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University of Washington Department of Architecture

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Full Career CV

July 2020

I. CAREER OVERVIEW

I A. EDUCATIONAL BACKGROUND

Master of Architecture, December 2002

- University of Washington, Department of Architecture, Seattle, WA
- Specialization: Architectural Design, Design with Climate, Daylighting, Architectural Lighting
- Recipient "Faculty Medal" (award)
- Recipient Paul Thiry Memorial Scholarship

Bachelor of Arts, Architecture June 1996

- University of New Mexico, School of Architecture and Planning
- Major: Architecture
- Recipient Kosanovich Fellowship

I B. EMPLOYMENT

2015 - Present

Associate Professor (with Tenure)
University of Washington, Seattle, WA
Department of Architecture

2015 - Present

Center Director
University of Washington, Seattle, WA
Department of Architecture
Center for Integrated Design Lab

2012 - 2014

Research Associate Professor
University of Washington, Seattle, WA
Department of Architecture
Integrated Design Lab

2006 - 2012

Research Assistant Professor
University of Washington, Seattle, WA
Department of Architecture
Integrated Design Lab

2002 - 2006

Lecturer/Research Associate
University of Washington, Seattle, WA
Department of Architecture

2003 - 2006

Project Designer
Associated Studios Design Collaborative
Residential and Commercial Architectural Design
Seattle, WA

2001 - 2002

Research Assistant P/T

University of Washington, Seattle, WA
Department of Architecture
Daylighting Lab

1997 - 2000

Project Designer

H. Hershberg and Associates Architects, Inc.
Commercial/Institutional Architecture
New Orleans, LA

I C. PROFESSIONAL REGISTRATION

Registered Architect, State of Washington (#9109), May 2006

National Council of Architectural Registration Boards (NCARB), May 2006

I D. AWARDS AND HONORS (Selected)

- 2020 AIA College of Fellows
American Institute of Architects (AIA)
AIA Fellows are recognized with the AIA's highest membership honor for their exceptional work and contributions to architecture and society with a significant contributions to the profession and society and who exemplify architectural excellence. Only 3 percent of the AIA members have this distinction.
- 2019 Leadership in Energy Efficiency Award
Northwest Energy Efficiency Alliance Board of Directors
- 2014 AIA Seattle Allied Organization Award
AIA Seattle annually recognizes and organization which has notably contributed to AIA Seattle's mission and goals. (As part of the University of Washington Integrated Design Lab)
- 2004 State of Washington Governor's Award for Sustainable Practices
(As part of the University of Washington Daylighting Lab)

II. CREATIVE ACHIEVEMENT, RESEARCH AND SCHOLARSHIP

II A. PUBLICATIONS

1. Books and Book Chapters

- 2017 Loveland, J. (UW Architecture), **Meek, C.**, Smith, J. (Lake Flato Architects), "A Dose of Daylight in Central Texas," Book Chapter in *Transforming Architecture: A Festschrift in Honor of Professor G.Z. "Charlie" Brown*, ed. Van den Wymelenberg, K., et al. (Eugene: University of Oregon Press, 2017). Invited Book Chapter.
- 2015 **Meek, C.**, Van den Wymelenberg, K. (University of Oregon), *Pocket Architecture: Daylighting and Integrated Lighting Design* (London: Taylor & Francis [Routledge], 2015). *This book is part of the Pocket Architecture Series edited by Prof. Ryan E. Smith. It provides a tactical guide on daylight and electric lighting for architects.*
- 2012 **Meek, C.**, Van den Wymelenberg, K. (University of Idaho), *Daylighting Design in the Pacific Northwest* (Seattle and London: University of Washington Press, 2012). *This book examines research, practice, and daylighting design methods and outcomes through fifteen built projects in the Pacific Northwest; also describes the tools and methods of the Integrated Design Lab (IDL).*

2. Peer Reviewed Publications

- 2020 **Meek, C.**, Ballinger, N. (City of Seattle), Mallory, S. (City of Seattle), "Tune-Up Accelerator: Deep Energy Retrofit Path," *Proceedings of the American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Buildings*. Asilomar CA, August 2020. *Accepted for Future Presentation.*
- Soltani-Dehnavi, Elham (UW M.S. Design Computing), **Meek, C.**, "X-Maps: A Computational Method for Space Planning Using Multi-Variate Occupant Comfort," *Proceedings of the 108th Association of Collegiate Schools of Architecture Annual Meeting*. Virtual Conference, 6 May 2020 (originally scheduled San Diego CA, 13 March 2020).
- 2019 **Meek, C.**, Gustin, A. (UW Architecture), Ballinger, N. (City of Seattle), "Development and Dissemination of Deep-Energy Retrofit Strategies through a Mandatory Municipal Building Tune-Up Ordinance in Seattle, Washington, USA," *Institute of Physics (IOP) Journal of Physics Conference Series* Vol. 1343: Climate Resilient Cities, Energy, and Renewables in the Digital Era (CISBAT), Lausanne, Switzerland. 20 November 2019.
- Pena, R. (UW Architecture), **Meek, C.**, "Design Integration: Lesson from a Research-Based Design Studio + Seminar," *Proceedings of the 2019 Reynolds*

Symposium: Education by Design, University of Oregon, Portland OR, 19 October 2019.

Meek, C., Gustin, A. (UW Architecture), Ballinger, N. (City of Seattle), "Development and Dissemination of Deep-Energy Retrofit Strategies through a Mandatory Municipal Building Tune-Up Ordinance in Seattle, Washington, USA," *Proceedings of the International Conference on Climate Resilient Cities, Energy, and Renewables in the Digital Era (CISBAT)*, Lausanne, Switzerland. September 2019.

2018 Haymaker, J. (Perkins+Will), **Meek, C.**, Kleiner, D. (Perkins+Will), Pena, R. (UW Architecture), Burpee, H. (UW Architecture), Norwood, W. (UW M. Arch student), "Constructing Performance-Based Tools and Practitioners for Exploring Living, Mixed-Use, High-Rise Building Design Spaces," *Perkins+Will Research Journal*. December 2018.

Borhani, A. (UW Construction Management Ph.D. candidate), Dossick, C. (UW Construction Management faculty), **Meek, C.**, Kleiner, D. (Perkins+Will), Haymaker, J. (Perkins+Will), "Adopting Parametric Design Approach in Integrated Design Teams," *Proceedings of the 35th Conference of the International Council for Research and Innovation in Building Construction*, Chicago IL, October 2018.

Meek, C., Curry, R. (Northwest Energy Efficiency Alliance), Norwood, W. (UW M.Arch. student), "Energy Performance Evaluation of A Whole-Building Electrochromic Window Retrofit in a Commercial Office Building," *Proceedings of the Conference on Advanced Building Skins*, Bern, Switzerland, October 2018.

Burpee, H. (UW Architecture), **Meek, C.**, Valtman, B. (UW M.Arch. student), Schopf, A. (Mahlum Architects), "Partnership Initiative with Leading Architectural Firms to Spark Research Innovation in Practice," *Proceedings of the American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Buildings*, Asilomar CA, August 2018.

2017 Pena, R. (UW Architecture), **Meek, C.**, Davis, D. (UW M.S. Design Computing Student), "The Bullitt Center: A Comparative Analysis Between Simulated and Operational Performance," *Technology Architecture and Design*, Vol. 1, No. 2, November 2017.

Zhu, P. (Tsinghua University Architecture), Gilbride, M. (UW Architecture), Yan, D. (Tsinghua University), Sun, H. (Tsinghua University), and **Meek, C.**, "Lighting energy consumption in ultra-low energy buildings: Using a simulation and measurement methodology to model occupant behavior and lighting controls," *Building Simulation Journal* pp. 1-12, 2017.

- 2016 Egnor, T (Energy RM), Hayes, D. (Bullitt Foundation), Jennings, J. (Northwest Energy Efficiency Alliance), Rodenhizer, D. (Seattle City Light), Reichmuth, H. (Energy RM), Van Den Wymelenberg, K. (University of Oregon), **Meek, C.**, “Metered Energy Efficiency Transaction Structure in Net-Zero New Construction: Pay-for-Performance at the Bullitt Center in Seattle, WA,” *Proceedings of the American Council for an Energy Efficient Economy, ACEEE Summer Study on Buildings*, Asilomar CA, July 2016.
- Gilbride, M. (UW Architecture), Loveland, J. (UW Architecture), Burpee, H. (UW Architecture), Kriegh, J. (Interdisciplinary Built Environments Ph.D. candidate) **Meek, C.**, “Occupant-Behavior-Driven Energy Savings at the Bullitt Center in Seattle, WA,” *Proceedings of the American Council for an Energy Efficient Economy ACEEE Summer Study on Buildings*, Asilomar CA, July 2016.
- Burpee, H. (UW Architecture), **Meek, C.**, Douglas, K. (UW M. Landscape Architecture Student); *Health in the Built Environment: Testing Health Impacts of Green Buildings*, Proceedings of the Passive and Low Energy Architecture (PLEA) Conference, Los Angeles CA, August, 2016.
- 2015 Hashemloo, A. (UW M.S. Design Computing Student), Inanici, M. (UW Architecture), **Meek, C.**, “GlareShade: A Visual Comfort Based Approach to Adaptive Shading,” *Journal of Building Performance Simulation* 9 (4), 351-365. July 2015.
- Petersen, N. (UW M.S. Design Computing Student), Gilbride, M. (UW Architecture), **Meek, C.**, “Dynamic Façades: Exploring Responsive Building Skins In a Comprehensive Design Studio,” *Proceedings of the American Solar Energy Society (ASES) 2015 National Conference*, State College PA, July 2015.
- Meek, C.**, Gilbride, M. (UW Architecture), Ojaama, H. (UW M. Architecture Student), Norwood, W. (UW M. Architecture Student), “The Bullitt Center Experience: A Day in the Light – Measured Performance of Dynamic Daylighting and Glare Control; Building Enclosure Science and Technology (BEST4),” *Proceedings of the Conference of the National Institute for Building Science*, Kansas City KS, April 2015.
- 2013 **Meek, C.**, Bruot, A. (UW M.S. Design Computing Student), “Toward Net-Zero Energy Buildings with Energy-Harvesting Electrochromic Windows,” *Proceedings of the International Building Performance Simulation Association (IBPSA) Biennial Building Simulation Conference*, Aix-le-Bain, France, August 2013.
- Meek, C.**, Bruot, A. (UW M.S. Design Computing Student), “Combined Solar Power Production and Dynamic Shading with Energy Harvesting Electrochromic Windows (EH-ECWs),” *Proceedings of the American Solar Energy Society (ASES) 2013 National Conference*, Baltimore MD, October 2013.

Van den Wymelenberg, K. (University of Idaho, Architecture), Brown, G. Z. (University of Oregon, Architecture), Burpee, H., Djunaedy, E. (UI Architecture) Gladics, G. (UI Architecture), Kline, J. (UO Architecture), Loveland, J. (UW Architecture), **Meek, C.** (UW Architecture), Thimmanna, H. (UI Architecture), “Evaluating direct energy savings and market transformation effects: A decade of technical design assistance in the Northwestern USA,” *Energy Policy*. Vol. 52, (342-353) January 2013

2012 **Meek, C.**, Bruot, A. (UW M.S. Design Computing Student), Caldwell, L. (UW M. Arch Student), “Simulation of Dynamic Daylighting and Glare Control Systems for a Six-Story Net-Zero Office Building in Seattle, WA,” *Proceedings of the Building Enclosure Science and Technology (BEST3) Conference of the National Institute for Building Science*, Atlanta GA, 3 April 2012.

Meek, C., Bruot, A. (UW M.S. Design Computing Student), “Simulation of Visual Comfort and Energy Performance of Organic Energy Harvesting Electrochromic Windows (EH-ECWs) in Commercial Office Buildings,” *Proceedings of the 2012 ACSA International Conference*, Boston MA, 2 March 2012.

2011 Van den Wymelenberg, K. (University of Idaho); **Meek, C.**, “Daylighting Pattern Guide: A Choreographed Simulation-Based Approach to Learning,” *Proceedings of the International Building Performance Simulation Association (IBPSA) Biennial Building Simulation Conference*, Sydney, Australia, December 2011.

Meek, C., Brennan, M. (UW M. Arch. student), “Automated and Manual Solar Shading and Glare Control: A Design Framework for Meeting Occupant Comfort and Realized Energy Performance,” *Proceedings of the American Solar Energy Society (ASES) 2011 National Conference*, Raleigh NC, May 2011.

2010 **Meek, C.**, Breshears, J. (ZGF Architects), “Dynamic Solar Shading and Glare Control for Human Comfort and Energy Efficiency at UCSD: Integrated Design and Simulation Strategies,” *Proceedings of the 2010 American Solar Energy Society Conference*, Phoenix AZ, May 2010.

Breshears, J. (ZGF Architects), **Meek, C.**, “Quantifying the Dynamic Envelope: Climate Responsive Design for Thermal, Visual Comfort, and Energy Performance in a Laboratory Building at the University of California San Diego,” *Proceedings of the Building Enclosure Sustainability Symposium*. Pomona CA, April 2010.

2006 Van Den Wymelenberg, K. (University of Idaho), and Loveland, J. (UW Architecture); **Meek, C.**, “Daylighting Lab Operations and Management Plan,” *Proceedings of the 2006 American Solar Energy Society Conference*, Denver CO, June 2006.

3. Web Tools

- 2013 **Meek, C.** (PI), Van Den Wymelenberg, K (PI- University of Idaho), Frankel, M. (New Buildings Institute), *Web-Site: "A Daylighting Pattern Guide: A Visual Vocabulary for Daylighting Design Decision-Making,"* A simulation-based daylighting design and educational web tool developed in partnership with New Buildings Institute and the University of Idaho. [Web Link](#).

4. Posters

- 2019 Gustin, A. (UW Architecture), Torres, (UW M. Arch. Student) I., Davis, D. (UW M.S. Design Computing Student), **Meek, C.**, Burpee, H. (UW Architecture), Gilbride, M. (UW Architecture), "Weather and Occupancy-driven Energy Consumption at the Bullitt Center," *M. Rosenfeld Symposium at the University of California Berkeley*, Poster Presentation, Berkeley CA, April 2019.
- 2017 Douglas, K. (UW M. Landscape Architecture Student), **Meek, C.**, "Campus Illumination: A Roadmap to Sustainable Exterior Lighting," *University of Washington Campus Sustainability Fund Project Spotlight*, Poster presentation, Seattle WA, October 2017.
- 2015 **Meek, C.**, Douglas K. (UW M. Landscape Architecture Student), *Toward Net-Zero Energy Buildings with Energy-Harvesting Electro-Chromic Windows; University of Washington Campus as a Living Lab*, Poster presentation, Seattle WA, October 2015.
- Burpee, H. (UW Architecture), **Meek, C.**, "University of Washington Integrated Design Lab," Poster presented at University of Washington College of Built Environments Open Labs. May 21, 2015.
- Burpee, H. (UW Architecture), **Meek, C.**, "University of Washington Discovery Commons," Poster presented at University of Washington College of Built Environments Open Labs. May 21, 2015.
- Meek, C.**, Burpee, H. (UW Architecture), Gilbride, M. (UW Architecture), "University of Washington Center for Integrated Design," Poster presented at University of Washington's Center for Education and Research in Construction Conference, Seattle WA, March 2015.
- 2009 Von Rueden, C. (UW M. Arch Student), Mugford, V. (UW M. Arch Student), **Meek C.**, Bartholomew, E. (UW Architecture); *University of Washington Integrated Design Lab*; Poster Proceedings of the 96th Association of Collegiate Schools of Architecture (ACSA) Conference, Houston TX, March 2008

5. Articles for Professional Journals and Websites

- 2019 **Meek, C.**, “Window Technology Offers a Variety of Tenant Benefits,” *Building Operator Certification: Tech Horizons*. Summer/Fall 2019. Published on betterbricks.com. [Web link](#).
- 2018 Loveland, J. (UW Architecture), **Meek, C.**, “Narratives of Climate, Daylight, and Space, the Austin Central Library,” Festschrift for Professor Emeritus G. Z. Brown, School of Architecture and Allied Arts, University of Oregon, May 2016.
- Hanford, J. (Miller Hull Partnership), Brune, M. (PAE Engineering), **Meek, C.**, Gilbride, M. (UW Architecture); "Building Change: The Bullitt Center in Seattle, WA," *High Performing Buildings, The ASHRAE Journal*, Winter 2016.
- 2013 **Meek, C.**, Van Den Wymelenberg, K. (University of Idaho); “Mystery through Daylight”; *Lighting Design and Application (LD+A) the Magazine of the Illuminating Engineering Society of North America*, January 2013; Adapted book chapter from Daylighting Design in the Pacific Northwest.
- 2012 **Meek, C.**, “Energy Efficient Lighting Case Studies for Renovation and New Construction for the Advanced Lighting Guidelines,” *Advanced Lighting Guidelines (ALG Online)* Published by New Buildings Institute, August 2012.
- Meek, C.**, Van Den Wymelenberg, K. (University of Idaho) “A Guide to Daylighting Success: A Study of Daylighted Spaces Around the U.S.,” *Lighting Design and Application (LD+A) the Magazine of the Illuminating Engineering Society of North America*, September 2011; *Presents development, simulation and outcomes of a simulation-based daylighting design and educational web tool developed in partnership with New Buildings Institute.*
- 2010 **Meek, C.**, Hamilton, B. (New Buildings Institute), Parsley, K. (Interior Architects), “Daylighting Guide for the Commercial Office,” *Advanced Buildings Website*, New Buildings Institute, November 2010. [Web Link](#).
- 2006 **Meek, C.**, “A Case for Commissioning,” *Greener Buildings*, February 2006, originally published in *Northwest Currents*, January 2006.
- 2005 Loveland, J. (UW Architecture); **Meek, C.**, “Sky’s the Limit,” *Athletic Business*, December 2005.
- 2004 **Meek, C.**, “Refining the Window,” *Lighting Design Lab Newsletter*, Spring 2004.
- 2003 Loveland, J. (UW Architecture); **Meek, C.**, “Daylight by Design,” *Lighting Design and Application*, October 2003.

6. Technical Reports (Selected)

Note: Selected technical and consulting reports from over 750. Excludes projects completed under non-disclosure agreements.

