

Siobhan Francois Rockcastle

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EDUCATION

- 2013-2017 **Ecole Polytechnique Fédérale de Lausanne, PhD**
Thesis: Perceptual Dynamics of Daylight in Architecture
Director: Marilyne Andersen
School of Architecture, ENAC, Lausanne, Switzerland
[\[Special Distinction for Thesis\]](#)
- 2009-2011 **Massachusetts Institute of Technology, SMArchS, Building Technology**
Thesis: Daylight Variability and Contrast-Driven Architectural Effect
Advisors: Marilyne Andersen, Terry Knight & Sheila Kennedy
SA+P, Cambridge, MA
[\[SMArchS Thesis Award\]](#)
- 2003-2008 **Cornell University, B.Arch**
Thesis: Pig's Eye Park, Reoccupying the Dump
Advisors: Kevin Pratt & Leyre Asensio Villoria
AAP, Ithaca, NY
[\[Alpha Rho Chi Bronze Medal\]](#)

ACADEMIC POSITIONS

- 2018-current **University of Oregon, Assistant Professor of Architecture**
Frederik C. Baker Chair in Design, Director of the Baker Lab, IHBE Founding Partner
- Courses Taught:
- Human Centric Environments, Undergraduate & Graduate Technical Elective
3-4 credit hours
This advanced technical elective offered an introduction to the use of experimental design to conduct field and lab experiments on the effects of environmental conditions on perception [2018].
- Advanced Research Methods, Required for Doctoral Program
4 credit hours
This course introduces advanced research methods through the development of a comprehensive research proposal, the lens of scientific writing, peer review, and revision [2018, 2020, 2021].
- Architectural Design, 2nd Year Core Undergraduate Studio
6 credit hours
This studio is taught every spring to the 2nd year undergraduate architecture students and covers topics related to the integration of tectonic, programmatic, and site systems [2018-2021, studio coordinator in 2020 & 2021].

Architectural Design, Graduate/Undergraduate Studio

6 credit hours

This studio, titled 'Oregon Museum of Climate Science,' asked students to propose a participatory museum for the display of exhibitions related to climate science in the McKenzie Watershed in Oregon [2019].

Electric Lighting, Required Undergraduate & Graduate Course for IARC Program

3-4 credit hours

This course introduces the fundamentals of electric lighting, from source selection to luminaire and comprehensive lighting design. Students create a physical luminaire prototype as well as an integrated design scheme for an existing retail space [2018-2019].

Virtual Lighting Design, Undergraduate & Graduate Advanced Technical Elective

4 credit hours

This course introduces software and methods for rendering and analyzing immersive lighting designs in Virtual Reality. Critiques are completed in VR to create an immersive perceptual experience [2019].

Building Simulation & Visualization, Undergraduate & Graduate Advanced Technical/Media Elective

4 credit hours

This course introduces software and workflows to simulate metrics for lighting, thermal comfort, energy, and render 3D models for visualization in VR. Guest workshops and lectures are posted on the Baker Lighting Lab site for free access [2021].

Human Contexts of Design, Required Undergraduate & Graduate Course

4 credit hours

This course introduces the human contexts of design at the scale of the building and city. Lectures are supported by a term-long project and sections, led by a team of grad student educators [2020].

June-Dec, 2017

Ecole Polytechnique Fédérale de Lausanne, *Post Doctoral Assistant*

Position funded by the Velux Stiftung Foundation

Researching the added value of human-centric daylight performance assessments during the architectural design process. This position supported the development of a software platform that integrated simulation protocols for two novel metrics.

2013 – 2016

Ecole Polytechnique Fédérale de Lausanne, *Doctoral Assistant*

The Doctoral Program Architecture and Sciences of the City (EDAR)

Courses Taught:

Architecture and Sustainability: Critical Approaches, Doctoral Level

Participated in the planning of lecture content, readings, and projects and lectured on case-study analysis and historical contexts for environmental performance evaluation.

Solar Decathlon Summer Workshop, Master Level

Led a team of 6 students in the documentation and analysis of case-study projects, supervised the early-stage design of concepts for EPFLs upcoming 2017 competition entry and lectured on daylight integration in architecture.

