

Christopher M. Meek FAIA, IES

Professor
Department of Architecture
University of Washington

Director
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10-page CV

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I. CAREER OVERVIEW

I A. ACADEMIC EMPLOYMENT

- 2021 – Present **Professor (with Tenure)**, Department of Architecture
University of Washington, Seattle, WA
- 2015 - Present **Center Director**, Center for Integrated Design Lab
University of Washington, Seattle, WA
- 2015 - 2021 **Associate Professor (with Tenure)**, Department of Architecture
University of Washington, Seattle, WA
- 2012 - 2014 **Research Associate Professor**, Department of Architecture
University of Washington, Seattle, WA
- 2006 - 2012 **Research Assistant Professor**, Department of Architecture
University of Washington, Seattle, WA

I B. EDUCATIONAL BACKGROUND

Master of Architecture, December 2002

- University of Washington, Department of Architecture, Seattle, WA
- 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 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)

- 2022 Architectural Research Consortium (ARCC) Research Incentive Award (with Teresa Moroseos and Heather Burpee)
The ARCC Research Incentive Award provides faculty in ARCC member schools with the resources needed to support and enhance their research and creative activities and to develop their research agendas.
- 2021 Husky Green Award
The Husky Green Awards recognize individuals and groups across all University of Washington campuses who lead the way for sustainability at the University of Washington.
- 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 contribution to the profession and society and who exemplify architectural excellence.
- 2019 Leadership in Energy Efficiency Award, Northwest Energy Efficiency Alliance Board of Directors

II. CREATIVE ACHIEVEMENT, RESEARCH AND SCHOLARSHIP

II A. PUBLICATIONS

1. Books and Book Chapters (Selected)

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.*

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 (Selected)

Méndez Echenagucia, T., Moroseos, T., **Meek, C.** “On the tradeoffs between embodied and operational carbon in building envelope design: The impact of local climates and energy grids”, *Energy and Buildings*, Volume 278, 1 January 2023, 112589, ISSN 0378-7788

Meek, C., Burpee, H. (UW Architecture), Moroseos, T. (UW Architecture), Squire, C. (Bora Architecture) “Energy in Design: Toward Performance-Based Recognition in Architectural Design Awards,” *Proceedings of the American Council for an Energy Efficient Economy (ACEEE) Summer Study on Energy Efficiency in Buildings*. Asilomar CA, August 2022

Moroseos, T; Burpee, H; **Meek, C.** “Efficacy of External Shading Devices and Natural Ventilation during Extreme Heat for a Seattle Multi-family Apartment Unit” *Proceedings of the Architectural Research Center Consortium 2022 Conference*, Miami, Florida. March 2022

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.

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).

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.

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.

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.

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.

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.

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.

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

In my role at the University of Washington Center for Integrated Design and Integrated Design Lab, I have secured and led the completion of over \$7.6 million of externally-funded research, technical assistance, and professional education.

Northwest Energy Efficiency Alliance, "Integrated Design Lab Services Contract" PI: **Meek, C.**, Co-PI: Burpee, H. (UW Architecture), Senior Personnel: Moroseos, T. (UW Architecture), \$168,000 (1-year). (Cumulative \$2.6 million) **Awarded (2010-present)**

US Advanced Research Projects Agency-Energy (ARPA-e), "Parametric Open Data for Life Cycle Assessment (POD -LCA) PI: Simonen, K., co-PIs: Carlisle, S. (Carbon Leadership Forum), Ganguly, I. (UW Forestry), **Meek, C.** (UW Architecture), Mendez-Echenagucia, T. (UW Architecture), Senior Personnel: Benke, B (Carbon Leadership Forum), Lewis, M. (Carbon Leadership Forum), Moroseos, T. (UW Architecture), Pierobon, F. (UW Forestry) \$3,744,303 – **Awarded (2022)**

Architectural Research Centers Consortium (ARCC), "2022 Research Incentive Award." **Meek, C.**, Moroseos, T. (UW Architecture), Burpee, H. (UW Architecture). \$5,000. – **Awarded (2022)**

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. (Cumulative \$171,600): **Awarded via UW Foundation (2015-present)**

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 \$25,000 - **Awarded via UW Foundation. (2021)**

Northwest Energy Efficiency Alliance, “Integrated Design Lab Services Contract Amendment No. 8”
PI: **Meek, C.**, Senior Personnel: Burpee, H. (UW Architecture), Gilbride, M. (UW Architecture), Moroseos, T. (UW Architecture), \$173,000 (1-year). **Awarded (2021)**

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 (2020-present)**

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 (2019-2020)**

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 (2019 - present)**

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 (2018-2019)**

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 (2017)**

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 \$3,100,000. \$300,000 to UW (3-year) **Awarded. (2016-2020)**

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) **Awarded. (2015)**

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. (2014-2015)**

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. (2013)**

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-year) **Awarded (2012-2014)**

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 (2010-2012)**

II C. INVITED AND REFEREED PRESENTATIONS OF RESEARCH, TECHNICAL ASSISTANCE, AND EDUCATION (Selected)

1. Refereed and Invited Presentations [Estimated Participants]

Society of Building Science Educators (SBSE) Annual Retreat “The Computational Research Studio,” with Mendez-Echenagucia, T. (UW Architecture) and Moroseos, T. (UW Architecture), Seattle, WA, 21 July 2022. *Accepted future Commitment*

Building Owners and Managers Association (BOMA) Oregon “New Year, New Technology: Integrated Lighting, Envelop, and HVAC,” with Pratt, J. (Energy 360) Virtual Presentation, 26 January 2022. [125]

American Institute of Architects (AIA) and the Association of Collegiate Schools of Architecture (ASCA) Intersections Research Conference. “Healthy Communities Special Focus Session: Partnerships with Practice and Academia, transforming how we think about healthy buildings and communities.” Panel presentation chaired by H. Burpee & C. Meek with panelists: Anne Schopf (Mahlum), Vikram Sami (Olson Kundig), Kirsten Dotson (Miller Hull Partnership), Myer Harrell (Weber Thompson), Pia Weston (SHKS). September 29, 2022. Virtual Conference.