- 2020 **Meek, C.,** Hatten, M. (Solarc Energy Group), Knowles, E. (Solarc Energy Group), Gilbride, M. (UW Architecture, “District Energy Master Planning for a Multi-Building Site in Bellevue, WA (WIG Phase 2),” Puget Sound Energy Business Energy Management Division, 1 June 2020
- Ballinger, N. (City of Seattle), et. al., "Building Tune-Up Accelerator Program: Final Report," Prepared for the Building Technologies Program Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy, Award No.: DE-EE0007556, April 2020
- Meek, C.,** Hatten, M. (Solarc Energy Group), Knowles, E. (Solarc Energy Group), Gustin, A. (UW Architecture), Ballinger, N. (City of Seattle) “Deep Energy Retrofit and Decarbonization Strategy: Medical Office Building Pilot Project,” Produced for University of Washington Capital Projects Division under the Building Technologies Program Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy, Award No.: DE-EE0007556, 20 January 2020
- 2019 **Meek, C.,** Gilbride, M. (UW Architecture), Abrahamson, M. (M. Arch. Student), American Institute of Architects, Seattle Chapter. "Carbon Emissions Reduction Calculations for AIA Seattle Honor Awards." A report documenting carbon emissions reductions and data visualizations for 112 submitting projects for consideration of the Energy in Design award. October 2019.
- Meek, C.,** Gilbride, M. (UW Architecture), Gustin, A. (UW Architecture), Beck, C. (UW Architecture Student) “Heat Pump Roof Top Unit (RTU) Baseline: Data and Trends,” Technical Report to the Northwest Energy Efficiency Alliance (NEEA). November 2019.
- Meek, C.,** Hatten, M. (Solarc Energy Group), Knowles, E. (Solarc Energy Group), Gustin, A. (UW Architecture), “District Energy Master Planning for a Multi-Building Site in Bellevue, WA (WIG Phase 1),” Puget Sound Energy Business Energy Management Division, 5 October 2019
- Meek, C.,** Burpee, H. (UW Architecture), "Integrated Design Lab Annual Report 2018-2019." [Web Link](#). September 2019.
- 2018 **Meek, C.,** Hatten, M. (Solarc Energy Group), Knowles, E. (Solarc Energy Group), Gilbride, M. (UW Architecture), Ballinger, N. (City of Seattle) “Deep Energy Retrofit and Decarbonization Strategy: Mid-Rise Hotel Pilot Project,” Produced for University of Washington Capital Projects Division under the Building Technologies Program Office of Energy Efficiency and Renewable

Energy, U.S. Department of Energy, Award No.: DE-EE0007556, 13 November 2018

Meek, C., Hatten, M. (Solarc Energy Group), Knowles, E. (Solarc Energy Group), Gustin, A. (UW Architecture), Ballinger, N. (City of Seattle) “Deep Energy Retrofit and Decarbonization Strategy: Small to Mid-Size Office Pilot Project,” Produced for University of Washington Capital Projects Division under the Building Technologies Program Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy, Award No.: DE-EE0007556, 10 November 2018

Meek, C., Gilbride, M. (UW Architecture), Abrahamson, M. (M. Arch. Student), American Institute of Architects, Seattle Chapter. "Carbon Emissions Reduction Calculations for AIA Seattle Honor Awards." A report documenting carbon emissions reductions and data visualizations for 125 submitting projects for consideration of the Energy in Design award. October 2018.

Meek, C., Burpee, H. (UW Architecture), "Integrated Design Lab Annual Report 2017-2018." [Web Link](#). July 2018.

Burpee, H. (UW Architecture), **Meek, C.**, Cabeza de Baca, E. (UW Architecture Graduate Student), Valtman, B. (UW Architecture Graduate Student). “Rosetta Stone: A Translational Tool for Research Informed Practice: Daylight, Acoustics, and Biophilia.” Primary and secondary research translations intended for architects and presented in several scales of depth. Version 1.0 published to UW CID Partnership Initiative Firms, September 2018.

Burpee, H. (UW Architecture), **Meek, C.**, “Integrated Design: Tools and Methods Evaluation.” A report outlining the outcomes of the twelve session professional education offering sponsored by Seattle City Light. Produced for Seattle City Light. June 2018.

2017 **Meek, C.**, Gilbride, M. (UW Architecture), Torres, I. (M. Arch. Student), Hassan, S. (M. Arch. Student), American Institute of Architects, Seattle Chapter. "Carbon Emissions Reduction Calculations for AIA Seattle Honor Awards." A report documenting carbon emissions reductions and data visualizations for 125 submitting projects for consideration of the Energy in Design award. October 2017.

Douglas, K. (**Meek, C.** Faculty Adviser), “Campus Illumination: A Roadmap to Sustainable Exterior Lighting at the University of Washington Seattle Campus,” A technical and conceptual roadmap aimed at providing a guiding vision of exterior lighting on campus. Produced as part of a University of Washington Campus Sustainability Fund (CSF) Award. June 2017.

Meek, C., “Weather and Occupancy Normalized Energy Savings from a Dynamic Glazing Retrofit of a 90,000 Square Foot Commercial Office Building in South Lake Union, Seattle, WA,” Technical Report to the Northwest Energy Efficiency Alliance (NEEA). April 2017.

Meek, C., Burpee, H. (UW Architecture), Dilege, T. (UW Architecture), "Integrated Design Lab Annual Report 2016-2017." [Web Link](#). July 2017.

Meek, C., Gilbride, M. (UW Architecture), Valtmann, B. (M. Arch. Student), VIEW Dynamic Glazing, Inc. "VIEW Dynamic Glazing Audio Visual Light Control Study." A report evaluating space darkening capabilities of electrochromic glazing for the purposes of delivering A/V projection contrast. 15 February 2017.

Burpee, H. (UW Architecture), **Meek, C.**, American Institute of Architects, Seattle Chapter. "Materials Matter In-Person Curriculum and Development Report." A report outlining the final curriculum for the Materials Matter professional education series with detailed outlines of pilot delivery and lessons-learned for a national roll-out. Produced for AIA Seattle. March 2107.

2016 **Meek, C.**, Gilbride, M. (UW Architecture), Bender, A. (M. Arch. Student), American Institute of Architects, Seattle Chapter. "Carbon Emissions Reduction Calculations for AIA Seattle Honor Awards." A report documenting carbon emissions reductions and data visualizations for 115 submitting projects for consideration of the Energy in Design award. October 2016.

2015 Ojamaa, H. (UW M.S. Design Computing Student), Gilbride, M. (UW Architecture), Helmers, A. (UW Architecture), **Meek, C.**; Rainier Tower Secondary Window Systems Full Scale Mock-up Report (Winter Months 2014); Technical Report to the Northwest Energy Efficiency Alliance (NEEA); Portland, OR, 07 June 2015; Technical report on full-scale mock-up of secondary window system in an existing suite evaluating condensation, glare, heat transfer, and physical installation.

Meek, C., Loveland, J. (UW Architecture), Burpee, H. (UW Architecture), Hatten, M. (SOLARC Energy Group), American Institute of Architects, Seattle Chapter. "Getting to Zero Curriculum and Development and In-Person Delivery Report." A report outlining the final curriculum for the AIA Getting to Zero Educational Pilot Program professional education series with detailed outlines of pilot delivery and lessons-learned for a national roll-out. Produced for AIA Seattle. 20 March 2105.

2013 **Meek, C.**, Helmers, A. (UW Architecture), Loveland, J. (UW Architecture), “Existing Building Renewal: Integrated Measure Package (IMP) Builder” Report to the Northwest Energy Efficiency Alliance (NEEA); Portland, OR, 1 January 2013.

- 2012 **Meek, C.**, Helmers, A (UW Architecture), Pineo, C. (UW M. Arch Student), Stoeckle, A. (UW M. Arch Student), Loveland, J. (UW Architecture) “Existing Building Renewal: Integrated Measure Packages for High Rise Commercial Real Estate Office Buildings,” Report to the Northwest Energy Efficiency Alliance (NEEA); Portland, OR, March 2012. *Provides pilot-ready technical packages of integrated energy efficiency measures designed to reduce energy consumption in high-rise commercial office buildings by at least 50% in the Pacific Northwest as part of NEEA’s Existing Building Renewal (EBR) Initiative.*
- 2011 **Meek, C.**, Helmers, A. (UW Architecture), Pineo, C. (UW M. Arch student), Stoeckle, A. (UW M. Arch student), Loveland, J. (UW Architecture), “Existing Building Renewal: Market Characterization- Energy Efficiency and Building Systems in Existing High-Rise Commercial Office Real Estate,” Report to the Northwest Energy Efficiency Alliance (NEEA); Portland, OR, 31 Dec 2011;
- 2008 **Meek, C.**; Bartholomew, E. (UW Architecture), “Integrated Lighting for Fire Stations: Daylighting and Electric Lighting Strategies,” City Green Building/Seattle Department of Planning and Development, December 2008 [Web Link](#)
- 2007 “Daylighting Metrics Evaluation.” Prepared site visits and supporting documentation for an in-depth multi-day evaluation of six Puget Sound region buildings for daylighting metrics research project in conjunction with the Heschong Mahone Group. Summer 2007.
- 2008 Van Den Wymelenberg, K. (University of Idaho), and Loveland, J. (UW Architecture), **Meek, C.**, “Daylighting Lab Operations & Management Plan,” The Lighting Research Center: Daylight Dividends Invited Symposium, Rensselaer Polytechnic Institute, Troy NY, December 2005

7. Other Creative Activities (Selected)

- 2019 AIA National Professional Practice Resources for Prosperity. Editorial Consulting for the AIA Handbook of Professional Practice. Identification of six topics, recruitment of authors, and editorial oversight of six, 6000 word articles that augment the next version of the AIA’s Architect’s Handbook of Professional Practice, in collaboration with Burpee, H. (UW Architecture).
- 2016 Collaborative Research Memorandum of Understanding (MOU): “Collaboration between Building Energy Research Center Tsinghua University, Beijing, China and Integrated Design Lab, University of Washington, Seattle, WA.” **Signed**
- 2012 Lawrence Berkeley National Laboratories (LBNL) Building Technologies Department; “eLearning Platform for Lighting and Daylighting (eLAD): An Open Source Platform/Tool-kit/Resource Package/Curriculum for High Performance Lighting and Daylighting Solutions,” Invited Core-Participant, Berkeley CA, Summer 2010.

8. Interviews, Popular Press, Videos, Podcasts, and Blogs

- 2020 **Meek, C.** “Existing Building Energy Consumption and the Opportunity of Secondary Glazing System Window Attachments,” Blog Post, January 2020. [Web Link](#).
- 2018 Lighting Controls Association. “University of Washington’s Chris Meek Talks Luminaire-Level Lighting Controls,” Interview, 5 July 2019. [Web Link](#).
- Long, Katherine. *Seattle Times*. “New UW Building is Among Greenest on Campus, but Falls Short of Cutting-Edge Efforts Elsewhere.” Interviewed regarding green building practices on the UW Seattle Campus. 22 September 2018.
- 2015 BuildingGreen. “In-House Daylight Modeling: Three Firms Share How They Do It.” Presentation and Webcast with Meek, C., Anderson, K. (LMN Architects), Petterson, L. (SRG Partnership), Roberts, T. (BuildingGreen) June 2015. [Web Link](#).
- 2013 Ferris, David. Energy and Environment News. “The Desirable, All-Natural (and Extremely Hard) Way to Light and Office” 4 March 2015. [Web Link](#). Interviewed by author, quoted extensively in publication.
- Oberkircher, Fred. *Lighting Design and Application*. Book review *Daylighting Design in the Pacific Northwest*, March 2013. Excerpts from book and commentary.
- KUOW 94.9. 30 minute interview and discussion on NPR the radio program *Weekday with Steve Scher*, about *Daylighting Design in the Pacific Northwest*, 10 January 2013
- Kelly, P. UW News. “Let there be Daylight: New Book Illustrates Use of Natural Light in Design” 2 January 2013 [Web Link](#). . Book review of *Daylighting Design in the Pacific Northwest* including excerpts from book and commentary.
- 2012 Daylighting Podcast Series, Illuminating Engineering Society of North America, (5) 25 podcasts with Matthew Kevin Van Den Wymelenberg, released in 2012. [Web Link](#).
- 2011 Online Pattern Guide Models Daylighting Strategies December, 2011, [Lighting.com](#). [Web Link](#).
- Seward, Aaron. *Architect Magazine*, “Light Meter.” 30 March 2011. Contributor: Interviewed by author for publication, quoted extensively.

- 2009 Lash, Jennifer; Architectural Lighting Magazine, “Daylighting Grocery Stores; March 2008.” Contributor: Interviewed by author for publication, Provided data from IDL Technical Reports (authored by Meek, C); Provided photography (by Meek, C.) that was used to illustrate publication, quoted in publication.
- 2006 Anderson, Linda. Green Business Magazine. “Albertsons Nets 1 Billion Kilowatt Hours,” March 2006; Contributor: Interviewed by author about research findings, technical details, project specifics, quoted, provided photography to illustrate publication.
- Cartier, S. “Going Green: New Approaches to Sustainable Building; Northwest Science and Technology,” Autumn 2005. Contributor: Interviewed, quoted by author for publication, and provided technical information for publication.
- DiLouie, Craig, “Good Controls Design Key to Saving Energy with Daylighting,” Lighting Controls Association, March 2005, Interviewed by author about Integrated Design Lab research projects, Quoted in publication.

II B. RESEARCH AND GRANT PROPOSALS & GRANTS AWARDED (Selected)

Note: Selected to exclude approximately 150 regional daylighting technical assistance contracts completed since 2010 under the University of Washington Integrated Design Lab's service center.

- 2020 Northwest Energy Efficiency Alliance, "Integrated Design Lab Services Contract Amendment No. 6"
PI: **Meek, C.**, Senior Personnel: Burpee, H. (UW Architecture), Gilbride, M. (UW Architecture), Moroseos, T. (UW Architecture), Gustin, A. (UW Architecture), \$261,400 (1-year). **Awarded.**
- Campus Sustainability Fund, Office of Planning and Management, Dow, "Electrochromic Windows for the new UW Health Sciences Education Building," Dow, Ben-Hsin (UW M. Arch. Student), and Beck, Connor (UW M. Arch. Student), Student-led proposal with **Meek, C.** (faculty advisor), Knorr, J., Hellstern, C.
\$65,000 (3-years). **Awarded.**
- Center for Integrated Design Partnership Initiative *Rosetta Stone: A Translational Tool for Research-Informed Practice*, a tool under development by IDL under the Partnership Initiative.
Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**, with Kelsey Dempsey (M. Arch. student), and Hannah McCreary (M. Arch. Student)
\$39,000 **Committed Funds via IDL-Led Consortium of 15 Architecture Firms.**
- American Institute of Architects (AIA) National, "Value Case for High Performance Buildings Literature Review."
Co-PIs: **Meek, C.** and Burpee, H. (UW Architecture)
\$10,000. **Awarded.**
- US Environmental Protection Agency (EPA) Environmental Education Local Grants Program for Region 10, "Design for Sustainability - Teaching Environmental Literacy Using Ecological Design,"
PI: Burpee, H. (UW Architecture) (UW Architecture), Sigler, D. (UW CBE), and **Meek, C.**
\$100,000 (2-years). **Not Awarded.**
- Undisclosed Technology Company, "Bellevue 600 High-Rise Tower"
(Subcontract to NBBJ Architects and McKinstry Co.).
PI: **Meek, C.**, Abrahamson, M. (UW M. Arch. student)
\$12,800 **Awarded (via IDL Revenue Acct.)**
- Northwest Energy Efficiency Alliance, "Very High Efficiency Dedicated Outside Air Systems – Literature Review for Non-Energy Benefits,"
PI: **Meek, C.**, with Senior Personnel Burpee, H. (UW Architecture)
\$5,000 (1-year). **Awarded.**

Northwest Energy Efficiency Alliance, “Total System Performance Ratio (TSPR) Training Program,”

PI: **Meek, C.**, with Senior Personnel Burpee, H. (UW Architecture)
\$60,000. *Awarded.*

American Institute of Architects (AIA) National, Gift from the American Institute of Architects to facilitate development of the *Rosetta Stone: A translational Tool for Research-Informed Practice.*

Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**
\$10,000 *Awarded.*

H-E-B Grocery Stores, “Daylighting Design Assistance for H-E-B Arsenal Tech Hub, San Antonio, TX” (subcontract to Lake Flato Architects).

PI: **Meek, C.**, Moroseos, T. (UW Architecture), Gilbride, M. (UW Architecture), Beck, C. (UW M. Arch. student)
\$12,500 *Awarded (via IDL Revenue Acct.)*

The Bullitt Foundation, “Bullitt Center Tour Development, Coordination, and Delivery,”

Co-PIs: **Meek, C.** and Burpee, H. (UW Architecture), Sigler, D. (UW CBE), Senior Personnel
\$28,600 (1-year) + \$12,600/yr. IDL cash match. *Awarded via UW Foundation.*

Puget Sound Energy, “UW IDL Sponsorship Funding to Support On-demand Assistance for Customer Engagement and District Energy Research.”

PI: **Meek, C.** and Burpee, H co-PIs with Hatten, M. (Solarc Energy Group)
\$39,840 - *Awarded via UW Foundation.*

2019

Northwest Energy Efficiency Alliance “Integrated Design Lab Services Contract Amendment No. 6.”

PI: **Meek, C.**, Senior Personnel: Burpee, H. (UW Architecture), Gilbride, M. (UW Architecture), Gustin, A. (UW Architecture).
\$120,000 *Awarded (1-year).*

City of Seattle Office of Sustainability and Environment (OSE)
“Retrofit Accelerator Pilot Program Seed Grant.”

PI: **Meek, C.**, Gustin, A. (UW Architecture). \$30,000 *Awarded via UW Foundation.*

The National Academy of Sciences US – Egypt Joint Fund
“Development and Production of a Cost-Effective Daylight Guidance System for Egypt,” Joint Proposal of the University of California, Davis, Al-Azhar University Cairo, and the University of Washington.
Mayhoob, M. (Al-Azhar University, Cairo), Siminovich, M. (UC Davis), **Meek, C.** (Institutional PIs).
\$343,859 *Submitted/In Review*.

California State University, Sonoma, “Daylighting Design Assistance for California State University Adlai Stevenson Hall” (Subcontract to EHDD Architects).
PI: **Meek, C.**, Gustin, A. (UW Architecture), Gilbride, M. (UW Architecture), Petersen, E. (UW M. Arch. student)
\$12,450 *Awarded (via IDL Revenue Acct.)*

Center for Integrated Design Partnership Initiative *Rosetta Stone: A Translational Tool for Research-Informed Practice*, a tool under development by IDL under the Partnership Initiative.
Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**, with Emilia Cabeza de Baca (M. Arch. student) and Hannah McCreary (M. Arch. student)
\$39,000 (1-year). *Awarded via an IDL-Led Consortium of 15 Architecture Firms*.

The American Institute of Architects, “AIA National Professional Practice Resources for Prosperity Editorial Consulting for the AIA Handbook of Professional Practice.”
Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**, with Andrew Dannenberg (UW School of Public Health).
\$58,000 (1-year). *Awarded*.

Northwest Energy Efficiency Alliance, “Very High Efficiency Dedicated Outside Air Systems Design Guide.”
PI: **Meek, C.**, with Senior Personnel Burpee, H. (UW Architecture), Gustin, A. (UW Architecture).
\$47,500 (1-year). *Awarded*.

Avista Development and South Landing Investors, LLC., “Daylighting Design Assistance Catalyst Building, Spokane, WA” (Subcontract to McKinstry Co.).
PI: **Meek, C.**, Abrahamson, M. (UW M. Arch. student)
\$5,450 *Awarded (via IDL Revenue Acct.)*

Northwest Energy Efficiency Alliance, “Next Step Home Program Support Area 6.5 Technical Training Development and Delivery”
PI: **Meek, C.**, with Senior Personnel Burpee, H. (UW Architecture)
\$81,900 *Not Awarded*.