Space and Light: The Lighting Project, Master Level

Lectured on daylight performance software and led workshops in geometrical modelling and integration of performance evaluation software.

2011 – 2012

Northeastern University, *Teaching Fellow & Visiting Assistant Professor*
School of Architecture, College of Arts, Media and Design

Courses Taught:

Architecture & Energy Systems, Bachelor Level

Independently planned and taught the required course for professional accreditation and lectured on architectural lighting, HVAC, acoustics, passive design, and energy management.

Comprehensive Design Studio, Bachelor Level

Coordinated 6 adjunct faculty (across 6 sections, composed of 70 students in total), led curriculum development for the terminal Bachelor-level studios, and independently taught a section of 13 students. This course integrated technical lecture-based courses integrated structural, mechanical, and passive strategies.

Daylight Design Seminar, Master Level

Independently taught 12 master students advanced techniques in daylight modelling, simulation, and visualization to encourage a reiterative design process for sustainable lighting design.

2009 - 2010

Massachusetts Institute of Technology, *Teaching Assistant*
Department of Architecture, School of Architecture & Planning

Courses Taught:

Comprehensive Design Studio, Master Level

Assisted instruction with Professors Andrew Scott, Sheila Kennedy & Cristina Parreño and introduced the use of environmental simulation software to teach digital modelling and energy/lighting evaluation.

2009 - 2010

Massachusetts Institute of Technology & Sekisui House, *Research Assistant*
Department of Architecture, School of Architecture & Planning

Funded Project:

Sustainable Housing Prototypes for development in 2050, Tama, Japan
Worked in a collaborative team to produce a typological study on the ecological and economic structure of future housing in Tama New Town. This work resulted in the publication of "*re: New Town: Adaptive Urbanism & the Low-Carbon Community*," a publication by Eran Ben Joseph and Andrew Scott.

2005 - 2009

Cornell University, *Teaching Associate*
Department of Architecture, College of Architecture, Art & Planning

Courses Taught:

Undergraduate Design Studios 101 & 102

Co-taught 65 undergraduate first year architecture students alongside 5 full-time teaching assistants under the supervision of Professors Vincent Mulcahy and Alex Mergold.

Summer College Introduction to Architectural Design Studio

Taught one section of 14 high school seniors in a 6-week intensive summer workshop under the supervision of Professors Vincent Mulcahy and Alex Mergold.

PROFESSIONAL POSITIONS

2018 - current

OCULIGHT dynamics, Lausanne, Switzerland

Co-Founder & Director of Design

- Typological Study of Health, Velux Group, Denmark
- Research Center for the Smart Living Lab, Fribourg, Switzerland
- Nautiland Pool for Bougyues, Haguenau, France
- Daylight Matrix for WeWork, New York, New York
- Graoni Beach House, Montalba Architects, California
- Co-Working for the Smart Living Lab, Building 2050 Group, Fribourg, Switzerland
- Sevelin 15 for Realstone Group, Lausanne, Switzerland
- Campus I for Audemars Piguet, Les Saignoles, Switzerland
- Campus II for Audemars Piguet, Le Brassus, Switzerland
- Schuco Headquarters Pilot with GXN, Germany

2014 - 2021

Independent Daylight Design Consultant, Lausanne, Switzerland

- Healthy Lighting Presentation for GOOD INC/UPWORTHY, New York, NY
- Campus Expansion, Ecole Hôtelière de Lausanne, Lausanne, Switzerland
- Bugaboo Corporate Headquarters, MSR Architecture, Amsterdam, Netherlands
- Automata Pavilion, TEN x TEN, Chicago, Illinois
- Fribourg Master Plan Competition, DEVspace, Fribourg [\[Honorable Mention in Fribourg Urban Design Competition\]](#)

2011- 2013

Kennedy & Violich Architecture, Boston, MA

Designer & Project Manager (April 2012 – January 2013)

- Minneapolis Riverfront Development Initiative, Minneapolis, MN
- Sunlight Delivery Fixtures for 3M Architectural Markets, Minneapolis, MN
- Bending Wood Vault for the Beaver Country Day School, Boston, MA

Design Consultant (February 2011 – September 2011)

