analysis of multiple optimization measures for performance of natural ventilation and natural cooling in a small urban office building.

Pacific Northwest Carbon Neutral Building Initiative
Leading a team effort with the University of Oregon developing a regional initiative that adopted the goals of the 2030 Challenge while engaging local design professionals by suppling new tools and resources. New design tools underway include an interactive web tool focused on helping designers make use of typically complex climate data by dynamically connecting climate data to design strategies for consideration.

COMMUNITY ENGAGEMENT

University of Idaho Lab's Work Aids Idaho Power's Energy Efficiency Initiatives, Idaho Business Review, April, 2009

Green Scene - University of Idaho's Integrated Design Lab, Sources+Design Magazine, September, 2008

Early Simulations Improve Building Performance, Idaho Business Review August 27, 2007

New Nampa School Set Up To Test Energy, Idaho Statesman April 22, 2007

Endeavor Elementary School Seeks to Save Energy, Idaho Press Tribune March 26, 2007

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Idaho - On the Cutting Edge, Idaho Business Review January 15, 2007

Lab Uses Green Office as Guinea Pig, Idaho Statesman August 17, 2006

Going 'Green' Catches On In Idaho, Idaho Business Review January 16, 2006

Green Designs Gain Momentum, Idaho Business Review, Idaho Business Review, November 15, 2005

New Boise Lab Helps Designers Go Green, Idaho Business Review November 15, 2005

School Districts Adopt 'Daylighting' In Building Design, Idaho Business Review October 24, 2005

New Lab Will Shed Light on Saving Energy, Idaho Statesman October 5, 2004

Boise Lab Focuses On Workplace Windows, Idaho Statesman May 23, 2004

The Greening of Idaho, www.betterbricks.com March, 2004

New Integrated Design Lab Opens in Boise, www.betterbricks.com February, 2004

Sky Lab, Metropolis, May 2003

CONSULTING

Consulting and design analysis associated with daylighting, lighting, and integrated building systems on over 300 projects since 2000 including:

Albertson's Prototype Grocery and Drug Stores, Anywhere, USA
[2002-2005] Corporate & CSHQA Architects – Boise, ID

American Honda Regional Training & Distribution Center – Portland, OR
[2000-2001] Group MacKenzie Architects – Portland, OR (LEED-NC, Gold)

Banner Bank Building – Boise, ID
[2003-2004] HDR Architects - Boise, ID (LEED-CS, Platinum)

Barber Park Administration and Raft Maintenance Facility - Boise, ID
[2004-2005] McKibben + Cooper (LEED-NC, Certified)

Benjamin Franklin Elementary School – Seattle, WA
[2003-2004] Mahlum Architects – Seattle, WA

Carkeek Park Environmental Learning Center – Seattle, WA
[2003] Selkirk Miller Hyashi – Seattle, WA (LEED-NC Gold)

Center for Advanced Energy Studies - Idaho Falls, ID
[2005-2007] GSBS Architects – Salt Lake City, UT (LEED-NC, Gold)

College of Southern Idaho Health Sciences and Human Services - Twin Falls, ID
[2007-2009] CTA Architects and Engineers, Boise, ID (LEED-NC Gold)

Ebsworth Residence – Seattle, WA
[2001] Olson Sundberg Kundig Allen – Seattle, WA

EX3 Teen Center – Federal Way, WA
[2002-2003] Weinstien AU – Seattle, WA

Front 5 Building – Boise, ID
[2003-2004] Cole + Poe Architects (LEED-NC, Certified)

High Point Community Center – Seattle, WA
[2003] Streeter Architects - Seattle, WA(LEED Certified)

Merrill Hall Center for Urban Horticulture
[2003] The Miller Hull Partnership – Seattle, WA (LEED-NC, Silver)

Northesat Branch Library - Seattle, WA
[2003] The Miller Hull Partnership - Seattle, WA

Seattle Park 90/5 C
[2003-2004] DKA (LEED-NC, Gold)