Northwest Energy Efficiency Alliance. “Total System Performance Ratio Pilot Program.”

PI: **Meek, C.**, with Senior Personnel Burpee, H. (UW Architecture)

\$23,500 (1-year). **Awarded.**

American Institute of Architects (AIA) National, Gift from the American Institute of Architects to facilitate development of the *Rosetta Stone: A translational Tool for Research-Informed Practice.*

Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**

\$15,000 **Awarded.**

Puget Sound Energy; “UW IDL Sponsorship.” Funding To Support On-Demand Assistance for Customer Engagement.”

Co-PIs: **Meek, C.** and Burpee, H. (UW Architecture)

\$25,000 (1-year). **Awarded.**

Puget Sound Energy; “UW IDL Sponsorship for Energy Master Planning for a Multi-Building Site in Bellevue, WA.”

PI: **Meek, C.** and Burpee, H. (UW Architecture) co-PIs with Hatten, M. (Solarc Energy Group)

\$11,000 **Awarded.**

U.S. Department of Energy FOA#: DE-FOA-0002099. “Before It’s Too Late: A New Approach For Aligning Design, Project Delivery, and Utility Incentive Programs for Ultra-Efficient Buildings.”

PI: Burpee, H. (UW Architecture) and **Meek, C.** (co-PI), Otten, C. (Seattle City Light), Jonlin, D. (City of Seattle);

Initial Application (Concept Paper). **Not Awarded.**

American Institute of Architects (AIA) National, Gift from the American Institute of Architects to facilitate development of the *Rosetta Stone: A translational Tool for Research-Informed Practice.*

Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**

\$10,000 **Awarded.**

The Bullitt Foundation, “Bullitt Center Tour Development, Coordination, and Delivery.”

Co-PIs: **Meek, C.** and Burpee, H. (UW Architecture), Sigler, D. (UW CBE), Key Personnel.

\$28,600 (1-year) + \$12,600/yr. IDL cash match. **Awarded via UW Foundation**

2018

Center for Integrated Design Partnership Initiative *Rosetta Stone: A Translational Tool for Research-Informed Practice*, a tool under development by IDL under the Partnership Initiative.

Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**, with Brad Valtman (M. Arch. student) and Emilia Cabeza de Baca (M. Arch. student).

\$32,000 (1-year). *Awarded via an IDL-Led Consortium of 15 Architecture Firms.*

Puget Sound Energy “UW IDL Sponsorship.” Funding to support on-demand assistance for customer engagement.

PI: **Meek, C.** and Burpee, H. (UW Architecture) co-PIs

\$25,000. *Awarded.*

Northwest Energy Efficiency Alliance; “Advancing Luminaire-Level Lighting Controls (LLCs) Technology in the Pacific Northwest.”

PI: **Meek, C.**, Abrahamson, M. (M. Arch student)

\$41,000 (1-year). *Awarded.*

Sonoma Clean Power, “Daylighting Design Assistance for Sonoma Clean Power Net-Zero Energy Headquarters; Santa Rosa, CA,” (Subcontract to EHDD Architecture).

PI: **Meek, C.**, Gustin, A. (M. Arch student)

\$12,450 *Awarded (via IDL Revenue Acct.)*

Puget Consumer CO-OP, Sonoma Clean Power, “Daylighting Design Assistance for PCC Community Markets New Burien Store”; (Subcontract to MG2 Architecture).

PI: **Meek, C.**, Gilbride, M. Petersen, E. (M. Arch student).

\$4,750 *Awarded (via IDL Revenue Acct.)*

Edmonds Waterfront Center, “Daylighting Design Assistance for the New Edmonds Waterfront Center”; (Subcontract to Environmental Works Community Design Center).

PI: **Meek, C.**, Gilbride, M. (UW Architecture), Valtman, B. (M. Arch student)

\$1,300 *Awarded (via IDL Revenue Acct.)*

US Environmental Protection Agency (EPA) Environmental Education Local Grants Program for Region 10, “Center for Integrated Design Environment by Design Education Program.”

PI: Gilbride, M. (UW Architecture), Sigler, D. (UW CBE), **Meek, C.**

\$100,000 *Not Awarded.*

Northwest Energy Efficiency Alliance. “Integrated Design Lab Operation and Other Services;”

PI: **Meek, C.**, with Senior Personnel Burpee, H. (UW Architecture) and Gilbride, M. (UW Architecture).

\$429,000 (2018) (\$815,000 2018-2019) *Awarded.*

Northwest Energy Efficiency Alliance “HVAC Market and Technical Expertise.”

PI: Burpee, H. (UW Architecture) with **Meek, C.**

Prequalification. *Awarded.*

University of Oregon, “The Business Case for Building Tune-ups, Benchmarking and the Role of Emerging Technology”

PI: **Meek, C.**

\$2,000 *Awarded.*

University of Washington Global Innovation Fund. Award to build a partnership between the College of Built Environments Center for Integrated Design and UW eScience Institute with Tsinghua University Building Energy Research Center.

PI: **Meek, C.**, Burpee, H. (UW Architecture), and Beck, D. (UW eScience Institute)

\$10,000, *Awarded.*

The Bullitt Foundation, “Bullitt Center Tour Development, Coordination, and Delivery.”

PI: **Meek, C.** and Burpee, H. (UW Architecture) co-PI, Sigler, D. (UW CBE), Key Personnel.

\$28,600 (1-year) + \$12,600/yr. IDL cash match. *Awarded via UW Foundation.*

2017

Center for Integrated Design Partnership Initiative *Rosetta Stone: A Translational Tool for Research-Informed Practice*, a tool under development by IDL under the Partnership Initiative.

Co-PIs: Burpee, H. (UW Architecture) and **Meek, C.**, with Brad Valtman (M. Arch. student)

\$32,000 (1-year). *Awarded via an IDL-Led Consortium of 15 Architecture Firms.*

Northwest Energy Efficiency Alliance; “Dynamic Shading Systems User and Operator Survey Contract Amendment.”

PI: **Meek, C.**, with Norwood, W. (UW Architecture M. Arch Candidate)

\$12,500 (1-year). *Awarded.*

Seattle City Light, "Energy Center Concept Development MOU."
Developing strategic plans for collaborative development of regional energy center with conceived partnerships between Seattle City Light, Smart Building Center (NEEC), and UW Center for Integrated Design.
PI: Burpee, H. (UW Architecture) with **Meek, C.**
\$12,000. *Awarded.*

Northwest Energy Efficiency Alliance, "Residential End Use Loads Assessment,"
PI: Kreigh, J. (UW Community and Environmental Planning), Cole, J. (Konstrukt), **Meek, C.**
\$3,100,000, *Not Awarded.*

Alaska Airlines, "Daylighting Design Assistance for the Alaska Air North Satellite Terminal (NSAT) Lounge, Seatac, WA" (Subcontract to Graham Baba Architects/SRG Partnership).
PI: **Meek, C.**, Torres, I. (M. Arch Student)
\$7,950 *Awarded (via IDL Revenue Acct.)*

Santa Clara University, "Daylighting Design Assistance for Sobrato Campus for Discovery and Innovation at Santa Clara University" (Subcontract to ZGF Architects (Portland, OR Office)).
PI: **Meek, C.**
\$6,400 *Awarded (via IDL Revenue Acct.)*

Undisclosed Technology Company, "Daylighting Technical Assistance on Undisclosed Technology Company Offices, Santa Monica, CA" (Subcontract to Lake Flato Architects)).
PI: **Meek, C.**, Gilbride, M. (UW Architecture), with Norwood, W. (UW Architecture M. Arch Candidate)
\$31,000 *Awarded (via IDL Revenue Acct.)*

Northwest Energy Efficiency Alliance, "Emerging Technology Market Scanning and Technical Services"
PI: **Meek, C.**, Gilbride, M. (UW Architecture), Burpee, H. (UW Architecture),
\$36,040 *Awarded.*

Seattle City Light, "Tools and Methods for Energy Efficiency,"
Professional Education Curriculum Development and Delivery with three series that each include four, four-hour sessions.
PI Burpee, H. (UW Architecture) Supporting Team: **Meek, C.**, Hatten, M. (SOLARC Engineering), Gilbride, M. (UW Architecture).
\$60,000 *Awarded.*

Northwest Energy Efficiency Alliance, "Emerging Technology Market Scanning and Technical Services."

PI: **Meek, C.**, with Senior Personnel: Gilbride, M. (UW Architecture), Burpee, H. (UW Architecture)
\$36,040 (1-year) *Awarded.*

The Bullitt Foundation, "Bullitt Center Tour Development, Coordination, and Delivery."

PI: **Meek, C.** and co-PI Burpee, H. (UW Architecture), Sigler, D. (UW CBE), Key Personnel.
\$28,600 (1-year) + \$12,600/yr. IDL cash match. *Awarded via UW Foundation.*

2016

U.S. Department of Energy FOA#: DE-FOA-0001385. "Building Tune-Up Accelerator."

PI: **Meek, C.** (UW Architecture). Supporting Team: Burpee, H. (UW Architecture), Gilbride, M. (UW Architecture). \$300,000 including NEEA cost-match, Sub-Proposal to City of Seattle Office of Sustainability and Environment, Total proposal \$3,000,000.
\$300,000 (3-year) *Awarded.*

VIEW Dynamic Glazing, Inc., Milpitas, CA "Simulation-based Evaluation of Electrochromic Windows As a Method for Controlling Daylight and Sunlight in Audio/Visual Environments in Buildings."

PI: **Meek, C.** (1-year), Gilbride, M. (UW Architecture). Valtmann, B. (UW M. Arch. student)
\$12,850 (1-year) *Awarded (via IDL Revenue Acct.).*

EPA Region 10 for the Environmental Education (EE) Grant Program, "Center for Integrated Design Living Education Program,"

PI: **Meek, C.**, Supporting Team: Gilbride, M. (UW Architecture), Sigler, D. (UW CBE), and Burpee, H. (UW Architecture)
\$91,000 *Not Awarded.*

U.S. Department of Energy FOA#: DE-FOA-0001383. "HIVE: Humans Integrated Voltron messaging for Energy savings."

PI: **Meek, C.**, Burpee, H. (UW Architecture) co-PI with Northeastern University, South Seattle Community College, WSP Parsons Brinckerhoff, Weber + Thompson; \$2,400,000 (5-years)
Initial Application (Concept Paper) *Not Awarded.*

American Institute of Architects Upjohn Research Grant, "Designing With Climate: What Does a Deep Dive Into the Data of a High-Performance Commercial Building Tell Us?"

PI: **Meek, C.**, Pena, R. (UW Architecture), Gilbride, M. (UW Architecture).
\$30,000 + 29,950 IDL Cash Match *Not Awarded.*

University of California Davis (Consultant to EHDD Architecture) “Daylighting Design Assistance for UC Davis Haring Hall, Davis, CA”

PI: **Meek, C.**

\$20,850 *Awarded (via IDL Revenue Acct.)*.

U.S. Department of Energy (FOA#: DE-FOA-0001383), “HIVE: Humans Integrated Voltron messaging for Energy savings”

PI: **Meek, C.**, (Proposal Lead) Burpee, H. (UW Architecture) (UW) co-PI, with Northeastern University, South Seattle Community College, WSP Parsons Brinckerhoff, Weber + Thompson.

\$2,400,000 Concept Paper *Not Awarded*.

Bo Bartlett Center “Technical Assistance on Curatorial Daylighting Design for Bo Bartlett Center, Columbus, GA” (Subcontract to Olson Kundig Architects).

PI: **Meek, C.**

\$1500 *Awarded (via IDL Revenue Acct.)*.

American Institute of Architects, Seattle Chapter. "Materials Matter" Curriculum Development.

PI: Burpee, H. (UW Architecture) Supporting Team: **Meek, C.**, Simonen, K. (UW Architecture), Todd, J. A. (Health Product Declaration Collaborative).

\$40,000 (1-year) *Awarded*.

Puget Sound Energy “Integrated Energy Design Assistance for New Construction 2017.”

PI: **Meek, C.**; Hatten, M, (Solarc Energy Group)

\$20,000 *Not Awarded*.

Bonneville Power and the Northwest Energy Efficiency Alliance, “Technology Transfer Roadmap to Net Zero Energy.” Northwest Energy Efficiency Alliance

PI: **Meek, C.**, Gilbride, M. (UW Architecture); \$19,396 (1 year) *Awarded (Contract Amendment)*.

Seattle City Light’s Customer Energy Solutions Division, “Commercial Building Energy Systems Evaluation and Design Education.”

Burpee, H. (UW Architecture), PI and **Meek, C.** co-PI,

\$65,000 (2-year) *Awarded*.

American Institute of Architects, Design and Health Research Consortium.
Application for University of Washington of Washington team to join the second cohort of the Consortium.

PI: Burpee, H. (UW Architecture) and Dannenberg, A. (UW School of Public Health). Supporting faculty: **Meek, C.** (UW Architecture), Pena, R. (UW Architecture), Proksch, G. (UW Architecture), Simonen, K. (UW Architecture), Frumkin, H. (UW School of Public Health), Meschke, J. S., (UW School of Public Health), Beck, D. (UW Chemical Engineering).

January 2016 - December 2018. ***Selected.***

Northwest Energy Efficiency Alliance, “Weather and Occupancy Normalized Energy Regression Evaluation of a Retrofit Dynamic Glazing System of an Existing Office Building in Seattle.”

PI: Meek, C., \$18,000 (2-year) ***Awarded (Contract Amendment).***

Campus Sustainability Fund, Office of Planning and Management, Northwest Energy Efficiency Alliance, “Campus Illumination: An Implementation Strategy for Sustainable Exterior Lighting.”

PI: Douglas, K. (UW M. Landscape Architecture Student) with **Meek, C.** (Faculty Advisor), Kenney, K. (UW), Strandberg, E. (Lighting Design Lab, City of Seattle) \$72,000 ***Awarded.***

EPA Region 10 for the Environmental Education (EE) Grant Program, “Center for Integrated Design Living Education Program.”

PI: **Meek, C.**, Gilbride, M. (UW Architecture), Senior Personnel: Sigler, D. (UW CBE), Burpee, H. (UW Architecture)

\$91,000 ***Not Awarded.***

2015

PI: Meek, C., “Integrated Design Lab Operation and Other Services”; Northwest Energy Efficiency Alliance; \$481,000 (1-year contract amendment) ***Awarded.***

Bonneville Power Administration Program Solicitation FY15 Technology and Innovation FOA#: BPA-00002882, “Evaluation and Acceleration of Dynamic Shading and Glare Control Systems for Increased Energy Efficiency and Human Comfort in Pacific Northwest Buildings.”

PI: **Meek, C.**, Senior Personnel: Gilbride, M. (UW Architecture)

\$370,000 (3-Year) ***Not Awarded.***

Bonneville Power Administration Program Solicitation FY15 Technology and Innovation FOA#: BPA-00002882; “Transforming the Daylighting Pattern Guide into an Integrated Daylighting and Energy Design Guide.” Sub-Proposal to University of Oregon.

PI: **Meek, C.**, Gilbride, M. (UW Architecture), Senior Personnel

\$540,000 ***Not Awarded.***

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Advancing Solutions to Improve the Energy Efficiency of U.S. Commercial Buildings. “Advancing Integrated High Performance Healthcare Solutions -- Healthcare 21.”

PI: Burpee, H. (UW Architecture), with Senior Personnel; Loveland, J. (UW Architecture), **Meek, C.**

3 year project, \$985,820 Federal Funding with confirmed \$988,000 match from the Northwest Energy Efficiency Alliance (NEEA), NBBJ, Providence Health and Services, and Miscellaneous In-Kind Contributions – Total \$1.97 million Full Application – *Not Awarded.*

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Advancing Solutions to Improve the Energy Efficiency of U.S. Commercial Buildings. “Advancing Integrated High Performance Healthcare Solutions -- Healthcare 21.”

PI: Burpee, H. (UW Architecture); with Senior Personnel Loveland, J. (UW Architecture), **Meek, C.**

Initial Application (Concept Paper) – *Encouraged.*

The Bullitt Foundation, “Founding Partner – Center for Integrated Design at the Bullitt Center” PI: **Meek, C.** and co-PIs Burpee, H. (UW Architecture), Loveland, J. (UW Architecture), Key Personnel.

\$225,000 (3-year). *Awarded via UW Foundation.*

2014

Northwest Energy Efficiency Alliance, “Integrated Design Lab Operation and Other Services.”

PI: **Meek, C.**, Co-PI: Loveland, J. (UW Architecture)

\$519,000 (1-year) *Awarded.*

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Advancing Solutions to Improve the Energy Efficiency of U.S. Commercial Buildings. “Advancing Integrated High Performance Healthcare Solutions -- Healthcare 21.”

PI: Burpee, H. (UW Architecture); with Senior Personnel Loveland, J. (UW Architecture), **Meek, C.** (UW Architecture).

Internal University of Washington Competitive Application Selecting Single Submission to Dept. of Energy from Institution.

UW Competitive Pre-Application. **Selected.**

Washington State Department of Licensing, “LEED Building Valuation Analysis.”

PI: O’Connor, Stephen (Runstad Center for Real Estate Studies), Senior Personnel: Bassok, A. (UW CEP), **Meek, C.**

\$86,000 (1-year) (via Runstad Center for Real Estate) *Awarded.*

National Science Foundation (NSF), Research Experience and Mentoring (REM) Supplement, “Research Experience and Mentoring for Under-Represented Students in STEM – Summer 2014.” Supplemental to EFRI-SEED: Towards Zero-Energy Buildings Based on Energy Harvesting Electrochromic Window (EH-ECW) and Thermoelectrics (TE) Systems)

PI: Luscombe, C. (UW Molecular Engineering) Co-PIs: Cooper, J. (UW Civil Engineering); Kuga, Y. (UW Electrical Engineering); **Meek, C.**, Taya, M. (UW Mechanical Engineering) National Science Foundation
\$80,000 (1 year) *Awarded.*

Innovate Washington (Washington State Department of Commerce), “Integrated Energy Design Assistance for Pacific Tower.”

PI: **Meek, C.**, with Hatten, M. (Solarc Energy Group)
\$36,000 *Awarded*

Puget Sound Energy; “Integrated Energy Design Assistance for New Construction 2014-2015”

PI: **Meek, C.**, with Hatten, M. (Solarc Energy Group)
\$40,000 (1-year) *Awarded*

National Science Foundation, “University of Washington (UW) Center for Integrated Design (CID) application to join the Sustainably Integrated Buildings and Sites (SIBS) NSF Industry/University Cooperative Research Center.”

Partnership led by Cox, R. at University of North Carolina, Charlotte;
PI: **Meek, C.**, with Senior Personnel Loveland, J. (UW Architecture), Burpee, H. (UW Architecture)

\$150,000 *Letter of Intent Accepted. Encouraged to submit planning grant proposal.*

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Commercial Building Technology Demonstrations. “Advanced Re-Commissioning: Healthcare Energy Efficiency Toolkit (HEET).”