- Solar-Powered Soft Rockers for MIT's 150th Anniversary, Cambridge, MA
- Sunlight Luminaires for 3M Architectural Markets, Minneapolis, MN
- Tozzer Library Renovation, Cambridge, MA

2010

Snøhetta, New York, NY

Intern Architect (May - August)

- Ryerson Univ. SLC, Toronto [\[Award of Excellence by Canadian Architect\]](#)
- SFMOMA Competition, San Francisco, CA

2009

Epiphyte Lab, Ithaca, NY

Intern Architect (January - May)

- HSU Residence Ithaca, NY

- 2004-2008 **MSR Architecture**, Minneapolis, MN & Hyattsville, MD
Intern Architect (Intermittent)
- Urban Outfitters Corporate HQ Philadelphia, PA
 - Farragut Street Row Homes, Hyattsville, MD
- 2005 – 2007 **Cornell Solar Decathlon Team**, Ithaca, NY & Washington D.C.
Architecture Team Co-Leader
- Concept through construction for Cornell's 2007 entry in the U.S. Department of Energy sponsored Solar Decathlon, exhibited (10/2007) on the National Mall in Washington, D.C.
- 2003 **Gensler**, New York, NY
Intern Architect (May - August)
- Thornton Tomasetti Offices, New York, NY

PUBLICATIONS

Books

- 2013 **Rockcastle S.**, Andersen M., *Annual Dynamics of Daylight Variability and Contrast: A Simulation-Based Approach to Quantifying Visual Effects in Architecture*, Springer Brief in Computer Science, London, 2013.
[\[http://infoscience.epfl.ch/record/181819\]](http://infoscience.epfl.ch/record/181819)

- 2011 Research Assistant & Contributor, A. Scott & E. Ben-Joseph. *re: New Town: Adaptive Urbanism & the Low-Carbon Community*, Routledge, New York, 2011.

Invited Book Chapters

- 2019 "Lamps, Luminaires, and Controls" Chapter 15 in *Mechanical and Electrical Equipment for Buildings*, 13th Edition, pp. 699 – 731 by Walter Grondzik and Alison Kwok, Hoboken: Wiley, 2019. [edited chapter through page 731, extended content, and provided multiple new illustrations].

Peer Reviewed Journal Articles (Published)

- 2021 **Rockcastle S.**, Danell M., Calabrese E., Mahic A., Van Den Wymelenberg K., Davis R., Comparing Perceptions of LED Lighting Between a Physical Space and a Virtual Reality Display, *Lighting Research and Technology*, Published online February.
[\[2021\https://journals.sagepub.com/doi/abs/10.1177/1477153521990039\]](https://journals.sagepub.com/doi/abs/10.1177/1477153521990039)
- 2017 Ámundadóttir M.L., **Rockcastle S.**, Sarey Khanie M., Andersen M., *A Human-Centric Approach to Assess Daylight for Non-Visual Health Potential, Visual Interest and Gaze Behavior*, *Building & Environment*, vol 113, February 2017.
[\[https://infoscience.epfl.ch/record/221590?ln=en\]](https://infoscience.epfl.ch/record/221590?ln=en)
- 2016 **Rockcastle S.**, Ámundadóttir M.L., Andersen M., *A Comparison of Contrast-Based Measures for Predicting Perceptual Effects of Daylight in Architectural Renderings*, *Lighting Research and Technology* (published online first, April 15, 2016).
[\[https://infoscience.epfl.ch/record/217503\]](https://infoscience.epfl.ch/record/217503)