Pierce County Environmental Services – Tacoma, WA
[2000-2003] The Miller Hull Partnership – Seattle, WA
Seattle City Hall – Seattle, WA
[2000-2001] Bohlin Cywinski Jackson (LEED-NC, Gold)
Seattle Justice Center – Seattle, WA
[2000-2003] NBBJ (LEED Silver)
Stephen Epler Hall, Portland State University – Portland, OR
[2001-2003] Mithun (LEED-NC, Silver)
St. Alphonsus Regional Medical Center, South Tower Renovation
[2005-Present] Corporate – Boise, ID
St. Luke's Magic Valley Regional Medical Center
[2005-Present] Hummel – Boise, ID & Architectural Nexus – Salt Lake City, UT
Tacoma Art Museum - Tacoma, WA
[2000-2001] Antoine Predock - Albuquerque, NM & Olson Sundberg Kundig Allen - Seattle, WA
Teton Science School – Jackson Hole, WY
[2002-2003] Mithun Architects – Seattle, WA
Wild Oats Prototype Grocery Store - Boulder, CO
[2005-2006] CSHQA Architects – Boise, ID]
(LEED-NC, Registered)
Yesler Community Center – Seattle, WA
[2002-2004] Mithun Architects – Seattle, WA (LEED-NC, Gold)

INVITED WORKSHOPS

August 2010, *Idaho Strategic Energy Alliance Roundtable on Industrial Energy Efficiency*, 4 hour workshop organizer with Don Sturtevant - Idaho National Lab, Idaho Falls, ID
June 2010, Tallinn University of Technology PhD Curriculum, *Passive Design Strategies + High Performance Envelopes*, 4-day (32 hour) Intensive Summer PhD Course, Tallinn, Estonia
May 2010, Daylight Forum 2010, *Delight + Efficiency - Accelerating Daylight as a Light Source for Net Zero Energy Buildings*, 2 hour panel discussion with Lisa Hesschong, Hayden McKay, Matthew Tanteri, Neil Deigert, and Amy Keller - Las Vegas, NV
May 2010, Daylight Forum 2010, *IES Daylight Metrics Subcommittee Goals and Progress, 30 minute presentation - Las Vegas, NV*
May 2010, LightFair International, LightFair Institute, *Daylight Fundamentals: Design and Analysis Strategies for Comfortable and Energy Efficient Buildings*, 2-day (14 hour) workshop with Christopher Meek - Las Vegas, NV
October 2009, Parsons New School for Design MFA Lighting Program - *High Dynamic Range Imaging as a Luminance Analysis Technique in Buildings*, 2.5 hour workshop - New York City, NY
October 2009, IESNA New York City Chapter Kelly Grant Awards - *Physical Models, Digital Models and Light of the Real*, 1 hour presentation - New York City, NY
October 2009, 2008 International Radiance Workshop - *A Comparative Discussion; Using Radiance, DAYSIM and Physical Models in Architectural Practice,* 0.5 hour presentation - Harvard GSD, Boston, MA
October 2009, AIA Idaho Chapter - *Daylighting Design; Getting the Details Right,* 1 hour presentation - Boise, ID
June 2009 Passive and Low Energy Architecture 2009 Conference - *A Study of Luminance Distribution Patterns and Occupants' Preferences in Daylit Offices,* Passive and Low Energy Architecture, 0.5 hour presentation - Quebec City, Canada
May 2009 American Collegiate Schools of Architecture Annual Meeting - *Research Value of Design,* American Collegiate Schools of Architecture 1 hour workshop with GZ Brown, Judy Theodorson and Joel Loveland - Portland, OR