PI: Burpee, H. (UW Architecture); with Senior Personnel Hatten, M. (SOLARC Engineering), Loveland, J. (UW Architecture), **Meek, C.**

\$1.66 million Federal Funding with confirmed \$1.66 million match from Providence Healthcare system– Total \$3.3 million (4 year project)

Full Application – *Not Awarded.*

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Commercial Building Technology Demonstrations. “Advanced Re-Commissioning:

PI: Burpee, H. (UW Architecture); with Senior Personnel Hatten, M. (SOLARC Engineering), Loveland, J. (UW Architecture), **Meek, C.**, Healthcare Energy Efficiency Toolkit (HEET).”

Initial Application (Concept Paper). *Encouraged.*

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Commercial Building Technology Demonstrations. “Zero-Net Energy Technology Innovation Test Bed and Market Transformation Platform for Commercial Real Estate: The Bullitt Center.”

PI: Burpee, H. (UW Architecture); with Senior Personnel Loveland, J. (UW Architecture), **Meek, C.** (UW Architecture), Pena, R. (UW Architecture); \$1.3 million Federal Funding with confirmed \$1.3 million match from the Northwest Energy Efficiency Alliance, The Bullitt Foundation, and The University of Washington – Total \$2.6 million (5-year). *Not Awarded.*

U.S. Dept. of Energy, Office of Energy Efficiency and Renewable Energy (EERE) Commercial Building Technology Demonstrations. “Zero-Net Energy Technology Innovation Test Bed and Market Transformation Platform for Commercial Real Estate: The Bullitt Center.”

PI: Burpee, H. (UW Architecture); with Senior Personnel Loveland, J. (UW Architecture), **Meek, C.**, Pena, R. (UW Architecture).
Initial Application (Concept Paper) *Encouraged.*

Department of Energy Bonneville Power Administration (BPA). “The Bullitt Center: Zero Net Energy Technology Test Bed and Communications Platform.”

PI: Loveland, J. (UW Architecture), J.; with Senior Personnel Burpee, H. (UW Architecture), **Meek, C.**, Pena, R. (UW Architecture).
Initial Application (Concept Paper) *Discouraged.*

National Science Foundation, “Sustainability Research Networks Competition (SRN) 2014 Focus: Urban Sustainability,” Sub-Proposal with California Polytechnic University.

PI: Loveland, J. (UW Architecture), J.; with Senior Personnel Burpee, H. (UW Architecture), **Meek, C.**, Pena, R. (UW Architecture).
\$12 million (\$625,000 to UW) (5-year) *Not Awarded.*

The Burke Museum Meek, C.; “Daylighting Design Assistance for Burke Museum Replacement, Seattle, WA”; (In partnership with Olson Kundig Architects)

PI: **Meek, C.**
\$9,000 (1 year) *Awarded (via IDL Revenue Acct.).*

Rowland Hall Independent Private School, “Daylighting and Electric Lighting Integration Rowland Hall Athletic Complex, Salt Lake City, UT” (Subcontract to EHDD Architecture).

PI: **Meek, C.**
\$10,500 *Awarded (via IDL Revenue Acct.).*

Rowland Hall Independent Private School, “Daylighting and Electric Lighting Integration for Net-Zero Energy Mark Day School, San Rafael, CA.” (Subcontract to EHDD Architecture).

PI: **Meek, C.**

\$10,500 *Awarded (via IDL Revenue Acct.)*

Bellevue Congregational Church, “Daylighting and Electric Lighting Integration Bellevue Congregational Church, Bellevue, WA” (Atelier Jones/Susan Jones (UW Architecture)).

PI: **Meek, C.**

\$3,000 *Awarded (via IDL Revenue Acct.)*

2013

American Institute of Architects National Innovation Grant (via AIA Seattle), “Getting to Zero Educational Program Development”,

PI: **Meek, C.**, Co-PIs Burpee (UW Architecture), H., Hatten, M. (SOLARC Engineering); Loveland, J. (UW Architecture).

\$24,000 (2 years) *Awarded.*

Puget Sound Energy, “Integrated Energy Design Assistance for New Construction 2013-2014”

PI: Loveland, J., Senior Personnel: **Meek, C.**, Hatten, M. (Solarc Energy Group)

\$40,000 *Awarded (via IDL Revenue Acct.)*

Northwest Energy Efficiency Alliance, “Integrated Design Lab Operation and Other Services (2013)”

PI: **Meek, C.**, Co-PI: Loveland, J. (UW Architecture)

\$505,000 (1-year) *Awarded.*

Westside School, “Daylighting and Electric Lighting Integration Westside School, Seattle, WA” (Subcontract to Sundberg Kennedy Ly-Au Young Architects).

PI: **Meek, C.**

\$4000 *Awarded (via IDL Revenue Acct.)*

King County Library System, “Daylighting and Electric Lighting Integration Kingsgate Library, Kirkland, WA” (Subcontract to Sundberg Kennedy Ly-Au Young Architects).

PI: **Meek, C.**

\$3000 *Awarded (via IDL Revenue Acct.)*

National Science Foundation (NSF), Research Experience and Mentoring (REM) Supplement, “Research Experience and Mentoring for Under-Represented Students in STEM – Summer 2013.” Supplemental to EFRI-SEED: Towards Zero-Energy Buildings Based on Energy Harvesting Electrochromic Window (EH-ECW) and Thermoelectrics (TE) Systems)

PI: Luscombe, C. (UW Molecular Engineering) Co-PIs: Cooper, J. (UW Civil Engineering); Kuga, Y. (UW Electrical Engineering); **Meek, C.**, Taya, M. (UW Mechanical Engineering) National Science Foundation
\$100,000 (1 year) *Awarded.*

California State Polytechnic University, Pomona, “Millikan Laboratory Renovation; Pomona, CA” (Subcontract to EHDD Architecture).
PI: **Meek, C.**, Schaat, R. (UW M. Arch. student)
\$8,500 *Awarded (via IDL Revenue Acct.)*

U.S. Department of Energy, “Healthcare 21” Building on the momentum of Targeting 100! Develop research, deployment, and demonstration of high performance medical office building and clinics to meet the goals of the 2030 Challenge for new construction and renovations.

PI: Burpee, H. (UW Architecture), with **Meek, C.**, Loveland, J. (UW Architecture), Helmers, A. (UW Architecture) (sub-contractors) (SOLARC Engineering) and Energy + Architectural Consulting, and TBD Consultants.
Not Awarded.

Energy Design Consulting for West Los Angeles Veterans Administration
With Cannon Design and Leo O. Daly
Cannon Design, West LA VA

PI: **Burpee, H.** (UW Architecture) with Hatten, M. (SOLARC Engineering).
Pending \$50,000. Project on hold.

2012 National Science Foundation (NSF), Research Experience and Mentoring (REM) Supplement, “Research Experience and Mentoring for Under-Represented Students in STEM – Summer 2012.” Supplemental to EFRI-SEED: Towards Zero-Energy Buildings Based on Energy Harvesting Electrochromic Window (EH-ECW) and Thermoelectrics (TE) Systems
PI: Luscombe, C. (UW Molecular Engineering) Co-PIs: Cooper, J. (UW Civil Engineering); Kuga, Y. (UW Electrical Engineering); **Meek, C.**, Taya, M. (UW Mechanical Engineering) National Science Foundation
\$80,000 (1 year) *Awarded.*

Private foundation funding (undisclosed) arranged by New Buildings Institute
“Daylighting Pattern Guide plus Energy (DPG+E): Pilot Phase”

PI: **Meek, C.**, Caldwell, L. (UW M. Arch. student)
\$12,500 (1-year) *Awarded*

Chatham University, “Daylighting Design and Analysis for Chatham University Eco-Center, Pittsburgh, PA” (Subcontract to Mithun Architects).

PI: **Meek, C.**, Schaat, R. (UW M. Arch. student)
\$8,500 *Awarded (via IDL Revenue Acct.)*

Georgia Institute of Technology, “Daylighting Design Assistance for the Georgia Tech Engineered Bio-Systems Building, Atlanta, GA” (Subcontract to Lake Flato Architects).

Co PIs: Loveland, J. (UW Architecture), **Meek, C.** with Gilbride, M. (UW M. Arch. Student)

\$37,500 *Awarded (via IDL Revenue Acct.)*

Trans-disciplinary UW CBE laboratory for research, teaching, and learning. “Health of the Built Environment.”

PI: Burpee, H. (UW Architecture), with **Meek, C.**, Simonen, K. (UW Architecture), Trout, A. (UW CBE PhD candidate), Spencer, B. (UW Landscape Architecture), Dannenberg, A. (UW School of Public Health); and Mugerauer, B. (UDP).

Not Awarded.

2011 University of California, San Diego, “Daylighting and Façade Design for the Altman Clinical and Translational Research Institute at UCSD, La Jolla, CA” (Subcontract to ZGF Architects (Los Angeles, CA)).

PI: **Meek, C.** with Feliciano, K. (UW M. Arch. student)

\$37,000 *Awarded (via IDL Revenue Acct.)*

Lawrence Berkeley National Lab, “*E-Lad: Lighting and Daylighting Online Learning Platform Development.*” Collaborate with research team to develop online learning tool aimed at educating students related to daylighting and electric lighting themes.

\$15,000 (1-year) *Awarded.*

Hawaii State Public Library System, “Daylighting Design Assistance for the Aiea Library, Aiea, HI” (Subcontract to Fermata Consulting via CDS International and Hawaiian Electric Company (HECO)).

PI: **Meek, C.** with Kelly, S. (UW M. Arch. student)

\$1,500 *Awarded (via IDL Revenue Acct.)*

University of Washington, College of Built Environments, Dean’s Office, “Publication Support for Daylighting Design in the Pacific Northwest by the University of Washington Press”

\$2,500 *Awarded*

Google, Inc., “Daylighting Design and Analysis for Stierlin Court 2011+2021 (Google X), Mt. View, CA,” (Subcontract to Mithun Architects (Seattle, WA)).

PI: **Meek, C.** with Schaat, R. (UW M. Arch. student)

\$12,500 *Awarded (via IDL Revenue Acct.)*

New Buildings Institute; “Development of an Educational Curriculum for Energy Efficient Lighting for the Advanced Lighting Guidelines”
PI: Meek, C., with Bartholomew, E. (UW Architecture)
\$20,000 *Awarded.*

University of Arizona, “Daylighting and Electric Lighting Design Assistance for the University of Arizona Cancer Center, Tucson, AZ,” (Subcontract to ZGF Architects (Los Angeles, CA)).
PI: **Meek, C.** with Marshall, S. (UW M. Arch. student)
\$287,000 *Awarded (via IDL Revenue Acct.).*

2010 Private foundation funding arranged by New Buildings Institute, “Development of a Daylighting Pattern Guide: Phase 2,” Collaboration with University of Idaho.
PI: **Meek, C.**, Van den Wymelenberg, K. (PI University of Idaho)
\$212,000 (\$106,000 in UW funding) *Awarded.*

Valley Medical Center + Northwest Energy Efficiency Alliance, “Integrated Design Assistance for Valley Medical Center ED and Treatment,” (Partnership with NBBJ) \$27,600 + Northwest Energy Efficiency Alliance Match
PI: Loveland, J. (UW Architecture); Burpee, H. (UW Architecture).; **Meek, C.**
\$47,700 *Awarded.*

National Science Foundation, Emerging Frontiers in Research and Innovation: Science in Energy and Environmental Design (EFRI-SEED), “Towards Zero-Energy Buildings Based on Energy Harvesting Electrochromic Window (EH-ECW) and Thermoelectrics (TE) Systems.”
PI: Taya (UW Mechanical Engineering), M., Co-PIs: Cooper, J. (UW Civil Engineering), Kuga, Y. (UW Electrical Engineering), Luscombe, C (UW Molecular Engineering), **Meek, C.**
\$2,000,000 (\$398,000 to UW College of Built Environments)(4-years) *Awarded*

Guadalajara Museum of Art, “Daylighting Design and Analysis for Guadalajara Museum of Contemporary Art: Large Exhibition Space 9, Guadalajara, Mexico,” Subcontract to Herzog and DeMeuron/Light Team Gustavo Aviles, Mexico, D.F.
PI: **Meek, C.** with Marshall, S. (UW M. Arch. student)
\$5000 *Awarded (via IDL Revenue Acct.)*

Northwest Energy Efficiency Alliance “In Support of Publication of *Daylighting Design in the Pacific Northwest*” Publication support for co-authored book.
\$15,000 *Awarded.*

New Buildings Institute; “Energy Efficient Lighting Case Studies for Renovation and New Construction for the Advanced Lighting Guidelines”
PI: Meek, C., with Marshall, S. (UW M. Arch. students)
\$8,000 *Awarded.*

Austin Public Library, “Daylighting Design Assistance for the Austin Public Library, Austin, TX” (Subcontract to Lake Flato Architects).

Co PIs: Loveland, J. (UW Architecture), **Meek, C.** with Brennan, M. and Abuyaghi, T. (UW M. Arch. student)

\$37,500 *Awarded (via IDL Revenue Acct.)*

Everett Community College and Northwest Energy Efficiency Alliance, “Energy Performance and Daylighting Services for Everett Community College Index Health Careers Building”; SRG Partnership.

PI: Loveland, J. (UW Architecture), with **Meek, C.**, Pena, R (UW Architecture)

\$37,220 *Awarded.*

2009

University of California San Diego Facility Design and Construction, “Design and Simulation of a Dynamic Shading System for the Health Sciences Biomedical Research Facility 2, La Jolla, CA,” (Subcontract to ZGF Architects (Portland, OR)).

PI: **Meek, C.**, with Brennan, M. (UW M. Arch. student)

\$25,000 *Awarded (via IDL Revenue Acct.)*

National Science Foundation, Emerging Frontiers in Research and Innovation: Science in Energy and Environmental Design (EFRI-SEED), “Towards Zero-Energy Buildings Based on Energy Harvesting Electrochromic Window (EH-ECW) and Thermoelectrics (TE) Systems.”

PI: Taya (UW Mechanical Engineering), M., Co-PIs: Cooper, J. (UW Civil Engineering), Kuga, Y. (UW Electrical Engineering), Luscombe, C (UW Molecular Engineering), **Meek, C.**

\$2,000,000 Preliminary Proposal Phase. *Accepted.*

Foundation Funding Arranged by New Buildings Institute, “Development of a Daylighting Pattern Guide.”

PI: **Meek, C.**, with Brennan, M. (M. Arch student) and Marshall, S.(M. Arch student)

\$120,000 *Proposal Phase – Accepted*

New Buildings Institute, “Development of a Daylighting Design Guide for the Commercial Office”

PI: **Meek, C.**, with Parsley, K. (Interior Architects)

\$15,000 *Awarded.*

2008

University of California San Diego Facility Design and Construction, “Daylighting Design Assistance: Programming for UCSD Health Sciences Biomedical Research Facility 2,” (Subcontract to ZGF Architects (Portland, OR)).

PI: **Meek, C.**

\$14,000 *Awarded (via IDL Revenue Acct.)*

- 2007 City of Seattle Department of Planning and Development “Technical Brief: Daylighting Fire Stations.”
Co-PIs: Bartholomew, E. (UW Architecture) and **Meek, C.**
\$10,000 *Awarded (via IDL Revenue Acct.)*
- California Public Interest Energy Research “The Development of a National Daylighting Metric for Spatial Lighting and Energy Performance: Modeling Daylit Spaces,” Sub-award from the Heschong Mahone Group to UW Daylighting Lab.
PI: Loveland, J. (UW Architecture) with **Meek, C.** with Foley, M. (UW M. Arch Student)
\$80,000 (2 years) *Awarded*
- S/L/A/M Collaborative Architects and Engineers, “Daylighting Design and Analysis for Pratt and Whitney Building ‘G’ Conversion.” Albert Kahn - designed original building.
PI: **Meek, C.** with Cheney (Harding), K. (UW M.S Design Computing student)
\$4,500 *Awarded (via IDL Revenue Acct.)*
- Blumen Consulting Group, “Sunlight Reflection for Installation of Giant Egg (by Artist Anish Kapoor) at Meydenbauer Bay, Medina, WA”
PI: Loveland, J. (UW Architecture), **Meek, C.**
\$5,000 *Awarded (via IDL Revenue Acct.)*
- University of British Columbia, “Daylighting Analysis for UBC Okanogan new Engineering Building,” (Subcontract to Bunting Coady Architects, Vancouver, BC).
PI: **Meek, C.**
\$3,500 *Awarded (via IDL Revenue Acct.)*
- University of British Columbia and BC Hydro, “Daylighting Analysis for UBC Museum of Anthropology Addition” Arthur Erickson/Stantec Architecture (Subcontract to Arthur Erickson/Stantec Architecture, Vancouver, BC).
PI: **Meek, C.**
\$5,000 *Awarded (via IDL Revenue Acct.)*

II C. INVITED AND REFEREED PRESENTATIONS OF RESEARCH

1. Refereed Presentations [Estimated Participants]

- 2019 International Conference on Climate Resilient Cities, Energy, and Renewables in the Digital Era (CISBAT). "Development and Dissemination of Deep-Energy Retrofit Strategies through a Mandatory Municipal Building Tune-Up Ordinance in Seattle, Washington, USA," Lausanne, Switzerland, 5 September 2019. [50]

AIA Conference on Architecture 2019. “Daylight Control Essentials, From Integrated Lighting to Dynamic Shading”, with Mistrick, R. (Pennsylvania State University) and McKay, H. (Horton Lees Brogden), Las Vegas NV, 8 June 2019. [250]

AIA Conference on Architecture 2019. “Discovering the Rosetta Stone: Translating Research for Design Decision-Making,” with Burpee, H. (UW Architecture), Heerwagen, J. (U.S. General Services Administration), Harrell, M. (Weber+Thompson Architects), Schopf, A. (Mahlum Architects). Session Organizer, Las Vegas NV, 7 June 2019. [125]

Washington Oregon Higher Education Sustainability Conference (WOHESC). “Building a Sustainable Future: Intersections of Energy, Infrastructure, Student and Community Engagement in Campus Design With Global Reach,” (Live event with podcast recording), with David Karlsgodt (Fovea), Panelists: Chris Helstern (Miller Hull Partnership), Devin Kleiner (Perkins+Will), Kyle McDermott (UW Campus Sustainability Fund), Seattle WA 26 February 2019. [65]

2018 Conference on Advanced Building Skins. “Energy Performance Evaluation of A Whole-Building Electrochromic Window Retrofit in a Commercial Office Building,” Bern, Switzerland, 2 October 2018. [150]

American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Buildings. “Partnership Initiative with Leading Architectural Firms to Spark Research Innovation in Practice,” Asilomar CA, 13 August 2018. . [75]

2017 Lightfair International 2017. “Daylight Control Essentials, From Integrated Lighting to Dynamic Shading”, with Mistrick, R. (Pennsylvania State University) and McKay, H. (Horton Lees Brogden), Philadelphia PA, 9 May 2017. [200]

2016 New Buildings Institute (NBI) Getting to Zero National Forum. “Occupant-Behavior-Driven Energy Savings at the Bullitt Center in Seattle, WA,” Hanford, J., (Miller Hull Partnership) Stenkamp, J, (PAE Engineering) Meek, C., Denver CO, 13 October 2016. [75]