AIA Conference on Architecture 2021 (A’21), “Building a Case for High-Performance Design.” Panel presentation with Heather Burpee (UW Architecture), Amy Leedham (Atelier 10), and Anica Landreneau (HOK). Virtual Presentation, 8 July 2021. [966]

Smart Building Center and National Building Operator Certification Program, “Innovation in Building Envelopes and Window Technologies,” with Mcleod, H. (Oak Ridge National Laboratory), and Pratt, J. (Energy 360) Virtual Presentation, 26 March 2021. [125]

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]

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]

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]

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]

US Green Building Council Hawaii Chapter. “Net-Zero Building Design: The Bullitt Center: Design and Performance,” Honolulu HI, 24 June 2014. [75]

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]

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]

II D. CREATIVE PRACTICE

1. National Awards for Technical Assistance Projects (Selected)

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. These awards stem from over 700 daylighting and integrated energy design projects led 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).

AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Lick-Wilmerding Historic High School Renovation and Expansion, San Francisco, CA. EHDD Architecture. (Supporting role as daylighting consultant) (2022)

AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Louisiana Children’s Museum, New Orleans, LA. Mithun. (Supporting role as daylighting consultant) (2022)

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) (2020)

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) (2018)

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 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) (2015)

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) (2013)

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) (2011)

AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Terry Thomas Building, Seattle WA. Weber+Thompson. (Supporting role as daylighting consultant) (2009)

AIA National Institute Honor Award for Interior Architecture. Novelty Hill – Januik Winery, Woodinville WA. Mithun. (Supporting role as daylighting consultant) (2009)

AIA National Committee on the Environment (COTE) Top 10 Green Building Award. Benjamin Franklin Elementary School, Kirkland WA. Mahlum. (Supporting role as daylighting consultant) (2006)

AIA National Committee on the Environment (COTE) Top 10 Green 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. Evergreen State College Seminar 2 Building, Olympia WA. Mahlum. (Supporting role as daylighting consultant) (2005)

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) (2004)

3. Exhibits Curated

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.

"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.

III. TEACHING

III B. ACADEMIC COURSES TAUGHT

1. UW Department of Architecture

ARCH 508 B Research Studio. 6 Credits – Required Studio Option

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2022 Spring*	8/12	4.6/(4.8) Adjusted

*Co-Taught with Proksch, G. (UW Architecture)

**Co-Taught with Mendez-Echenagucia, T. (UW Architecture)

ARCH 594 B Architectural Research Seminar II
3 Credits – Required Studio-Linked Seminar

<u>Year Taught</u>	<u>Respondents</u>	<u>Evaluation (0-5 Scale)</u>
2022 Winter**	6/16	4.5/(4.5) Adjusted

*Co-Taught with Proksch, G. (UW Architecture)

**Co-Taught with Mendez-Echenagucia, T. (UW 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)

*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>
2022 Spring	10/15	4.9/(4.7) 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)

*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)

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

2. UW Department of Mechanical Engineering

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

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

III C. THESIS COMMITTEES (Selected)

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

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

Nathan Altenberg (Master of Architecture) (2019) *Syncing with the Sky: Daylight-Driven Circadian Lighting Design*. Chair: Inanici, M. Other Committee Members: **Meek, C.**

Elham Soltani (Master of Science, Design Computing) (2019) *Experience Maps (X-Maps): A Tool for Optimized Space Planning*. Chair: **Meek, C.** Other Committee Members: Johnson, B.

Shakiba Ahmadi (M.S. Design Computing) (2019). *A Simulation-Based Workflow Toward Performative Urban Solar and Daylighting Design*. Chair: Inanici, M. Other Committee Members: **Meek, C.**

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

S. Gaura Ely (Master of Architecture) (2018) *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.) (2018) *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.

Ang Jiao (Master of Architecture. High Performance Buildings) (2017) *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) (2017) *EBOSS: Evolutionary Building Operations Systems Solver*. Chair: **Meek, C.**, Other Committee Members: Peña, R., Gilbride, M.

Christopher Morris (Master of Architecture) (2017) *City Sauna: Health and Wellness in Architecture Through Cultural Experiences*. Chair: Peña, R. Other Committee Member: **Meek, C.**

Alireza Hashemloo (Master Of Science, Design Computing) (2016) *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.**

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.

Marisol Foreman (Master of Architecture) (2015) *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.**

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.

2. Service to University of Washington

2022-Present Department of Architecture Merit Review Committee (Chair)
2022-Present University of Washington Energy Transformation Task Force (Member)
2021-Present University of Washington Green Building Standards Committee (Member)
2017-Present University of Washington Campus Sustainability Fund (CSF), Ex-Officio (Faculty advisory role)
2016-Present 2-Year Master of Architecture Admissions 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)
2021-Present IESNA Daylighting Metrics Sub-Committee Member (Vice Chair)
2011-Present IESNA Daylighting Metrics Sub-Committee Member (Voting Member)
2022-Present AIA Seattle Fellows and Honors Committee (Member)