- 2014 **Rockcastle S.**, Andersen M., *Measuring the Dynamics of Contrast and Light Variability in Architecture: A Proof of Concept Methodology*, Building and Environment, vol 81, November 2014, 320-333.
[<http://infoscience.epfl.ch/record/199718>]
- Peer Reviewed Conference Articles
- 2021 J. McLaughlin, M. Young and **S. F. Rockcastle**. *Fine-grained measurement of the indoor built environment with robotic vacuum cleaners*, Building Simulation 2021, Bruges, Sept. 1-3, 2021 [Accepted with Minor Revision].
- 2021 M. Danell, S. L. Hartmeyer, L. Petterson, M. Andersen, R. Davis, **S. F. Rockcastle**. *The Impact of Light and Furniture Distribution on Healthy Light Exposure in an Office*, Building Simulation 2021, Bruges, Sept. 1-3, 2021 [Accepted with Minor Revision].
- 2021 A. Satumane and **S. F. Rockcastle**. *A Pilot Study on the Contextual and Environmental Factors Influencing Window Shading Preference*, ARCC 2021: Performative Environments, Virtual Tucson, April 7-10, 2021.
- 2020 **Rockcastle S.**, Danell M., L. Petterson, Ámundadóttir M.L., *The Impact of Behavior on Healthy Circadian Light Exposure Under Daylight and Electric Lighting Scenarios*, ACEEE Summer Study on Energy Efficiency in Buildings 2020, Pacific Grove, Aug 16 – 21, 2020.
- 2020 Danell M., Ámundadóttir M.L., **Rockcastle S.**, *Evaluating Temporal and Spatial Light Exposure Profiles for Typical Building Occupants*. SimAUD - Symposium on Simulation for Architecture and Urban Design, Vienna, May 22-24, 2020. **[Best Paper Award]**
- 2019 **Rockcastle S.**, Ámundadóttir M.L., Andersen M., *The case for occupant-centric daylight analytics: a comparison of horizontal illuminance and immersive view*. Proceedings of IBPSA 2019 conference, Rome, Sept. 2-4, 2019.
- 2018 **Rockcastle S.**, Ámundadóttir M.L., Andersen M., *OCUVIS: A web-based visualizer for simulated daylight performance in buildings*. SimAUD - Symposium on Simulation for Architecture and Urban Design, Delft, June 4-7, 2018.
- 2017 **Rockcastle S.**, Ámundadóttir M.L., Andersen M., *An Experiment in Virtual Reality to Measure Daylight Driven Interest in Rendered Architectural Scenes*, Proceedings of IBPSA 2017 conference, San Francisco, August 7-9, 2017.
[<https://infoscience.epfl.ch/record/227407?ln=en>]
- 2017 **Rockcastle S.**, Chamilothori K., Andersen M., *A Simulation-Based Workflow to Assess Human-Centric Daylight Performance*, SimAUD - Symposium on Simulation for Architecture and Urban Design, Toronto, May 22-24, 2017.
[<https://infoscience.epfl.ch/record/227406>]

- 2016 **Rockcastle S.**, Ámundadóttir M.L., Andersen M., *Predicting Visual Interest in Daylit Architectural Renderings: An Experimental Simulation-Based Approach*, SimAUD 2016 - Symposium on Simulation for Architecture and Urban Design, London, May 14-16, 2016. [<http://infoscience.epfl.ch/record/215977>]
- 2016 Pastore L., Rastogi P., **Rockcastle S.**, Monari H., Rueff G., Andersen M., *Assessing the impact of contemporary urbanization on bioclimatic features of historic architecture through a two-step simulation process*, PLEA 2016 - Symposium on Passive and Low Energy Architecture, Los Angeles, July 11-13, 2016 [<https://infoscience.epfl.ch/record/218598>]
- 2015 **Rockcastle S.**, Andersen M., *Human Perceptions of Daylight Composition in Architecture: A Preliminary Study to Compare Quantitative contrast Measures with Subjective User Assessments in HDR Renderings*, Proceedings of IBPSA 2015 International Building Performance Simulation Association conference, Hyderabad, India, December 7 – 9, 2015. [<http://infoscience.epfl.ch/record/209191>]
- 2013 Andersen M., Guillemain A., Amundadóttir M. & **Rockcastle S.**, *Beyond illumination: An interactive simulation framework for non-visual and perceptual aspects of daylighting performance*, Proceedings of IBPSA 2013 – International Building Performance Simulation Association conference, Chambéry, France, August 26-30, 2013. [<http://infoscience.epfl.ch/record/188744>]
- 2013 **Rockcastle S.**, Andersen M., *Celebrating Contrast & Daylight Variability in Contemporary Architectural Design: A Typological Approach*, Proceeding to LUX EUROPA, Krakow, September 17-19, 2013. [<http://infoscience.epfl.ch/record/186396>]
- 2012 **Rockcastle S.**, Andersen M., *Dynamic Annual Metrics for Contrast in Daylit Architecture*, Proceedings of SimAUD 2012, Orlando, March 26-30, 2012. [<http://infoscience.epfl.ch/record/175191>] [[Best Paper Award](#)]
- Edited Conference Proceedings*
- 2019 (Editor & General Chair) **Rockcastle S.**, Rakha T., Cerezo Davila C., Papanikolaou, D., Zakula T. (Eds.). SimAUD 2019 Proceedings, Society for Modelling & Simulation, April 7-9, Georgia Tech, Atlanta, USA. 400 pages.
- 2018 (Editor & Scientific Chair) Rakha T., Turrin M., Macumber D., Meggers F., **Rockcastle S.** (Eds.). SimAUD 2018 Proceedings, Society for Modelling & Simulation, June 4-7, TU Delft, Netherlands. 352 pages.
- White Papers*
- 2019 Ward P., **Rockcastle S.**, Klein J., Van Den Wymelenberg K. *The Impact of Lighting and Views on The Workplace of The Future*. Published online August 12, 2019. [<https://buildhealth.uoregon.edu/2019/08/12/university-of-oregon-publishes-white-paper-on-light-views-and-the-workplace-experience/>]