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April 2009 Northwest Energy Coalition, *Idaho's Energy Future*, 1.5 hour panel discussion with Ric Gale and John Gardner - Boise, ID
April 2009 Idaho Society for Healthcare Engineering, *Integrated Design and Healthy Hospitals*, 1.5 hour workshop - McCall, ID
April 2009, Green Building Seminar III - Green Homes, *Integrated Design, Putting it All Together*, 1 hour workshop - Idaho Falls, ID
January 2009, Wisconsin Energy Center, *Integrate Design for Energy Efficiency,* two 8 hour workshops and one 1 hour web archived video lecture - Green Bay, Madison, and Delafield, WI
October 2008, Integrated Design Lab Fall Education Series, *Commissioning: Getting High Performance Systems to Perform*, 1.5 hour workshop with Brad Acker - Boise, ID
October 2008, Idaho Sustainability Conference, *Lessons Learned in Integrated Design Processes*, 1.5 hour workshop - Sun Valley, ID
October 2008, Idaho Energy and Green Building Conference, Light and Health in Buildings, 1.5 hour workshop - Boise, ID
October 2008, Boise Public Library, *Energy Efficiency and Green Living Series*, 2 hour workshop moderator with panel members Jim Miller, Byron Defenbach, and John Gardner - Boise, ID
June 2008, University of Idaho Lunch and Lead, *Design Healthy Environments*, 1.5 hour workshop with Sherry McKibben - Boise, ID
May 2008, LightFair International, LightFair Institute, *Simulating Daylight - A Digital Overview: ECOTECT, Radiance, Daysim, Daylight 1-2-3*, 3 hour workshop with Christoph Reinhart - Las Vegas, NV
May 2008, LightFair International, LightFair Institute, *Simulating Daylight - An Overview of Physical and Digital Modeling*, 3 hour workshop with Christoph Reinhart - Las Vegas, NV
May 2008, West Coast Energy Management Congress, *Integrating Project Delivery*, 2 hour workshop with Gary Christensen, Amy Hellmund, Rick Hunter, and Ken Baker - Seattle, WA
May 2008, Office Ergonomics Research Council, Office Lighting Ergonomics and Energy Savings, 30 minute presentation - Seattle, WA
April 2008, CTA Architects, *Introduction to Integrated Design Processes*, two 8 hour workshops with Mike Hatten, Boz Van Houten, and Ery Djunaedy - Boise, ID
March 2008, United States Environmental Protection Agency Region 10, *The Role of Climate Responsive Design and Integrated Design for Energy Efficiency*, 2 hour workshop with Joel Loveland and G.Z. Brown - Seattle, WA
March 2008, Idaho Environmental Educators Conference, *The Value of Integrated Design for Idaho Schools*, 1 hour lecture, Boise, ID
January 2008, East Side Preparatory School, *Sustainability and Reconnecting to Nature with Architecture*, 1 hour lecture - Bellevue, WA
January 2008, National Electrical Contractors Associations Idaho Chapter Annual Meeting, *Integrating the Lighting Environment – Research and Practice of Daylight Sensing Lighting Controls*, 1 hour workshop with Frank Rice - Sun Valley, ID
January 2008 - April 2008, University of Idaho & Boise State University Professional Education, *Green Building*, four 8 hour workshops with Sherry McKibben, Ery Djunaedy, Rebecca Mirsky - Boise, ID
December 2007, ASHRAE Utah Chapter Meeting, *The Role of Daylight in Integrated Design*, 1 hour seminar - Salt Lake City, UT
July 2007, Society of Building Science Educators Annual Retreat, *The Educational Benefits of Creating Synergies Between Professionals and the Academy,* with G.Z. Brown, Joel Loveland, & Judy Theodorson, two hour workshop - Bainbridge Island, WA
June 2007, American Association for the Advancement of Science, *Project Based Education, A Model for Integrated Design*, 1 hour presentation - Boise, ID
May 2007, LightFair International, LightFair Institute, *Emerging Daylight Metrics*, 1.5 hour workshop with Lisa Heschong - New York, NY