American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Buildings. “Occupant-Behavior-Driven Energy Savings at the Bullitt Center,” with Kriegh, J. (UW Community and Env. Planning) Asilomar CA, July 2016. [75]

Lightfair International 2016. “Daylight Patterns and Energy Performance,” with Van Den Wymelenberg, K. (University of Oregon), San Diego CA, 27 April 2016. [125]

- 2015 National Science Foundation EFRI-SEED Grantees Meeting. “Perspectives on being the Architect co-Principal Investigator on an EFRI-SEED Grant.” San Francisco CA, San Francisco, 10 April 2015. [45]
- Lightfair International 2015. “Case Studies of Daylight and Energy Performance”, with Van Den Wymelenberg, K. (University of Oregon), Las Vegas NV, 6 May 2015 [125]
- Lightfair International 2015. “One-Day Daylighting Fundamentals Workshop”, with Van Den Wymelenberg, K. (University of Oregon), Las Vegas NV, 4 May 2015. [45]
- 2014 US Green Building Council Hawaii Chapter. “Net-Zero Building Design: The Bullitt Center: Design and Performance,” Honolulu HI, 24 June 2014. [75]
- Lightfair International 2014. “An Ecology of Light: Ten Steps to Daylighting Success”, with Van Den Wymelenberg, K. (University of Idaho), Las Vegas NV, 3 June 2014. [250]
- Lightfair International 2014. “Two-Day Daylighting Fundamentals Workshop”, with Van Den Wymelenberg, K. (University of Idaho), Las Vegas NV, 1 June 2014. [25]
- 2013 Greenbuild National (US Green Building Council) Conference. “The Lichen and the Rock: Integrated Design and Daylighting” with Bill LaPatra, Partner, Mithun, Philadelphia PA, 21 November 2013. [200]
- International Building Performance Simulation Association (IBPSA) Biennial Building Simulation Conference. “Toward Net-Zero Energy Buildings with Energy-Harvesting Electrochromic Windows,” Aix-le-Bain, France, 26 August 2013. [100]
- Lightfair International 2013. “One-Day Daylighting Fundamentals Workshop”, with Van Den Wymelenberg, K. (University of Idaho), Philadelphia PA, 21 April 2014. [30]
- American Solar Energy Society (ASES) 2013 National Conference. “Combined Solar Power Production and Dynamic Shading with Energy Harvesting Electrochromic Windows (EH-ECWs)” with Amanda Bruot, (UW M.S Design Computing), Baltimore MD, 18 April 2013. [30]
- American Society of Heating Refrigeration, and Air Conditioning Engineers (ASHRAE) 2013 Winter Conference. “Deep Energy Retrofits: Existing Building Renewal Technical Packages”, Dallas TX, 29 January 2013. [60]

- 2012 Building Enclosure Science and Technology (BEST3) Conference of the National Institute for Building Science. “Simulation of Dynamic Daylighting and Glare Control Systems for a Six-Story Net-Zero Office Building in Seattle, WA,” Atlanta GA, 3 April 2012. [250]
- National Science Foundation (NSF) Emerging Frontiers in Research and Innovation (EFRI) Grantees Conference 2012. “Progress on Towards Zero-Energy Buildings Based on Energy-Harvesting Electrochromic Window (EH-ECW) and Thermoelectrics (TE) Systems” with Taya, M. (UW Mechanical Engineering), Arlington VA, 8 March 2012. [150]
- Association of Collegiate Schools of Architecture (ACSA) Annual Conference. “Simulation of Visual Comfort and Energy Performance of Organic Energy Harvesting Electrochromic Windows (EH-ECWs) in Commercial Office Buildings,” Boston MA, 2 March 2012. [25]
- 2011 American Solar Energy Society (ASES) 2011 National Conference. “Automated and Manual Solar Shading and Glare Control: A Design Framework for Meeting Occupant Comfort and Realized Energy Performance,” with Brennan, M. (UW M. Arch Candidate), Raleigh NC, 18 May 2011. [35]
- Lightfair International 2011. “Two-Day Daylighting Fundamentals Workshop”, with Van Den Wymelenberg, K. (University of Idaho), Las Vegas NV, 13-14 May 2011. [25]
- 2010 American Solar Energy Society (ASES) 2010 National Conference. “Dynamic Solar Shading and Glare Control for Human Comfort and Energy Efficiency at UCSD: Integrated Design and Simulation Strategies”, with Breshears, J. (ZGF Architects), Phoenix AZ, 19 May 2010. [35]
- Lightfair International 2010. “Two-Day Daylighting Fundamentals Workshop”, with Van Den Wymelenberg, K. (University of Idaho), Las Vegas NV, 11-12 May 2010. [25]
- High Performance Building Enclosures Sustainability Symposium (BESS). “Quantifying the Dynamic Envelope: Climate Responsive Façade Design for Thermal and Visual Comfort and Energy Performance”, with Breshears, J. (ZGF Architects), California Polytechnic State University, Pomona CA, 1 May 2010. [200]
- 2008 AIA National Convention and Design Exposition. “Integrated Lighting Design” with Loveland, J. (UW Architecture) and Bartholomew, E. (Boston MA, 14 May 2008. *1-day workshop*. [50]

Lightfair International. "Daylight Design, Performance and Commissioning: Challenges for Contemporary Practice", with Vaidya, P. (Weidt Group), Las Vegas NV, 26 May 2008. [75]

2007 Canada Solar Conference. "Case Studies in Daylight Simulation from the University of Washington Integrated Design Lab," University of Calgary, Calgary AB, 13 June 2007. [100]

Canada Solar Conference. "Shaping Light: Daylight and Architectural Form" University of Calgary, Department of Environmental Design, Calgary AB, 13 June 2007. [125]

Lightfair International 2007. "Daylighting Institute Workshop: Advanced Toplighting: Physical and Digital Modeling," with Strandberg, E. (Lighting Design Lab), New York NY, 7 May 2007. [35]

Lightfair International 2007. "Daylighting Institute Workshop: Advanced Sidelighting" with Tantieri, M. (Parsons School of Design), New York NY, 7 May 2007. [45]

2006 Society of Building Science Educators (SBSE) Annual Retreat. "Evolving the Culture of Light for Energy: A Model for Impacting Design Practice," Pingree Park CO, 17 July 2006. [50]

2005 Puget Sound Chapter Construction Specifications Institute Annual Conference. "Case Studies from Seattle's UW Daylighting Lab," Tacoma WA, 19 May 2005. [40]

AIA Northwest Regional/AIA Seattle, Conference 2005, *Knowledge by Design* "Architecture in the Best Light," Seattle WA, 5 August 2005. [50]

2. Invited Presentations, Panels, and Design Reviews [Estimated Participants]

2020 Smart Buildings Center. "Mythbusters Event: Dispelling the Biggest Myths About LLCs," with Wollgamott, C. and Pilant, A., Portland OR (Webinar due to COVID-19), 21 May 2020 [96]

AIA Seattle, Action Now: Accelerating Pathways to Decarbonization. "Retrofitting: What About Existing Building Stock?" Marseilles, T. (Integral Group), Mallory, S. (City of Seattle), Satzberg, E., Washington State Department of Commerce), Selig, J. (Martin Selig Real Estate). Panelist. Seattle WA (Webinar due to COVID-19), 21 April 2020 [205]

2019 Southern California NSF Workshop on Architectural Faculty in Environmental Sustainability Research (WAFES), "Research and Practice: The Center for

Integrated Design,” University of Southern California, Los Angeles CA, 9 December 2019. [35]

NBBJ: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, April 24, 2019. [30]

MG2: “Current Research, Technical Assistance, and Education and Outreach Activities at the UW IDL.” Seattle, WA, April 18, 2019. [40]

Olson Kundig: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, April 15, 2019. [45]

ZGF: “Current Healthcare Research and More,” Seattle WA, March 28, 2019. [30]

Mithun: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, March 15, 2019. [15]

Bohlin Cywinski Jackson: “Current Research, Technical Assistance, and Education and Outreach Activities at the UW IDL.” Seattle WA, March 14, 2019. [25]

Mahlum: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, February 8, 2019. [15]

2018 Building Owners and Managers Association (BOMA), “The Business Case for Improving your Building’s Performance,” with Hatten, M. (Solarc Energy Group), Bellevue WA, 24 October 2018. [30]

Northwest Energy Efficiency Council (NEEC), “The Business Case for Building Tune-Ups, Benchmarking, and the Role of Emerging Technology,” with Hatten, M. (Solarc Energy Group), Seattle WA, 23 October 2018. [50]

AIA Collaborative Research Summit. “Finding the Rosetta Stone: A Translational Tool for Research-Informed Practice,” Minneapolis MN, 26 July 2018. [150]

Perkins + Will: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, December 17, 2018. [35]

NAC: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, December 13, 2018. [30]

Weinstein A+U: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, November 28, 2018. [20]

Miller Hull Partnership: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, November 16, 2018. [30]

Miller Hayashi: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, November 1, 2018. [10]

SHKS: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, November 1, 2018. [15]

Bassetti Architects: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, October 25, 2018. [20]

Weber Thompson: “Rosetta Stone: A Translational Tool for Research Informed Practice.” Roll-out of beta-testing phase of UW IDL Partnership’s collective research project. Seattle WA, October 16, 2018. [25]

AIA Seattle Board Meeting: “Integrated Design Lab: New Directions in Research-Informed Practice,” Seattle WA May 17, 2018. [15]

American Institute of Architects Sustainability Working Group Meeting, “Technical Implementation of an Energy Design Award Calculator and Program Delivery,” with Anne Schopf and Tim Ritchey via Webinar, 12 February 2018. [40]

Integrated Design: Tools and Methods, “Designing for the Perimeter Zone,” with Hatten, M. (Solarc Energy Group), Burpee, H. (UW Architecture) and Glazer, D. (Light Stanza). Smart Buildings Center, Seattle WA, 1 February 2018. [45]

2017 U.S. Department of Energy Better Buildings Summit. “Advanced Strategies for Plug-Load Management and Tenant Engagement: Lessons from the Bullitt Center,” Invited Lecture and Panel Discussion, Washington DC, 16 May 2017. [65]

Integrated Design: Tools and Methods. “Daylighting and Integrated Electric Lighting,” with Darragh, S. (Lighting Design Lab), Gilbride, M. (UW Architecture), Smart Buildings Center, Seattle WA, 28 September 2017. [45]

Architecture 2030 China: Zero Net Carbon Forum. “Daylighting and Integrated Electric Lighting: Strategies for Design; Invited plenary lecture and panel discussion,” Tongji University, Shanghai, China, 21 September 2017. [250]

Integrated Design: Tools and Methods, “A Critical Path for Integrated Design.” with Hatten, M. (Solarc Energy Group), Burpee, H. (UW Architecture). Smart Buildings Center, Seattle WA, 3 August 2017. [45]

“Introducing the Partnership Initiative,” with Heather Burpee (UW Architecture), Brad Valtman (UW M. Arch. student), and Tina Dilegge (UW Integrated Design Lab), Center for Integrated Design, Seattle WA, 27 July 2017 [15]

Building Tune-Up Accelerator Program of the City of Seattle Office of Sustainability and Environment (OSE), “Building Renewal: A Roadmap to Deeper Savings,” Seattle WA, 16 June 2017. [100]

Perkins+Will. “Projects of the Center for Integrated Design,” Seattle WA, 14 May 2017. [15]

ZGF Architects. “Advanced Strategies for Dynamic Shading in Hot Climates,” Portland OR, 16 March 2017. [15]

2016 Committee of 33 (Arts Organization). “The Aesthetics of Light and Buildings,” Featured speaker at private event. Seattle WA, 21 November 2016. [40]

Seattle City Light Customer Energy Solution Whole Building Energy Program Update, “Metered Energy Efficiency Transaction Structure (MEETS)- Panel Discussion (Tenant Perspective,)” Seattle WA, 25 October 2016. [50]

National Science Foundation IUCRC, Sustainable Integrated Buildings and Sites (SIBS) Designing for the Occupant Workshop, “Occupant Engagement: Strategies from the Bullitt Center,” Invited lecture and panel discussion.. Washington D.C., 12-13 September 2016. [50]

Washington State University Energy Extension Energy Facilities Connection 12th Annual Conference, “Going Deep with Plug-Loads: Strategies from High Performance Buildings,” Leavenworth WA, 4 May 2016. [45]

Tsinghua University, Department of Architecture, Building Energy Research Center (BERC). “Research into Practice: Tools and Methods of the Center for Integrated Design” Integrated Design Lab,” Beijing, China, 18 April 2016. [25]

UW Lifelong Learning Program “Bullitt Center: The World’s Most Sustainable Building”, Seattle WA, 9 February 2016. [20]

Materials Matter (AIA Pilot Educational Program). “Just Do it! Strategies for Projects,” Seattle WA, 13 January 2017. Moderator and panel discussion chair. [115]

2015 Building Energy Exchange (BEeX), “Integrated Daylight at the Bullitt Center”; New York NY, 5 May 2015. [45]

National Science Foundation EFRI-SEED Grantees meeting “Perspectives on being the Architect co-Principal Investigator on an EFRI-SEED Grant, Presentation and panel discussion. San Francisco CA, 10 April 2015 [40]

Illuminating Engineering Society of North America San Francisco Chapter; “On Daylighting,” San Francisco, 8 April 2015 [65]

Illuminating Engineering Society of North America (IESNA) Roadshow “Emerging Daylighting Metrics: Case Studies and Application,” Anchorage Alaska, 19 March 2015. [45]

Next Course Dinner. “Building the Next Generation of Innovators in Sustainable Design and Constructions,” Featured speaker for private event for the University of Washington Foundation, Seattle WA. 21 May 2015. [20]

2014 Illuminating Engineering Society of North America (IESNA) Roadshow “Emerging Daylighting Metrics: Case Studies and Application,” Honolulu HI, 24 June 2014. [50]

Illuminating Engineering Society of North America (IESNA) Roadshow “Emerging Daylighting Metrics: Case Studies and Application,” Los Angeles CA, 20 May 2014. [55]

Illuminating Engineering Society of North America (IESNA) Roadshow “Emerging Daylighting Metrics: Case Studies and Application,” Santa Barbara, CA, 20 May 2014. [25]

University of British Columbia, “Case Studies and Simulation Methods from the Integrated Design Lab.” Presentation and design studio juror, Vancouver BC, 13 March 2014. [35]

Cornish College of the Arts, “Lighting and Integrated Design,” Seattle WA, 24 March 2014. [30]

Illuminating Engineering Society of North America (IESNA) Roadshow
“Emerging Daylighting Metrics: Case Studies and Application,” Reno NV, 8
January 2014. [30]

2013 Illuminating Engineering Society of North America (IESNA) Roadshow
“Emerging Daylighting Metrics: Case Studies and Application,” San Diego CA,
18 December 2013. [45]

PG&E Pacific Energy Center. “Dynamic Lighting and Controls and Electric
Lighting Simulation Fundamentals Workshop,” with Halley Fitzpatrick, ARUP
Lighting, San Francisco CA, 17 October, 2013. [40]

PG&E Pacific Energy Center. “Daylighting and Integrated Electric Lighting”
Energy Efficient Lighting Series with Hayden McKay, San Francisco CA, May
2013 [45]

American Institute of Architects Albuquerque, NM Chapter. “AIA+2030 Series:
Integrated Design Case Studies,” Presentation and panel discussion, Albuquerque
NM, 8 March 2013. [100]

2012 Alaska Chapter American Institute of Architects Annual Conference. “Light and
Dark,” Fairbanks Alaska, 3 February 2012. [150]

Kinestral Technologies Inc. “Simulation Methods and Performance Metrics for
Visual Comfort and Energy Performance of Organic Energy Harvesting
Electrochromic Windows (EH-ECWs) and Dynamic Façade Systems,” Palo Alto
CA, 11 May 2012. [15]

American Institute of Architects Boise Chapter. “AIA+2030 Series: Illuminating
Savings: Daylighting and Integrated Lighting Strategies,” Boise ID, 3 February
2012. [25]

American Institute of Architects and UNC Charlotte School of Architecture.
“AIA+2030 Series: Illuminating Savings: Daylighting and Integrated Lighting
Strategies,” Charlotte NC, 16 February 2012. [45]

2011 Harvard Graduate School of Design. “A Daylighting Pattern Guide: Development
of a Visual Vocabulary for Design,” Boston MA, 10 March 2011. [35]

Cascadia GBC/Living Building Institute. “Cascadia Center for Sustainable Design
of a Net-Zero Energy Office Building Design for the Bullitt Foundation”, with
Rob Pena, Vancouver BC, 17 February, 2011. [125]

Tec de Monterrey and Universidad de Guadalajara Department of Architecture.
“Climate Responsive Design: Simulation and Schematic Design,” Invited lecture
and 1-day workshop. Guadalajara, Jalisco, Mexico, 18 January 2011. [250/30]

- 2010 American Institute of Architects Southwest Washington Chapter. “Illuminating Savings: Daylighting and Integrated Lighting Strategies,” Tacoma WA, 15 June 2010. [30]
- UW Design Machine Group (DMG) Lab Lunch Design Computing Colloquium. “Dynamic Façade Modeling Tools for Energy Performance and Daylighting,” Seattle WA, 19 May 2010. [10]
- Advanced Lighting Design, Art Institute of Seattle. (Invited by Instr. David Brueggeman), “Lecture: Daylighting Design: Integration of Interiors, Systems and Furniture,” Seattle WA, 14 February 2010. [20]
- Department of Planning and Development, “Building Morphology and Passive Design and Energy Efficiency Strategies: Implications of Massing, Fenestration, and Open Space,” Seattle WA, 10 February 2010. [20]
- AIA Seattle Advanced Façade Design Symposium. Panelist. Seattle WA, January 2011. [40]
- 2009 City of Seattle Design Review Board (DRB)- All-Board Meeting, “Building Morphology and Passive Design and Energy Efficiency Strategies: Implications of Massing, Fenestration, and Open Space,” Seattle WA, 3 December 2009. [15]
- American Institute of Architects Seattle Chapter. “AIA+2030 Series: Illuminating Savings: Daylighting and Integrated Lighting Strategies,” Seattle WA, 13 November 2009. [120]
- City of Seattle Department of Planning and Development. “Daylighting Design and Thermal and Energy Implications for Large Office Buildings and Multi-Family Towers”, with Marseilles, T. (Stantec), Seattle WA, 9 October 2009. [100]
- American Institute of Architects Northwest Washington Chapter. “Light Transformation: The Daylighting Work of the UW Integrated Design Lab,” Bellingham WA, 9 July 2009. [50]
- Parsons the New School for Design. Invited panel discussion and studio jury, New York NY, 4 May 2009. [45]
- University of Idaho College of Art and Architecture, Integrated Design Lab. “Daylighting Design and Simulation: Practice and Projects,” Boise ID. [30]
- American Institute of Architects Portland Chapter. “Shaping Architecture: Daylighting Design and Simulation,” 3-hour workshop, Portland OR, 3 April 2009. [30]

ZGF Architects, “Design Strategies for Dynamic Daylighting Systems”,
Facilitated One-Day Design Charrette, Portland, OR, 15 February 2009. [20]

Zero Waste Alliance. “Introduction to Daylighting and Integrated Design”, Half-
Day Workshop, Portland OR, 16 January 2009. [50]

Bassetti Architects. “Daylighting and High Performance School Design,” Seattle
WA, 8 January 2009. [20]

2008 USGBC Cascadia Chapter, “Daylighting Metrics, Design, and Modeling,”
Portland, OR, 26 April 2008. [20]

International Association of Lighting Designers Seattle Chapter, Annual Meeting.
“Navigating LEED with Light” with Edward Bartholomew, Seattle, WA, 28
March 2008. [30]

Horton Lees Brogden Lighting Design Annual Retreat. “Daylighting Design,
Simulation, and Analysis at the Integrated Design Lab Seattle,” Seattle WA, 15
March 2008. [25]

2007 Illuminating Engineering Society of North America Portland Chapter Meeting.
“Advanced Daylighting Strategies,” Portland, OR, 2 June 2007. [45]

Art Institute of Seattle, “Daylighting Design: Integration of Interiors, Systems and
Furniture”, 30 April 2007 [25]

Architectural Institute of British Columbia (AIBC) Annual Conference. “Light
Re-Construction: Case Studies in Daylight Simulation,” with Joel Loveland (UW
Architecture), Vancouver BC, 26 April 2007 [125]

2006 BetterBricks High-Performance Building Design Lecture Series. “Daylight
Design: High Performance Offices,” Seattle WA, 14 November 2006. [25]

Seattle City Light Industrial Design Forum. “Best Practices: Daylighting and
Integrated Electric Lighting for Industrial Spaces,” Seattle WA, 19 October 2006.
[35]

BetterBricks High-Performance Building Design Lecture Series. “Daylight
Design: High Performance Hospitals,” Seattle WA, 10 October 2006. [25]

BetterBricks High-Performance Building Design Lecture Series: “Daylight
Design: High Performance Schools,” Seattle WA, 12 September 2006. [35]

Council of Education Facility Planners International (CEFPI) Annual Conference.
“Daylight and Integrated Design in Pacific Northwest Schools” with Srdar, B.