Project Reports

- 2019 Virtual Lighting Design, Final Report issued to Nuckolls Fund for Lighting Education, **Rockcastle S.** and K. Van Den Wymelenberg, September 2019.
- 2019 PDX Airport Visual Comfort Study, Report #1 issued to ZGF Architects, **Rockcastle S.**, Mahic A., and Van Den Wymelenberg K., September 2019.
- 2018 Knight Campus, University of Oregon, Daylighting and Glare report #2 issued to Ennead, Bora Architects, and UO CPFM, **Rockcastle S.**, Mahic A., Nezamdoost A., Van Den Wymelenberg K., March 2018.
- 2018 Knight Campus, University of Oregon, Daylighting and Glare report #1 issued to Ennead, Bora Architects, and UO CPFM, **Rockcastle S.**, Mahic A., Nezamdoost A., Van Den Wymelenberg K., February 2018.

GRANTS (\$319,000 as PI/Co-PI since joining UO in 12/2017)

- 2021 *PNNL Research Grant on Circadian Lighting & Visual Comfort*, \$66,000 to support a simulation-based study on the impacts of visual comfort on circadian light exposure using the WELL standard, subaward from DOE SSL through PNNL [PI]
- 2020 *Francis Bronet Innovation Award*, \$4,500 to support the Motivation/Function, Comfort, Arousal and Behavioral Response in the Built Environment Using Virtual Reality and Biofeedback Sensing, with Associate Professor Kyu-Ho Ahn, College of Design, University of Oregon [Co-PI]
- 2020 *PNNL Research Grant on Perception in Virtual Reality*, \$95,000 to support an experimental study on the impact of VR display type on the perception of LED lighting, subaward from DOE SSL, University of Oregon [PI]
- 2019 *ZGF Visual Comfort Study*, \$26,000 to analyze shading systems for a confidential project in Portland, University of Oregon [PI]
- 2019 *PNNL Research Grant on Perception in 2D & 3D Displays*, \$75,000 to support a pilot study comparing perceptions of electric light in real and virtual environments, subaward from DOE SSL, University of Oregon [PI]
- 2018 *Lutron White Paper*, \$10,000 to develop a white paper on daylight and views in the workplace, University of Oregon [Co-PI]
- 2018 *Knight Campus Visual Comfort Analysis*, \$22,500 of internal funds to analyze exterior glazing and shading screens for glare risk, University of Oregon [Co-PI]
- 2018 *Nuckolls Fund Grant*, \$20,000 to develop a new course on 'Virtual Lighting Design' w/ Kevin Van Den Wymelenberg, Zach Suchara, Nathaniel Jones, and Naomi Miller, University of Oregon [PI]
- 2017-2018 *InnoSeed Venture Grant*, 26,000 CHF for OCULIGHT interface, EPFL, Lausanne [PI]
- 2017 *InnoSeed Explorer Grant*, 20,000 CHF for OCULIGHT interface, EPFL, Lausanne [PI]

2013-2018 *Velux Stiftung Research Fellowship*, 350,000 CHF to support Doctoral and Post-Doc, EPFL, Lausanne [Key-Personnel]