October 2006, Idaho Energy Conference, *Integrated Design Case Studies*, 2 hour presentation - Boise, ID
August 2006, ACEEE, Summer Study on Energy Efficiency in Buildings, *Emerging Daylight Metrics*, 2 hour workshop with Lisa Heschong, David Eijadi, George Loisos, & Susan Ubbelhode - Asilomar, CA
July 2006, Society of Building Science Educators Annual Retreat, *Evolving the Culture of Light for Energy: A Model for Impacting Design Practice*, 1 hour presentation with Christopher Meek - Pingree Park, CO
June 2006, AIA Utah Daylighting Day, Daylighting: *Schematic Design, Design Development and Implementation*, 5 hour workshop - Salt Lake City, UT
April 2006, ASHRAE Idaho Chapter Annual Technical Conference, *Integrated Design Lessons Learned*, 1.5 hour presentation - Boise, ID
July 2005, 'Daylighting Working Group' Annual Meeting, *Daylighting Metrics, Methods & Facilities*, 8 hour workshop with G.Z. Brown and Joel Loveland - Seattle, WA
November, 2004 Idaho Energy Conference, *High Performance School Design*, 2 hour workshop with Richard Bauscher - Sun Valley, ID
June 2004, AIA Utah Daylighting Day, *Daylighting Design, Why and How*, 6 hour workshop with Charles Ehrlich, Salt Lake City, UT

Professional Education

Organized annual spring and fall professional lecture series (5 or 6, 1.5 hour lectures held in evenings) on energy efficiency and integrated design topics with regional, national, and internationally recognized presenters. [2004 - Present]

Organized and presented summer brown bag lectures on energy efficiency and integrated design within five architectural and engineering offices in the Treasure Valley of Idaho. [2009 - Present]

Numerous additional lectures presented to in 45-120 minute format to regional architectural and engineering professional offices on a variety of topics including:

Climate Responsive Design, Climate Design Tools, Case Studies in Integrated Design, Daylighting Design Introduction, Daylighting Design for Human Health and Productivity, Daylighting for Schematic Design, Daylighting for Design Development, Daylighting Design for Energy Savings, Daylighting Design for LEED, Daylighting Design Modeling, High Performance School Design, Integrated Design Process, Integrated Design Lab Lessons Learned, Natural Ventilation Design, Life Cycle Cost Assessment for Integrated Design

SERVICE

Peer Reviewer, SimBuild Annual Conference Proceedings [Summer, 2010]
Selection Committee, Energy Efficiency and Conservation Block Grants to Idaho from American Recovery and Reinvestment Act of 2009 [Spring, 2010]
Committee Member, Northwest Power and Conservation Council, Regional Technical Forum [2010 - Present]
Vice Chair, Illuminating Engineering Society of North America, Daylight Metrics Subcommittee [Fall 2009 - Present]

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Chair, Idaho State Governor's Strategic Energy Alliance, Energy Efficiency and Conservation Task Force [Spring 2009 - Present]
Committee Member, American Recovery and Reinvestment Act 2009 - Idaho Energy Efficiency and Conservation Block Grant Selection Committee, Office of Energy Resources, Idaho [Spring 2009 - Present]
Committee Member, American Recovery and Reinvestment Act 2009 - Idaho K-12 Energy Efficiency Project Selection Committee, Office of Energy Resources, Idaho [Spring 2009 - Present]
Session Chair, American Collegiate Schools of Architecture, 2009 Annual Meeting, *Research Value of Design* [2009]
Task Force Member, Idaho State Governor's Strategic Energy Alliance, Energy Efficiency and Conservation Task Force [Spring 2008 - Spring 2009]
Subcommittee Member, Illuminating Engineering Society of North America, Daylight Metrics Subcommittee [Summer 2007 - Fall 2009]
Research Council, University of Idaho [Academic Year 2007-2008]
Peer Reviewer, Architectural Research Centers Consortium, Research Conference Proceedings [Spring 2007]
Peer Reviewer, American Solar Energy Society, Conference Proceedings [Summer 2006]
Juror, Interior Designers of Idaho, Chair Affair [Winter 2006]
Juror, Northwest Energy Efficiency Alliance, BetterBricks Awards [2004 - Present]
Core Team Member, Life Teen, St. Mark's Catholic Community - Boise, ID [Summer 2004 – Summer 2008]
Committee Member, University of Idaho, College of Art & Architecture, Facilities Committee [2004-2007]

MEMBERSHIPS

Illuminating Engineering Society of North America [2006 - Present]
Society of Building Science Educators [2004 - Present]
American Society of Heating, Refrigerating & Air-Conditioning Engineers [2006 - Present]
American Solar Energy Society [2003,2004,2006]
United States Green Building Council – Idaho Chapter [2005 Inception - Present]