(NAC Architecture) and Boettcher, B. (Hargis Engineering), and Kincade, K. (Cascade Design Collaborative), Tacoma WA, 9 May 2006. [150]

2005 Betterbricks Controls Curriculum, "Daylighting Design for Integrated Lighting Controls" with Lane, M. (Lighting Design Lab), Portland OR, 26 November 2005. [50]

Lighting Design Lab Lecture Series. "Daylighting Design for Integrated Lighting Controls" with Strandberg, E. Seattle WA 19 November 2005. [45]

3. Panels Led

2019 AIA Conference on Architecture 2019, "Discovering the Rosetta Stone: Translating Research for Design Decision-Making" Burpee, H. (UW Architecture), Heerwagen, J. (US General Services Administration), Harrell, M. (Weber+Thompson), Schopf, A. (Mahlum Architects), Session Organizer. Las Vegas NV, 7 June 2019. [125]

Façade Tectonics Forum 2019, "Façade Effects: Building Zero Carbon from Cascadia to Piedmont," with David Mead, Margaret Sprug, and Jim Hanford. 16 July 2019 [125]

Façade Tectonics Forum 2019, "Spheres of Influence People and Plants Cohabitate in Amazon's Seattle Spheres," with David Sadinsky and Charles Gronek, 16 July 2019 [125]

2018 Conference on Advanced Building Skins. "Dynamic Glazing for Sustainable Building Skins," Session Chair. Bern, Switzerland, 2 October 2018. [150]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated, Organized, and Presented in Session: Series Three, Technical Analysis of High-Performance Buildings; Session Three, Water Efficiency. With C. Gronek (WSP Group) and T. Marseille (WSP Group). February 22, 2018. [40]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated, Organized, and Presented in Session: Series Three, Technical Analysis of High-Performance Buildings; Session Two, Designing for the Perimeter Zone. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group). February 1, 2018. [40]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated, Organized, and Presented in Session: Series Three, Technical Analysis of High-Performance Buildings; Session One, Energy Modeling in the Design Process. With H. Burpee (UW

Architecture) and M. Hatten (Solarc Energy Group). Seattle WA, January 11, 2018. [40]

2017 Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated, Organized, and Presented in Session: Series Two, Introduction to Integrated, High Performance Design; Session Four, Passive Systems and Renewables. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group). Seattle WA, October 12, 2017. [40]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated and Organized Session: Series Two, Introduction to Integrated, High Performance Design; Session Three, Daylighting and Integrated Lighting Design. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group), S. Darragh (LDL). Seattle WA, September 28, 2017. [40]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated and Organized Session: Series Two, Introduction to Integrated, High Performance Design; Session Two, Energy Modeling to Support Integrated Design. With M. Hatten (Solarc Energy Group). Seattle WA, August 31, 2017. [40]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated, Organized, and Presented in Session: Series Two, Introduction to Integrated, High Performance Design; Session One, A Critical Path for Integrated Design. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group). Seattle WA, August 3, 2017. [40]

University of Washington, Center for Integrated Design, "Partnership Initiative Introduction." With H. Burpee (UW Architecture), T. Dilege (UW IDL), and B. Valtman (M.Arch. Candidate). Seattle WA, July 27, 2017. [12 participants from invited Seattle design firms]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated and Organized Session: Series One, Internal Support for Energy Model Review and Customer Engagement; Session Four, Tools and Resources for Communicating Successfully to Customers. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group), CJ Brockway (SparkLab). Seattle WA, July 6, 2017. [40]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated and Organized Session: Series One, Internal Support for Energy Model Review and Customer Engagement; Session Three, Forum for Engaging Seattle City Light, Seattle Department of

Construction and Inspections, and External Stakeholders and Customers. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group), M. Heater (Ecotope), D. Luddy (ArchEcology), L. Adan (Urban Visions), B. Morgan (Vulcan). Seattle WA, June 22, 2017. [25]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated and Organized Session: Series One, Internal Support for Energy Model Review and Customer Engagement; Session Two, Enhancing Use of Energy Modeling to Deliver Energy Savings. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group). Seattle WA, June 1, 2017. [25]

Integrated Design Lab & Seattle City Light, Professional Education Series: "Tools and Methods for Energy Efficiency," Moderated and Organized Session: Series One, Internal Support for Energy Model Review and Customer Engagement; Session One, Model Review for Code Compliance. With H. Burpee (UW Architecture) and M. Hatten (Solarc Energy Group). Seattle WA, April 27, 2017. [25]

University of Washington, Center for Integrated Design, "Partnership Initiative Brainstorming Event." With Burpee, H. (UW Architecture). Seattle WA, February 7, 2017. [20 participants from invited Seattle design firms]

Materials Matter (AIA Pilot Educational Program). Moderator and Discussion Chair: "Just Do it! Strategies for Projects," Seattle WA, 13 January 2017. [110]

2014 American Institute of Architects, Getting to Zero Professional Education Series. "Market Realities: The Value Proposition for Net-Zero Energy Buildings," Led curriculum development, organized program, and moderated session. Panel: Loveland, J. (UW Architecture), Frankel, M. (New Buildings Institute), McCabe, M. (Hayden Tanner), Johnston, R. (Johnston Architects), Seattle WA. 7 October 2014. [125]

32nd Meeting of the West Coast Energy Management Congress "High Performance Buildings: Let's Build This Together with Integrated Design." Session chair and moderator Bellevue WA, 26 June 2014. [50]

2013 Passive Architecture Conference of the American Solar Energy Society (ASES). Session Chairperson, Daylighting and Building Automation Track. Baltimore MD; 19 April 2013 [75]

2013 What Makes it Green? High Performance Building Awards and Educational Program. AIA Seattle. Seattle WA. Program Co-Chair. [125]

II D. CREATIVE PRACTICE

1. Technical Assistance and Consulting Projects (Selected)

Note: Selected from over 700 daylighting and integrated energy design projects as Director of the Center for Integrated Design (2015), Integrated Design Lab Co-Director and Daylighting Studio Lead (2006), and as part of the Seattle Daylighting Lab (2000).

- 2020 Ohana House – Montage Health, Monterey, CA, *NBBJ Architects (Los Angeles, Office)(In Progress)*
HEB Arsenal Campus, San Antonio, TX, *Lake Flato Architects (In Progress)*
B600 Tower, Bellevue, WA, *NBBJ Architects and McKinstry (In Progress)*
Westland Distillery, Skagit Valley, WA, *Upward Architecture and T. Stern Sustainability (In Progress)*
University of Washington Health Science Education Building (HSEB), Seattle, WA *The Miller Hull Partnership (In Progress)*
- 2019 UCSD Design Innovation Building, San Diego, CA, *EHDD Architecture*
Ballard Food Bank, Seattle, WA, *Graham Baba, Architects (In Progress)*
University Temple United Methodist Church, Seattle, WA, *Weinstein A/U*
ASHRAE New Headquarters Building Proposal, Atlanta, GA, *Lake Flato Architects*
Mosier Fire Station and Civic Center, Mosier, WA, *McKinstry and Minarik Architecture (Net Zero Energy) (In Progress)*
Eastern Washington Catalyst Building, Spokane, WA, *McKinstry (Net-Zero Carbon)*
Adlai Stevenson Hall, Sonoma, CA, *EHDD Architecture (In Progress)*
- 2018 Sonoma Clean Power Headquarters (Net-Zero Energy), Santa Rosa, CA, *EHDD Architecture (Net Zero Energy) (In Progress)*
Lakedale Resort, Friday Harbor, WA, *HKP Architects*
Stevens Middle School, Coleville, WA, *MMEC Architects*
Stanislaus Library Renovation, *EHDD Architecture (In Progress)*
University of California Davis Teaching and Learning Center, *EHDD Architecture (In Progress)*
Edmonds Waterfront Center, Edmonds, WA, *Environmental Works*
PCC Community Markets Burien, WA, *MG2 Architects (LEED Gold)*
First and Pike Zoning Prototype Shadow Study, Seattle, WA *Unfunded IDL R&D*
- 2017 Undisclosed Technology Company Headquarters, Santa Monica, CA, *Lake Flato Architects*
St. Edwards Hotel Development, Kirkland, WA, *Sundberg Kennedy Li-Au Young Architects*
Undisclosed Project at N-Gate SEA-TAC Airport, Sea-tac, WA, *Graham Baba Architects*
University of Washington Population Health Facility, Seattle, WA *The Miller Hull Partnership (LEED Gold)*

Google South Lake Union, *Seattle WA, Mithun*
Pioneer Square Occidental Park Solar Study, Seattle, W, *Unico Properties*
Annie Wright School Middle School and Athletic Building, Tacoma, WA, *Mithun*
Sobrato Campus for Discovery and Innovation, Santa Clara University, Santa Clara, CA, *ZGF Architects*
Georgia Tech Living Building, Atlanta, GA, *The Miller Hull Partnership (Living Building Certified)*
Presidio Tunnel Tops Youth Campus, San Francisco, CA, *EHDD Architecture*

2016 333 Dexter Ave., Seattle, WA, *The Miller Hull Partnership*
Burke Museum: Curatorial and A/V Evaluation, Seattle, WA, *University of Washington*
Bo Bartlett Center, Columbus, GA, *Olson Kundig*
Undisclosed High-Rise Residential Project, *Perkins+Will*
UW Life Sciences Building, *Perkins+Will (LEED Gold)*
Rowland Hall Middle School, Salt Lake City, UT, *EHDD, Architecture*
Pacific Northwest Ballet Francia Russell Center, Bellevue, WA, *Mithun*
Anacortes High School, Anacortes, WA, *Huttenlocher and Oremus*
Lick Wilmerding Vocational High School, San Francisco, CA, *EHDD Architecture (ENR Best Project Award)*

2015 Orcas Island Library, Eastsound, WA, *HKP Architects*
Louisiana Children's Museum, New Orleans, LA, *Mithun*
EVOLution Projects, Seattle, WA, *Robert Hutchison Architects*
Capitol Mall Skylight Renovation, Olympia, WA, *SHKS Architects*
Augusta Mall, Augusta, GA, *CPI Daylighting*
Bancroft Elementary School, Washington, D.C., *Ayers Saint Gross*
Eastern Washington University PUB Building, Cheney, WA, *Perkins+Will*
Undisclosed Residential Development, Seattle, WA., *Perkins+Will*
Seymour Conservatory, Tacoma, WA, *SHKS Architects*
Mente Hangar, Seattle, WA, *Rohleder Borges*
Museum of Flight AirPark, Seattle, WA, *SRG Partnership*

2014 Mark Day School, San Rafael, CA, *EHDD Architecture*
Pacific Tower (former Amazon HQ), Seattle, WA, *Innovate Washington*
Burke Museum, Seattle, WA, *Olson Kundig*
Google Offices, Kirkland, WA, *DLR Group*
Camana Block 5 Offices, Georgetown, Cayman Islands, *Lake Flato Architects*
Rowland Hall Athletic Facility, Salt Lake City, UT, *EHDD Architecture*
West Side School, Seattle, WA, *Sundberg Kennedy Ly-Au Young Architects*
Bellevue First Congregational Church, Bellevue, WA, *Atelier Jones*
Kingsgate Library, Kirkland, WA, *Sundberg Kennedy Ly-Au Young Architects*

2013 The Perot Family Offices, Dallas, TX, *Mithun*
Lincoln Square Expansion, Bellevue, WA, *Puget Sound Energy*
Net-Zero Energy Private School, Bellevue, WA, *Becker Architects*

- Lloyd 700, Portland, OR (*As Part of NEEA's Existing Building Renewal Initiative*)
 An Undisclosed High-Rise in Downtown Seattle, WA, (*As Part of NEEA's Existing Building Renewal Initiative*)
- 2012 Pomona College, Milliken Astrophysics Laboratory, *EHDD Architecture*
 Georgia Tech Engineered Bio-Systems Building, Atlanta, GA, *Lake Flato Architects*
 The Standard Insurance Building, Portland, OR, (*As Part of NEEA's Existing Building Renewal Initiative*)
 Aiea Library, Oahu, HI, *Fermata*
 Austin, TX Central Library, Austin, TX, *Lake Flato Architects (In Progress)*
 Chatham University Eco-Center, Philadelphia, PA, *Mithun*
 Northwest School Gymnasium, Seattle, WA, *Mithun*
 UCSD Altman Clinical and Translational Research Institute, *ZGF Architects*
- 2011 UCSD Health Sciences Biomedical Research Facility 2, La Jolla, CA, *ZGF Architects*
 The Bullitt Center, Seattle, WA, *Miller Hull Partnership*
 UW Mercer Hall, Seattle, WA, *Fielden Clegg/Ankrom Moisan*
 Project for Google, Inc., Mountain View, CA, *Mithun*
 South Puget Sound Community College, Olympia, WA, *SRG Partnership*
 Valley Medical Center ED and Treatment, Auburn, WA, *NBBJ*
 South Seattle Transfer Station, Seattle, WA, *The Miller Hull Partnership*
 Goodwill Industries Headquarters, Seattle, WA, *Mithun*
 Factoria Transfer Station, Factoria, WA, *JRMA Architects (Los Angeles)/HDR Engineering (In Progress)*
- 2010 Guadalajara Museum of Contemporary Art: Large Exhibition Space 9",
 Guadalajara, MX, *Herzog and DeMeuron/Light Team Gustavo Aviles, Mexico, D.F.*
 UCSD Health Sciences Biomedical Research Facility 2, *ZGF Architects*
 South Puget Sound Community College, *SRG Partnership*
 Valley Medical Center ED and Treatment, Auburn, WA, *NBBJ*
 Everett Community College Index Health Careers Building", *SRG Partnership*
 Museum of Flight – Space Shuttle Exhibit Hall, *SRG Partnership*
- 2009 UW Transportation Office (UPASS) Building, *Rolluda Architects*
 Edmonds School District Administrative Office Building, *Arai Jackson*
 Pierce Co. Solid Waste Transfer Station, *JRMA Architects (Los Angeles Office)*
 Tacoma Public Utilities South Service Center, *TCF Architecture*
 The International School, Mumbai, India, *Mithun*
 Hood River Middle School, *OPSIS Architecture*
 Kenmore Library, Kenmore, WA, *Weinstein A|U*
- 2008 UW Molecular Engineering Building, *ZGF Architects*

Starbucks Sites World-Wide, *Starbucks Global Design*
 Whidbey Island NAS Hangars, *Patano-Haferman Architects*
 Seattle University A + A Building, *James Carey Architects*
 Center for Urban Waters, *Perkins+Will (2010 AIA Seattle What Makes It Green)*
 Finn Hill Middle School, *Mahlum Architects*
 Greenland Luwan Office Tower, Shanghai, PRC, *Callison Architecture*
 Nathan Hale High School Renovation,, *Mahlum*
 Costco Stores (Nationwide), *Mulvaney G2*
 Sammamish Library, *Perkins+Will*
 Jewish Family Services Office Addition, *Weinstein A|U*
 1st United Methodist Church of Seattle Sanctuary, *Bassetti Architects*
 Daylighting Metrics, *Heschong Mahone Group/IESNA*
 Kenmore City Hall, *Weinstein A|U*
 Microsoft SafeCo Campus Expansion, *ZGF Architects*

2007 University of Michigan School of Architecture Addition, *Miller Hull Partnership*
 SEA-TAC Rental Car Facility, *Callison*
 PEAK Teen Center, *Weinstein A|U*
 Bow Lake Transfer Station, *KPG Architects*
 Kootenai Medical Center, *Mithun*
 Private Aircraft Museum, Everett, WA, *Owen Richards Architects*
 San Francisco Public Utilities Commission Office Building, *Pivotal Lighting*
 People's Bank, Bellingham, WA, *RMC Architects*
 Pratt and Whitney Building "D" Conversion, *S/L/A/M Collaborative*
 University of Washington Medical Center South Tower, *NBBJ*
 PSE Factoria Service Center, *Magellan Architects (LEED)*
 Hillsboro Elementary Schools (#24, 25, 26), *Mahlum*
 Riverwoods (KY) Environmental Learning Center, *Mithun*
 Bellingham Children's Museum, *Olson Sundberg Kundig Allen (LEED)*
 UBCO Engineering Building, *Bunting Coady Architects*
 Rainier Vista Teen Center, *Weinstein A|U (LEED)*
 University of Washington Savery Hall Renovation, *SRG Architects (LEED)*
 Brightwater Interpretive Center Hall, *Mithun*
 Massachusetts General Hospital, *NBBJ New York Office/NBBJ Lighting*
 Columbia Springs Environmental Center, *Miller Hull Partnership (LEED)*
 Issaquah High School, *Mahlum*
 Pearl River Tower, Shanghai, *SOM Chicago and Pivotal Lighting*

2006 Center for Interactive Research on Sustainability (CIRS), *Busby Perkins+Will*
 Seahawks Indoor Practice Field (IPF), *Crawford Architects / Flack+Kurtz*
 Muckelshoot Tribal School, *Mahlum*
 Jewish Day School, *Carlson Architects*
 Wildhorse Interpretive Center, *Schacht Aslani*
 UBC Museum of Anthropology, *Stantec Architecture / Arthur Erickson*
 Tulalip Tribes Office Building, *Mithun*
 Bellevue Community College Science Building, *Miller Hull Partnership*