EXHIBITIONS & ANIMATIONS

2015 *The Dynamics of Shadow: Architecture of Natural Light in Extreme Latitudes*, Animation for the 'Dynamics of Darkness in the North', Reykjavik, Iceland

2012 *Dynamic Daylight*, Department of Archit., Northeastern University, Boston, MA

2011 *Cloud Canopy*, Kennedy & Violich Architecture & 3M, Saint Paul, MN

2011 *Soft Rockers*, Kennedy & Violich Architecture & MIT, Cambridge, MA

BOARDS & COMMITTEES

2021-current Design Committee, Dept. of Architecture, University of Oregon

2020-current Graduate Studies Committee, Dept. of Architecture, University of Oregon

2018-current Board Member, SimAUD Steering Committee

2018-current PhD Committee, Department of Architecture, University of Oregon

2020-2021 TTF Search Committee, Sch. of Civil & Construction Eng., Oregon State Univ.

2021 Scientific Committee Member, CAAD Futures

2015, 2016-2021 Scientific Committee Member, SimAUD

2019-2020 TTF Search Committee, Dept. of Architecture, University of Oregon

2018-2020 Equity & Inclusion Committee, College of Design, University of Oregon

2019 Places Oregon Prize Selection Committee, College of Design, U of Oregon

2018-2019 John Reynolds Symposium: Education by Design, Organizing Comm., Eugene

2018-2019 General Chair of Organizing Committee, SimAUD 2019 Conference, Atlanta

2018 Cavin Travelling Fellowship Selection Committee, Cal Poly, Ponomo

2017-18 Scientific Chair of Organizing Committee, SimAUD 2018 Conference, Delft

2017-18 Scientific Committee Member, ACADIA

2018-2019 Communications & Recruitment Committee, College of Design, Univ. of Oregon

2018 Scholarship Committee, Society of Building Science Educators

2018 Faculty Representative, Cavin Travelling Fellowship, UO & Cal Poly

2016-17 President of the Contour Journal Association, Lausanne

2015 Advisory Board, EHL Campus Expansion, Lausanne

AWARDS & FELLOWSHIPS

2021 *ARCC New Researcher Award*, selected by the ARCC Board of Directors

2020 *Best Paper Award*, SimAUD 2020 conference, Vienna Virtual due to COVID-19

2020 *Francis Bronet Innovation Award*, College of Design, University of Oregon

2019 *2nd Place in Latrobe Prize*, Recognized by the Jury, FAIA, Denver

2018 *2nd Prize for OCULIGHT dynamics*, 'LePrix StartUp Durable', Les Temps, Switzerland

2018 *Special Distinction for PhD Thesis*, Recognized by the Doctoral School, EPFL

2014-2018 *Velux Research Fellowship*, 100% PhD & Post Doc funding, Velux Stiftung, Zurich

2015	<i>Honorable Mention</i> , Fribourg urban design competition, Fribourg
2013	<i>Architizer A+ Finalist</i> , Architecture & Learning, Soft Rocker, KVA matX
2013	<i>Architizer A+ Special Mention</i> , Architecture & Fab, Beaver Wood Vault, KVA
2012	<i>Best Paper Award</i> , SimAUD 2012 conference, Orlando
2011-2012	<i>Teaching Fellowship</i> , School of Architecture, Northeastern
2011	<i>SMArchS Thesis Prize</i> , for 'Daylight Variability and Contrast-Driven Arch. Effect,' MIT
2011	<i>Award of Excellence</i> , Ryerson SLC, Snøhetta, Canadian Architect
2010-2011	<i>Samuel A. Marx Fellowship</i> , full tuition award for outstanding scholastic merit, MIT
2010	<i>Holcim Forum Student Poster Selection</i> , for 'channels for learning', MIT
2008	<i>Alpha Rho Chi Bronze Medal</i> , for leadership and professional merit, Cornell
2008-2009	<i>Robert James Eidlitz Traveling Fellowship</i> , energy infrastructure Iceland, Cornell
2007	<i>Lifecycle Building Challenge</i> , Hon. Mention C. Lambur, K. Pratt & D. Cupkova, Cornell
2007	<i>AIA NYS Student Design Award</i> , for 'growing Gibraltar,' Cornell
2004	<i>First Place Baird Prize</i> , for 'pop-up cinema' in 1 st year design competition, Cornell