Puyallup City Hall, *Mithun (LEED)*
 Boeing 787 Assembly Facility, *NBBJ*
 UW Educational Outreach Building, *Perkins+Will / Stantec Seattle*
 PCC Grocery Store, Redmond, WA, *Velocipede Architects (LEED Gold)*
 Barn Beach Environmental Center, *Bassetti*
 Peninsula College Library, *Schact Aslani*
 Fire Station No. 10, Seattle, WA, *Weinstein A|U (LEED Silver)*
 Town and Country Grocery Store, Poulsbo, WA, *Priscilla Zimmerman Architects*
 Schreiber Lake School, *Mahlum*
 Tacoma Community College Child Care, *McGranahan Architects*
 Novelty Hill Winery, *Mithun (2007 AIA National Award- Interiors)*

2005 Starbucks Free Standing Building (FSB) Prototype, *Starbucks Global Design (LEED)*
 Greenlab- South Lake Union Proposal, *Perkins+Will*
 Northeast Transfer Station, *KPG / Paladino and Co. (AIA What Makes It Green Award 2008)*
 Boise State University Student Services Building, *Miller Hull Partnership*
 Lynnwood High School, *Bassetti*
 Chinese Information Services Center, *Environmental Works*
 Carlton Winemaker's Studio, *Boxwood (AIA Seattle Award 2007)*
 Lau Highlands Community Resource Center, *Environmental Works (AIA Seattle Award 2007)*
 WECU Bank Branch and Offices, *Zervas Group / Be Green Consulting (LEED Gold)*
 North Cascades Environmental learning Center, *Henry Klein Partnership (AIA Seattle Award 2007) (LEED Silver)*
 Belltown Lofts, *Mithun*

2004 Whitman College Athletic Center, *Weinstein A|U (AIA Seattle Award 2007)*
 Walter Clore Wine and Culinary Center, *Boxwood*
 Terry Avenue Office Building, *Weber+Thompson (LEED Gold) (AIA What Makes It Green Award 2008)(AIA COTE Top Ten Green Projects)*
 Jackson Hole Visitor's Center, *Ensar Group*
 Woodland Park "Zoomazium", *Mithun (AIA Seattle Award 2007)*
 SNOPUD Water Building, *Miller Hull Partnership*
 Missoula Federal Credit Union, *MMW Architects*
 Olympic Educational Service District Offices, *Cornerstone Architects*
 White Pines Charter School, *Mahlum*
 Hanford High School, *Integrus*
 Aleutian Spray Fisheries Offices, *Clark Design Group*
 Lincoln Heights Elementary School (Spokane), *Integrus (Funded as part of the Washington Sustainable Schools (WSSP) Pilot Program)*
 Tacoma Power Shops Building, *BCRA / Tacoma Power (LEED)*
 Vancouver Eco- "Big Box" Retail Prototype, *Peter Busby Architects*
 Bellingham Technical College Auto Shop, *Henry Klein Partnership*

Bellevue City Hall, *SRG Partnership*

2003

Southwest Branch Library, *Olson Sundberg Kundig Allen*
West Seattle Community Center, *Weinstein A|U*
Cottage Lake Elementary School, *Bassetti*
US DOE Childcare Facility Richmond, WA, *Environmental Works*
St. Vincent's Hospital Neo-Natal Care, *CTA Architects*
Seattle Country Day School, *Carlson Architects*
Federal Way Head Start, *ARC Architects*
Cascade One (Alley 24), *NBBJ (AIA Seattle Award 2007)(LEED Silver)*
Southwest Seattle Community Center Addition, *Weinstein A|U, (AIA Seattle Award 2007)*
Neighborhood House, *Environmental Works*
Wilson High School Replacement, *NAC Architecture (AIA Seattle Award 2007)*
Cascade Community Center, *Jones and Jones*
Bertschi School Addition, *Miller Hull Partnership (LEED)*
St. Charles Medical Center, *Callison (AIA Seattle Award 2007)*
Rosewood Specialty Care, *LRS Architects*
Lake Hills Elementary School, *NAC Architecture (AIA Seattle Award 2007)*
Golden Gardens Bathhouse Renovation, *BOLA Architecture*
Carkeek Park Environmental Center, *Selkirk Miller Hayashi (LEED Gold)*
City of Seattle Joint Training Facility, *Boxwood (LEED Silver)*
Teton Science School, *Mithun (LEED Gold) (AIA Seattle Award 2007)*
Benjamin Franklin Elementary School, *Mahlum (2006 AIA National Top-10 Green Buildings Award) (AIA Seattle Award 2006)*

2002

Douglas Border Crossing, *Bunting Coady Architects (LEED Gold)*
Boeing 737 and 757 Assembly, *NBBJ (AIA Award 2005)*
Kitsap County Administration Building, *Miller Hull Partnership (AIA Seattle Award 2007)*
Yesler Community Center, *Mithun (LEED Gold) (AIA Seattle Award 2007)*
Albertson's Grocery Prototype, *Albertson's Corp.*
EX3 Ron Sandwith Teen Center, *Weinstein A|U (AIA Seattle Award 2007)*
Heritage Mountain School, *KMBR Architects*
Northwest Maritime Museum, *Miller Hull Partnership*
Bozeman Public Library, *Overland Partners*
The Evergreen State College Campus Children's Center, *Environmental Works (AIA Seattle Award 2007)*
UW Bioengineering Building, *Anshen+Allen*
Montlake Library, *Weinstein A|U*
Kitsap VA Hospital, *NBBJ*
Seminar 2 Building, The Evergreen State College (*Mahlum AIA Seattle Award 2005*)
Brotman Residence, *Olson Sundberg Kundig Allen*

University of British Columbia (UBC) Life Sciences Centre, *Bunting Coady Architects (Illuminating Engineering Society (IESNA) Energy and Environmental Design Award 2005)*

Portland Community College Sylvania Technology Center, *OPSIS Architecture*

Martin Luther King Childcare Center, *Environmental Works*

Ballard Library, *Bohlin Cywinski Jackson (AIA Seattle Award 2006)*

Greenwood Library, *Buffalo Architects*

Beacon Hill Library, *Carlson Architects (AIA Seattle Award 2006)*

Northgate Library, *Miller Hull Partnership*

2. National Awards for Technical Assistance Projects (Selected)

Note: Selected from over 250 AIA, IES, IALD, CEFPI, USGBC, and other awards to the design team for technical consulting projects where the award mentions the quality of light and/or energy design innovation.

2020 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Austin Central Library, Austin TX. Lake Flato Architects. (Supporting role as daylighting consultant)

Society for College and University Planning (SCUP) National Honor Award. University of California Santa Cruz Coastal Biology Building. EHDD Architecture. (Supporting role as daylighting consultant)

AIA/American Library Association (ALA) Building Award. Austin Central Library, Austin TX. Lake Flato Architects. (Supporting role as daylighting consultant)

2019 Engineering News Record (ENR) Best Project. Lick-Wilmerding High School Campus Expansion and Renovation, San Francisco CA. EHDD Architecture. (Supporting role as daylighting consultant)

AIA Austin, Design Award with Sustainability Commendation. Austin Central Library, Austin TX. Lake Flato Architects. (Supporting role as daylighting consultant)

2018 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Georgia Tech Engineered Bio-Systems Building, Atlanta GA. Lake Flato Architects. (Supporting role as daylighting consultant)

Austin Green Awards, Project of the Year. Austin Central Library, Austin TX. Lake Flato Architects. (Supporting role as daylighting consultant)

AIA San Antonio COTE Award. Georgia Tech Engineered Bio-Systems Building, Atlanta GA. Lake Flato Architects. (Supporting role as daylighting consultant)

New Buildings Institute Zero Net Energy Leadership Award. Mark Day School, San Rafael CA. EHDD Architecture. (Supporting role as daylighting consultant)

Urban Land Institute Austin Best Project Design Award. Austin Central Library, Austin TX. Lake Flato Architects. (Supporting role as daylighting consultant)

American Library Association (ALA) International Interior Design Association Library Interior Design Award. Austin Central Library, Austin TX. Lake Flato Architects. (Supporting role as daylighting consultant)

2017 AIA/Interfaith (IFRAA) Design Award. Bellevue Congregational Church, Bellevue WA. Atelier Jones. (Supporting role as daylighting consultant)

Illuminating Engineering Society Award of Merit. Altman Clinical and Translational Research Institute, La Jolla CA. ZGF Architects. (Supporting role as daylighting and solar shading consultant)

Engineering News Record (ENR) Best Project Award. Altman Clinical and Translational Research Institute, La Jolla CA. ZGF Architects. (Supporting role as daylighting and solar shading consultant)

AIA San Diego Committee on the Environment, Honor Award. Altman Clinical and Translational Research Institute, La Jolla CA. ZGF Architects. (Supporting role as daylighting and solar shading consultant)

2015 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Bullitt Center, Seattle WA. The Miller Hull Partnership. (Supporting role as daylighting and integrated design consultant)

International Living Future Institute Certified Living Building. Bullitt Center, Seattle WA. The Miller Hull Partnership. (Supporting role as daylighting and integrated design consultant)

Sustainable Buildings Industry Council, Beyond Green Award. Bullitt Center, Seattle WA. The Miller Hull Partnership. (Supporting role as daylighting and integrated design consultant)

2014 Illuminating Engineering Society Award of Merit. UCSD Health Sciences Biomedical Research Facility 2, La Jolla CA. ZGF Architects. (Supporting role as daylighting and solar shading consultant)

AIA San Diego Committee on the Environment (COTE) Award. UCSD Health Sciences Biomedical Research Facility 2, La Jolla CA. ZGF Architects. (Supporting role as daylighting and solar shading consultant)

- Architizer, A+ Award Architecture and Sustainability – Special Mention Bullitt Center, Seattle WA. The Miller Hull Partnership. (Supporting role as daylighting and integrated design consultant)
- 2013 Engineering News Record (ENR) Best Green Project of the Year. Bullitt Center, Seattle WA. The Miller Hull Partnership. (Supporting role as daylighting and integrated design consultant)
- 2011 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. LOTT Clean Water Alliance, Olympia WA. The Miller Hull Partnership. (Supporting role as daylighting and solar shading consultant)
- ASHRAE Technology Award. Center for Urban Waters, Tacoma WA. Perkins+Will. (Supporting role as daylighting and solar shading consultant)
- NAIOP Public Project of the Year. Center for Urban Waters, Tacoma WA. Perkins+Will. (Supporting role as daylighting and solar shading consultant)
- Landmark Libraries Top Ten Libraries. Sammamish Library, Sammamish WA. Perkins+Will. (Supporting role as daylighting consultant)
- 2010 ASHRAE Technology Award (First Place). Terry Thomas Building, Seattle WA, Weber+Thompson. (Supporting role as daylighting consultant)
- 2009 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Terry Thomas Building, Seattle WA. Weber+Thompson. (Supporting role as daylighting consultant)
- AIA National Institute Honor Award for Interior Architecture. Novelty Hill – Januik Winery, Woodinville WA. Mithun. (Supporting role as daylighting consultant)
- 2008 American Public Works Association (AWPA) Project of the Year. Shoreline Transfer Station, Shoreline WA. KPG Architects.
- AIA Seattle Honor Award. EX3 Ron Sandwith Teen Center, Federal Way, WA. Weinstein AU Architects. (Supporting role as daylighting consultant)
- AIA Award of Merit. Kitsap County Administration Building, Port Orchard WA Miller Hull Partnership. (Supporting role as daylighting consultant)
- AIA Seattle Honor Award. Montlake Branch Library, Seattle WA, Weinstein AU. (Supporting role as daylighting consultant)

- 2007 AIA Committee on Architecture for Education Educational Facility Design Award of Excellence. Benjamin Franklin Elementary School, Kirkland WA. Mahlum. (Supporting role as daylighting consultant)
- American Association of School Administrators, Walter Taylor Award. Benjamin Franklin Elementary School, Kirkland WA. Mahlum. (Supporting role as daylighting consultant)
- Environmental Design Research Association and Metropolis Magazine Award for Excellence in Place Design. Ballard Library, Seattle WA. Bohlin Cywinski Jackson. (Supporting role as daylighting consultant)
- AIA/American Library Association (ALA) Building Award. Ballard Library, Seattle WA. Bohlin Cywinski Jackson. (Supporting role as daylighting consultant)
- 2006 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Benjamin Franklin Elementary School, Kirkland WA. Mahlum. (Supporting role as daylighting consultant)
- AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Ballard Library, Seattle WA. Bohlin Cywinski Jackson. (Supporting role as daylighting consultant)
- Environmental Design Research Association and Metropolis Magazine Award for Excellence in Place Design. Ballard Library, Seattle WA. Bohlin Cywinski Jackson. (Supporting role as daylighting consultant)
- Society for Environmental Graphic Design, Honor Award. Boeing Future Factory, Everett WA, NBBJ (Supporting role as daylighting consultant – daylight was part of graphic wayfinding strategy)
- 2005 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Evergreen State College Seminar 2 Building, Olympia WA. Mahlum. (Supporting role as daylighting consultant)
- Edwin F. Guth Interior Lighting Award. Evergreen State College Seminar 2 Building, Olympia WA. Mahlum. (Supporting role as daylighting consultant)
- 2004 AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Pierce County Environmental Services Building, University Place WA. The Miller Hull Partnership. (Supporting role as daylighting consultant)

3. Exhibits Curated

- 2018 Bullitt Center Informational Graphics. Distributed explanatory graphics highlighting integrated, high performance system features of the Bullitt Center.

With Burpee, H. (UW Architecture) and Sigler, D. (CBE). On permanent display at the Bullitt Center, Seattle WA. June 2018.

2015 "Campus as Living Laboratory for Sustainability." Hosted at the Center for Integrated Design's Discovery Commons, in collaboration with UW Office of Sustainability. With Burpee, H. (UW Architecture) October 2015-April 2016.

"Bullitt 2.0." Hosted in conjunction with rotating exhibits at the Center for Integrated Design's Discovery Commons. With Burpee, H. (UW Architecture) and Loveland, J. (UW Architecture) October 2015-May 2016.

II E. SERVICE AS A PEER REVIEWER

1. Peer Reviewer

2020 Paper Peer Reviewer. *Building Simulation Journal*. June 2020.

Paper Peer Reviewer. American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Buildings. Two papers June 2020.

Paper Peer-Reviewer. *Leukos: The Journal of the Illuminating Engineering Society*, Taylor and Francis.

2019 American Institute of Architects – Seattle Chapter; Energy in Design Honor Award. Submission Review. October 2017.

Internal Grant Reviewer – Start-Up Faculty Grants, University of North Carolina, Charlotte. March 2019

2018 Paper Peer Reviewer. Passive and Low Energy Architecture (PLEA) Conference, Hong Kong, December 2018

American Institute of Architects – Seattle Chapter; Energy in Design Honor Award. Submission Review. October 2017.

2017 Paper Peer Reviewer. *Automation in Construction*, Elsevier B.V.

2016 Paper Peer Reviewer. American Council on an Energy Efficient Economy (ACEEE) Summer Study, Asilomar, CA, Summer 2016

American Institute of Architects – Seattle Chapter; Energy in Design Honor Award. Submission Review. October 2016. *Inaugural year of award, First time energy performance data is required for all submissions.*

Paper Peer Reviewer. Passive and Low Energy Architecture (PLEA) Conference, Los Angeles, CA. 2016

- 2015 Scientific Review Committee. Building Enclosure Science and Technology Conference; National Institute of Building Sciences. Kansas City, KA. 2015.
- 2013 Scientific Review Committee; Conference of the International Building Performance Simulation Association (IBPSA). Autumn 2013.
- 2011 Scientific Review Committee; Conference of the International Building Performance Simulation Association (IBPSA). Sydney, Australia. Autumn 2011.
- 2010 Lightfair International. Conference Advisory Committee. (Conference educational curriculum development, creation and review of proposals, approved speakers).
- 2009 Peer Reviewer. California Emerging Technology Program. Office of the Future Phase II.
- 2008 Lawrence Berkeley National Laboratory (LBNL). High Performance Building Façade Solutions. Member, Project Advisory Committee, November 2007- 2009
- 2006 Lightfair International. Conference Advisory Committee. (Conference educational curriculum development, creation and review of proposals, approved speakers). 2005-2006.