INVITED LECTURES, WORKSHOPS, & PUBLIC PRESENTATIONS

2021	<i>Evaluating the Environment with Domestic Robots: a Passive Approach to Fine-Grained Analysis</i> , w/ Joseph McLaughlin, Build Health 2021, Virtual.
2021	<i>Lighting Design & Research in Virtual Reality</i> , Lighting R&D Workshop, Virtual, co-sponsored by the IES and U.S. Department of Energy
2020	<i>Factors in Daylight Analysis</i> , w/ Kevin Van Den Wymelenberg, at Pacific Gas & Electric (PG&E) [Virtual], San Francisco.
2020	<i>Electric Lighting Simulation for Circadian Health & Energy</i> , w/ Lisa Petterson at Build Health 2020, Virtual.
2019	<i>Current Trends in Daylighting Lecture</i> , w/ Kevin Van Den Wymelenberg at Pacific Gas & Electric (PG&E), San Francisco.
2019	<i>Virtual Lighting Design</i> , Build Health 2020, Portland [virtual due to pandemic]
2019	<i>Simulating the Experience of Daylight in Buildings</i> , OMSI Science Pub Eugene
2019	<i>Human-Centric Lighting</i> , SRG Architects, Portland
2019	<i>Putting the Design Back into Daylighting Design Workshop</i> , w/ Kevin Van Den Wymelenberg at Pacific Gas & Electric (PG&E), San Francisco.
2019	<i>Image-Based Human-Centric Daylight Assessment Workshop</i> , w/ Richard Mistrick (Penn State) and Kevin Van Den Wymelenberg at LIGHTFAIR International, PA.
2019	<i>Lighting Perception in VR</i> , Department of Energy LED R&D Annual Meeting, Washington D.C

- 2019 *Human-Centric Daylight Performance, MIT Spring Lecture Series in the Building Technology Path, Boston*
- 2018 *Designing Health in the Built Environment, w/ Kevin Van Den Wymelenberg at Oregon Institute of Occupational Health at OHSU, Portland*
- 2018 *Public Lecture Series, Cal Poly Pomona Spring Lecture Series, Pomona 2018*
- 2018 *Simulating Circadian Lighting Workshop, w/ Aicha Diakite, Frederic Rudawski, and Jon Sargent at SimAUD 2018, Delft*
- 2018 *Invited Presentation of VR Research, TVA Architects, Portland*
- 2017 *Human-Centric Lighting Workshop, w/ Maria Amundadottir at SimAUD 2017, Toronto*
- 2017 *Invited Presentation of Simulation Work, w/ Maria Amundadottir at Snohetta, NYC*
- 2017 *Virtual Reality in Daylighting, w/ Kynthia Chamilothoni at the Velux Daylight Symposium, Berlin*
- 2016 *Current Research on Visual Interest, Invited speaker at Transsolar Research Days, Stuttgart*
- 2016 *Daylight Perception in Architecture, Invited speaker at NBBJ, San Francisco*
- 2016 *Current Research, Invited speaker at MSR digibaag lunch talks, Minneapolis*
- 2016 *Daylight Perception in Architecture, Invited speaker at KADK, Royal Danish Academy of Fine Arts, Copenhagen*

THESIS COMMITTEES

PhD Theses

- 2019 Sadiqa Al Awadh, Comprehensive Exam Committee Chair, University of Oregon
 2020 Hooman Parhizkar, Comprehensive Exam Committee Chair, University of Oregon
 2021 Anupam Satumane, Supervisor & Exam Committee Member, University of Oregon

Master Theses

- 2019 Denise Blankenberger, Master Thesis Committee, MSc, University of Oregon
 2021 Sohrab Ghasemi, Master Thesis Committee, MSc, University of Oregon
 2022 (expected) Selorm Fiati, Master Thesis Committee, MSc, University of Oregon

Undergraduate Theses

- 2021 Hannah Gerton, Honors College Thesis Supervisor, BArch, University of Oregon
 2021 Marin Nagel, Honors College Thesis Supervisor, BArch, University of Oregon