2. Review of Faculty Members for Promotion at Various Universities

Illinois Institute of Technology
Lawrence Technological University
Montana State University
Washington State University
University of Minnesota
University of Texas

II F. PUBLICATIONS BY OTHERS THAT CREDITS MY RESEARCH (Selected)

- 2019 Heater, M. (Ecotope), Baker, S. (Ecotope), The ASHRAE Journal. “Church Transforms to Neighborhood School” Vol. 61, no. 3. March 2019. *IDL simulation work led by Meek, C. and adaptive re-use project highlighted in article.*
- 2018 Jones, Penny, Lighting – The Official Publication of the IES Australia New Zealand. “Enriching Our Lives by Bringing the Outside Inside” April/May 2018. *Interviewed, quoted extensively. Presents daylighting background, commentary, and documents daylighting design at the Bullitt Center, Seattle, WA and elsewhere.*

- 2014 Anderson, K.; *Design Energy Simulation for Architects: Guide to 3D Graphics*. Taylor & Francis (Routledge), London, UK, 2014; pp. 8, 41, 129-136, 209-215, 221-229; *Presents two chapters that cover methodologies and case studies of applied simulation methods led by Meek at the UW IDL for multiple projects.*
- 2012 Reeder, L.; *Net-Zero Energy Buildings: Case Studies and Lessons Learned* Taylor & Francis (Routledge), Abingdon, Oxon, OX14 4RN 2014; pp. 3-18. *Quoted in section on the design process and the daylighting simulation process employed in the project in Chapter 1 "Bullitt Center, Seattle WA."*
- Heschong, L. (Heschong Mahone Group), et al. *LM-83-12 Approved Method: IES Spatial Daylight Autonomy (sDA) and Annual Sunlight Exposure (ASE)*; Publication of the Illuminating Engineering Society of North America; Prepared by the Daylight Metrics Committee, Approved by the IES Board of Directors, October 2012. *Provides new approved metrics for daylight performance using annual analysis. Meek served as an advisory member to the committee.*
- Heschong, L. (Heschong Mahone Group), et. al. California Energy Commission "Daylighting Metrics: PIER Daylighting Plus Research Program." CEC-500-2012-053. UW sub award led by Loveland, J. (UW Architecture). *Project team member - led simulation model development for 80 spaces for metrics analysis.*
- 2011 Liu, Bing, Editor, *Advanced Energy Design Guide for Small to Medium Office Buildings: Achieving 50% Energy Savings Toward a Net Zero Energy Buildings*; Publication of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers; Original Photography by **C. Meek** and K. Van Den Wymelenberg supporting Terry Thomas Building Case Study; pp.50-51; July 2011. *Used to illustrate best practices for energy efficient design. Visual comfort simulation and analysis of project led by C. Meek at UW IDL.*
- DiLaura, D., Houser, K, Mistrick, R., Steffy, G., Editors; *IES Lighting Handbook, Tenth Edition*, Fig. 14.2 and 19.1; Case Study on IDL Consulting work Original Photography by **C. Meek** and K. Van Den Wymelenberg included in "Section 2. Designing Daylighting," Publication of the Illuminating Engineering Society, July 2011; *Project won a 2009 AIA National Committee on the Environment (COTE) Top-Ten Green Building Award; Used to illustrate best practices for daylighting and solar control. Daylighting and visual comfort simulation and analysis of project led by C. Meek at UW IDL.*
- 2010 Sethi, Amarpreet; Marseille, Tom; *Old Concepts, New Tools: The Terry Thomas; High Performance Buildings: The ASHRAE Journal*; Quoted in article about daylighting work by UW IDL led by **C. Meek** on project, original photography included in article and on cover; Summer 2010; *Project won a 2009 AIA National Committee on the Environment (COTE) Top-Ten Green Building Award.*

III. TEACHING

III A. ACADEMIC EMPLOYMENT

2015 - Present	Associate Professor (with Tenure) University of Washington, Seattle, WA Department of Architecture
2012 - 2014	Research Associate Professor University of Washington, Seattle, WA Department of Architecture Integrated Design Lab
2006 - 2012	Research Assistant Professor University of Washington, Seattle, WA Department of Architecture Integrated Design Lab
2002 - 2006	Lecturer/Research Associate University of Washington, Seattle, WA Department of Architecture
2001 - 2002	Research Assistant P/T University of Washington, Seattle, WA Department of Architecture Daylighting Lab
2001	Teaching Assistant P/T University of Washington, Seattle, WA Department of Architecture

III B. ACADEMIC COURSES TAUGHT

1. UW Department of Architecture

ARCH 435 Principles and Practice of Environmental Lighting
3 Credits – Elective (Core Course Lighting Certificate)

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2019 Autumn	8/15	4.7/(4.3 Adjusted)
2017 Autumn*	7/11	4.9/(4.8 Adjusted)
2016 Autumn	12/16	4.5/(4.4 Adjusted)
2015 Autumn	16/17	4.6/(4.4 Adjusted)
2014 Autumn**	12/16	3.9/(3.5 Adjusted)
2013 Autumn**	7/16	3.9/(3.5 Adjusted)
2011 Autumn***	11/20	4.0/(3.6 Adjusted)

2010 Autumn***	15	Not Evaluated
2009 Autumn***	11/20	4.0/(3.6 Adjusted)
2008 Autumn***	9/20	4.1/(3.7 Adjusted)
2006 Autumn***	9/20	Not Evaluated

*Special focus: Landscape Lighting

**Co-Taught with Loveland, J. (UW Architecture)

***Co-Taught with Bartholomew, E. (UW Architecture)

ARCH 535 Daylighting Design
3 Credits – Elective (Core Course Lighting Certificate)

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2020 Spring	x/15	In Progress (COVID - remote)
2018 Spring	7/15	4.7/(4.3 Adjusted)
2017 Spring	7/14	4.8/(4.4 Adjusted)
2016 Spring	15/15	4.6/(4.3 Adjusted)
2014 Spring	7/7	4.2/(3.9 Adjusted)
2013 Spring	7/7	4.6/(4.4 Adjusted)
2012 Spring	10/11	4.6/(4.4 Adjusted)
2011 Spring	13/16	4.8/(4.6 Adjusted)
2010 Spring	10/12	4.8/(4.8 Adjusted)
2009 Spring	10/10	4.5/(4.1 Adjusted)
2008 Spring	3/4	4.6/(4.4 Adjusted)
2007 Spring	7/7	4.7/(4.4 Adjusted)

ARCH 504/5 Performance-Based Design Studio
6 Credits – Required Studio Option

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2019 Spring*	8/12	4.1/(4.3 Adjusted)
2018 Winter**	12/13	4.6/(4.2 Adjusted)
2017 Winter***	8/9	4.0/(4.0 Adjusted)

*Research seminar linkage with Pena, R. (UW Architecture)

**Co-Taught with Kleiner, D. (Perkins+Will), Course linkage w/ Simonen, K. (UW Architecture) and Dossick, C. (UW Construction Management)

***Co-Taught with Kleiner, D. (Perkins+Will)

ARCH 598D Building Envelope Technical Seminar (Winter 2016)
3 Credits – Special Topics w/ Endowed Visiting Professor
Co-Taught w/ Maurya McClintock (McClintock Façade Consulting)
Evaluation: 4.7 (4.6 Adjusted); Respondents: 12/12

ARCH 598 Measurement and Meaning: The On-Site Assessment, Evaluation, and Understanding of Building Systems and Performance

3 Credits – Undergraduate/Graduate Elective

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2004 Spring	6	Not Evaluated
2003 Spring*	8	Not Evaluated

* Co-Taught with Van Den Wymelenberg, K. (UW Architecture)

2. UW Department of Mechanical Engineering

ME 599/498 Sustainable Energy Harvesting and Storage Materials and Systems
3 Credits – Undergraduate/Graduate Elective

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2014 Winter*	35	Not Evaluated
2013 Winter*	30	Not Evaluated
2012 Winter*	32	Not Evaluated

* Co-Taught with Taya, M. (UW Mechanical Engineering), Cooper, J. (UW Civil Engineering), Luscombe, C. (Materials Science and Engineering), Kuga, Y. (Electric Engineering)

3. UW Extension

2010-12 Established “Certificate in Integrated Lighting Design” offered by the College of Built Environments through University of Washington Extension Program (1 year, 9 Cr. Professional Education Certificate)

Spring 2012 ARCH 535b, 3 Credits
Graduate Seminar in Environmental Lighting (Daylighting Seminar)
(Required Course)

Spring 2011 ARCH 535b, 3 Credits
Graduate Seminar in Environmental Lighting (Daylighting Seminar)
(Required Course)

III C. THESIS COMMITTEES

2020 Ben-Hsin (Brian) Dow (Master of Architecture)
Dynamic Shading Screens for Residential Buildings in Taiwan: Daylight, Energy Saving, and Cultural Response
Chair: **Meek, C.** Other Committee Members: Peña, R., Gilbride, M.

2019 Ya-Chi Kao (Master of Architecture)
Ephemeral
Chair: Pena, R. Other Committee Members: **Meek, C.**

Nathan Altenberg (Master of Architecture)
Syncing with the Sky: Daylight-Driven Circadian Lighting Design
Chair: Inanici, M. Other Committee Members: **Meek, C.**

Elham Soltani (Master of Science, Design Computing)
Experience Maps (X-Maps): A Tool for Optimized Space Planning
Chair: **Meek, C.** Other Committee Members: Johnson, B.

Shakiba Ahmadi (M.S. Design Computing)
A Simulation-Based Workflow Toward Performative Urban Solar and Daylighting Design
Chair: Inanici, M. Other Committee Members: **Meek, C.**

2018 Aparna Jojjode (Master of Architecture, High Performance Buildings)
Exploring Biotic Approaches in Performance Based Design
Chair: Robert Pena, Committee Members: **Meek, C.**

S. Gaura Ely (Master of Architecture)
Sculpting Experience: An Exploration of Light, Threshold, Emergence, and Spatial Sequence
Chair: **Meek, C.** Other Committee Members: Borys, A., Proksch, G.

Mariel Dougoud (Master of Architecture.)
Mycelium Infrastructures for Impermanent Futures: Revitalization of an Industrial Site Through the Manufacturing and Research of Mycelium-based Biocomposite Materials
Chair: Corser, R. Other Committee Member: **Meek, C.**, Simonen, K.

2017 Erik Rostad (Master of Architecture.)
The Body's Window: A Performance Based Approach To Improving Psychophysiological Well Being Through Biophilic Design Strategies In Urban Seattle
Chair: **Meek, C.** Other Committee Members: Inanici, M. and Kleiner, D.

Doaa AlGhalib (Master Of Science, Design Computing)
Performance-Based Façade Designs,
Chair: Inanici, M. Other Committee Members: **Meek, C.**

Ang Jiao (Master of Architecture. High Performance Buildings)
Adaptive Re-Use of Hu-Tong Building Typology in Beijing, China
Chair: **Meek, C.**, Other Committee Member: Sprague, T.

John Dylan Davis (M.S. Design Computing)
EBOSS: Evolutionary Building Operations Systems Solver
Chair: **Meek, C.**, Other Committee Members: Peña, R., Gilbride, M.

Christopher Morris (Master of Architecture)
City Sauna: Health and Wellness in Architecture Through Cultural Experiences
Chair: Peña, R. Other Committee Member: **Meek, C.**

2016 Alireza Hashemloo (Master Of Science, Design Computing)
Implementation of Annual Daylight Simulation Methods to Study the Impact of Ray-Scattering Complex Fenestration Systems (CFS) on Occupant Visual Comfort
Chair: Inanici, M. Other Committee Members: **Meek, C.**

Mohammed Al-Humaid (Master of Architecture.)
Integrated Housing Approach for Riyadh's Hot and Arid Climate: Solutions from the Desert Vernacular
Chair: Peña, R. Other Committee Members: **Meek, C.**

Dhara Mehta (Master of Architecture High Performance Buildings)
Regenerative Early Education Facility for Underrepresented Children in Pratiksha Nagar, Mumbai
Chair: **Meek, C.**, Committee Members: Knodell, S., Heerwagen, J.

2015 Marisol Foreman (Master of Architecture)
Mt Baker Base Camp and Research Facility: An American Typology Standard for the European Mountain Hut
Chair: **Meek, C.**, Committee Members: Swain, J.

Heli Ojaama (Master of Architecture High Performance Buildings)
Enhancing the Human-Nature Connection Through Biophilic Design In the Built Environment: A Branch Library on the Banks of Lake Union
Chair: Proksch, G. Other Committee Members: Burpee, H., Heerwagen, J., **Meek, C.**

Nicole Peterson (Master Of Science, Design Computing)
The Space Between Research and Practice: A Critical Evaluation of Computer-Based Lighting Metrics
Chair: Inanici, M. Other Committee Members: **Meek, C.**

2014 Alireza Hashemloo (Master of Architecture)
GlareShade: A Visual Comfort Based Approach to Adaptive Shading Systems;
Chair: Inanici, M. Other Committee Members: **Meek, C.**

Heli Ojamaa (Master of Architecture)
Reconnecting Through Biophilic Design: Exploring the Human-Nature Connection through the Built Environment
Chair: Proksch, G. Other Committee Members: Burpee, H., Heerwagen, J., **Meek, C.**

- 2013 Kesinee Trakulpattanakorn (Post-Professional Master of Architecture)
Recovery Center Light and Space in a Rooftop Inpatient Care Facility in Seattle's South Lake Union
Chair: **Meek, C.**, Committee Members: Burpee, H.
- 2012 James Moehring (Master of Architecture)
South Lake Union School: The Future Learning Environment
Chair: Miller, D. Other Committee Members: Loveland, J., **Meek, C.**
- 2011 Martin Brennan (Master of Architecture)
The Phinney Center: Interfacing Performance Through Place People and Program
Chair: Heerwagen, D. Other Committee Members: **Meek, C.**, Strauss, D.
- Louis Caldwell (Master of Architecture)
Parametric Analysis for Lighting in a Gallery Space
Chair: Miller, D. Other Committee Members: Corser, R. **Meek, C.**
- 2010 Steven Duncan (Master of Architecture)
A Center for the Treatment of Seasonal Affective Disorder (SAD) in Seattle, WA;
Chair: Inanici, M. Other Committee Members: **Meek, C.**
- 2008 Kathleen Cheney (Master of Architecture)
Considerations of Lighting Influencing Design: A Community Center for Fremont
Chair: Loveland, J. Other Committee Members: Badanes, S., **Meek, C.**

III D. INDEPENDENT STUDY

- 2020 ARCH 600 Independent Study, 3 Credits
Dean's Applied Research Consortium – w/ DLR Group
Haley Wilson (M. Arch Candidate)
- 2016 ARCH 600 Independent Study
Electric Lighting Design Special Topics
M. Arch. Candidates Siyu Qu and Kejia Zhang
- ARCH 600 Independent Study
Case Studies in Experiential Light
M. Arch. Candidate Lisa Glenn (In partial fulfillment of the Lighting Design Certificate)
- 2013 ARCH 600 Independent Study, 3 Credits
Topics in Lighting and Building Energy Simulation Tools: Practice Methods
Kesinee Trakulpattanakorn (Post-Professional M. Arch Candidate)

- 2011 ARCH 600 Independent Study
Building Performance Rating Systems Objectives and Comparison
M. Arch. Candidate Sarah Marshall
- ARCH 600 Independent Study
Simulating Energy Performance with EnergyPlus for Architectural Design Decision Making
M. Arch. Candidate Martin Brennan
- 2010 ARCH 600 Independent Study
Passivehouse and the Seattle Speculative Townhome
M. Arch. Candidate Joseph David
- ARCH 499 Undergraduate Research Topics
Undergraduate Honors Project: Lighting and Daylighting Concepts in Retail Design
B. Arch. Candidate Sophia Duluk
- ARCH 600 Independent Study
Building Morphology and Multi-Family Residential Daylighting
M. Arch. Candidate Peter Johnson
- ARCH 600 Independent Study
K-12 School Design Research: Lighting and Energy Use Patterns
M. Arch. Candidate Aaron Helmers
- 2008 ARCH 600 Independent Study, 3 Credits
Heliodon: Research, Design, Fabrication, Calibration
M. Arch. Candidate John Jay Powell
- 2007 ARCH 600, 3 Credits
Lighting Design and Consulting Professional Practice
M. Arch. Candidate Zigurds Greivulis

IV. SERVICE

IV A. CONTRIBUTIONS TO ACADEMIC COMMUNITIES

1. Service to University of Washington's Center for Integrated Design

- 2015-Present Director of the UW Center for Integrated Design (UW College of Built Environments/Department of Architecture) and the Integrated Design Lab: administrative, financial, supervisory, and development responsibilities for the Center, including executive responsibility for grant and contract management, hiring, training, developing and managing full-time staff and part-time students, facility oversight, day-to-day operational management, and strategic development and management.
- 2019 Faculty Search Committee: Post-Doctoral Scholar, Center for Integrated Design, University of Washington (Search Committee Member)
- Hosted Visiting Scholar, Associate Professor Mohamed Mayhoob Scholar, Al-Azhar University, Cairo Egypt
- 2016 Staff Search Committee: Public Information Specialist, Center for Integrated Design, University of Washington (Committee Member)
- 2014 Faculty Search Committee: Post-Graduate Research Associate, Center for Integrated Design, University of Washington (Committee Member)

2. Service to University of Washington

- 2017-present University of Washington Campus Sustainability Fund (CSF), Ex-Officio (Faculty advisory role)
- 2016-present 2-Year Master of Architecture Admissions (committee member)
- 2019-present University of Washington, College of Built Environments, Strategic Planning Group – Local/Global (College-level strategic planning committee member)
- 2008-present UW Design Machine Group member (Research group of faculty and students focused on computation and design research topics)
- 2019 Faculty Search in Digital Technologies and Computational Design, Department of Architecture, University of Washington (committee member)
- 2016-2019 University of Washington Environmental Stewardship Committee Building Rating System Sub-Committee (committee member)

- 2019 Program Review Committee for the Department of Real Estate, College of Built Environments (Committee Member)
- 2018 University of Washington, Department of Architecture Tenure, Promotion, Merit Review Committee (Committee Member)
- 2016-2018 Post-Professional M. Arch in High Performance Buildings Admissions Committee (Committee Member)
- 2014-2016 Post-Professional M. Arch in High Performance Buildings Admissions Committee (Committee Chair)
- 2015-2016 University of Washington Office of Planning and Management Working Group (Integrated Energy Planning) (Committee Member)
- 2015 University Environmental Stewardship Committee 15% Energy Savings Subcommittee (Committee Member)
- 2008-2014 Undergraduate Admissions Committee (Committee Member)
- Post-Professional M. Arch in High Performance Buildings Committee (Committee Chair)
- 2010 Faculty Search Committee: Health Design, Department of Architecture, University of Washington (Committee Member)
- 2010 Development of *Certificate in Integrated Lighting Design* offered through the University of Washington Extension Program (Committee Co-Chair)
- 2009 Faculty Search Committee: Structural Technologies Department of Architecture, University of Washington (Committee Member)
- 2008 Faculty Search Committee: Design Computing + Digital Fabrication Department of Architecture, University of Washington (Committee Member)

IV B. CONTRIBUTIONS TO THE COMMUNITY AND OTHER ORGANIZATIONAL INVOLVEMENT

1. Professional Memberships

- 2006-Present American Institute of Architects (AIA)
- 2004-Present Society of Building Science Educators (SBSE)
- 2011-Present Illuminating Engineering Society of North America (IESNA)

2011-Present IESNA Daylighting Metrics Sub-Committee Member (Voting Member)

2. Professional Education Courses Regularly Taught

2004-Present IESNA Puget Sound Section

ED100.10 Introduction to Daylighting, Curriculum Component for Lighting Consultant (LC) Certification; A three hour lecture/workshop that provides lighting designers, engineers, and other members of the lighting industry an introduction to the terminology, techniques, and architectural implications of daylighting design. This is one of ten modules in a three-month introductory course [Taught annually].

IESNA Puget Sound Section

ED150.10 Advanced Daylighting, Curriculum Component for Lighting Consultant (LC) Certification; A three hour lecture/workshop that provides lighting designers, engineers, and other members of the lighting industry advanced concepts in daylighting design including physical properties of the sky, building morphology, energy implications, and electric lighting control systems integration [Taught annually].

2002-2012 Daylighting 101: Design

Integrated Design Lab / UW Daylighting Lab Curriculum for Design. A one hour seminar covering the effective incorporation of daylighting design within the context of a typical project delivery process with a focus on programming, schematic design, and client education.

Daylighting 102: Simulation

Integrated Design Lab / UW Daylighting Lab Curriculum for Design Professionals. A one hour seminar covering daylighting simulation, design performance verification, and glazing/material specification in Schematic design, Design Development, Construction Documents, and Contract Administration.

2007-2012 IESNA Portland Section

ED150.10 Advanced Daylighting, Curriculum Component for Lighting Consultant (LC) Certification. Similar content as ED150.10 described above, with a focus on the Portland area climate and sun angles.

2005-2012 USGBC Cascadia Region (Puget Sound Area)

Sustainable Building Advisor Course

Lecturer on Daylighting, Building Design, Technology, Energy, Curriculum Component for LEED Accredited Professional (LEED AP) Certification. A half day workshop that provides architects, engineers, construction managers, building owners, and other building industry professionals an introduction to the implications of daylighting design within the context of the LEED rating system.

2006-2012 USGBC Cascadia Region (Portland Regional Chapter)
Sustainable Building Advisor Course
Lecturer on Daylighting, Building Design, Technology, Energy, Curriculum
Component for LEED Accredited Professional (LEED AP) Certification. Similar
content as SBA course described above, with a focus on the Portland area climate
and sun angles.