

CURRICULUM VITAE

University of Nebraska

NAME: Kevin G. Van Den Wymelenberg

RANK OR TITLE: Dean and Professor with Tenure

DEPARTMENT: College of Architecture

OFFICE LOCATION:

210 Architecture Hall

University of Nebraska

400 Stadium Dr, Lincoln, NE 68508

OFFICE PHONE: 402.472.9212

EMAIL: kevinvdw@unl.edu

WEB: architecture.unl.edu

Social:

Twitter: [@wymelenberg](https://twitter.com/wymelenberg)

Instagram: [@wymelenberg](https://www.instagram.com/wymelenberg)

HIGHLIGHTS:

1. Currently: Dean and Professor, College of Architecture, University of Lincoln
2. Awarded over \$39.18M in externally funded research and outreach (2004-present).
3. Secured over \$1.4M in gifts to support research and teaching.
4. 100+ publications (including 3 books, 1 chapter, 40 peer-reviewed journal papers, 33 full peer-reviewed conference papers; 12 abstract peer-reviewed conference papers; one "editors pick" article, one "most read" article, three "best conference papers", two "top ten most cited articles", one "featured article").
5. Over 285 invited lectures, (including 50 international and 122 national invitations).
6. Featured in popular press including: New York Times, Washington Post, Good Morning America, CBS This Morning, National Public Radio, BBC World News, Huffington Post, Washington Post, Wall Street Journal, Wired Magazine, Architect Magazine, WebMD, Axios
7. *"Federal Testimony" June 2019, U.S. House of Representatives, Committee on Transportation and Infrastructure, Subcommittee on Economic Development, Public Buildings, and Emergency Management.*
8. U.S. Patents Pending, U.S. Patent Application No. 29/763,467, U.S. Patent Application No. 29/763,469
9. University of Oregon, Provost's Faculty Excellence Award, 2021.
10. University of Oregon, Research Innovation Award, 2021.
11. University of Oregon, COVID-19 Research Innovation Award, 2020.
12. University of Oregon Sustainability Award for Campus Operations, 2019.
13. *Presidential Support*, 2018-19, Institute for Health in the Built Environment, \$158,000; University of Oregon, Presidential Excellence Fund; To: Kevin G. Van Den Wymelenberg, 2018-2019.
14. Northwest Energy Efficiency Alliance Leadership in Energy Efficiency Award for Innovation, 2017.
15. Five AIA COTE Top 10 Building Awards, more than 40 USGBC LEED rated buildings: supporting role for daylighting and energy consulting.
16. University of Idaho Presidents' Mid-Career Award, 2015-2017.
17. Idaho Business Review's Accomplished Under 40 Award, Idaho Business Review, 2011.
18. Governor's Award for Pollution Prevention and Sustainable Practices, State of WA, as a member of the BetterBricks Daylighting Lab, University of Washington; 2004.

DATE OF FIRST EMPLOYMENT AT University of Oregon: 06/2015

DATE OF TENURE: 1/5/2023; University of Nebraska
12/15/2015; University of Oregon
7/1/2013; University of Idaho

DATE OF RANK OR TITLE:

1/2023; tenured, dean and professor, University of Nebraska
9/2019; tenured, professor, University of Oregon
12/2015; tenured, associate professor; University of Oregon
06/2015; tenure track, associate professor; University of Oregon
07/2013; tenured, associate professor; University of Idaho
07/2009; tenure track, assistant professor; University of Idaho
03/2004; non-tenure track, assistant professor; University of Idaho

HIGHER EDUCATION:

Degrees:

1. *PhD*, University of Washington, Seattle, WA, 09/2006–07/2012, Built Environments.
 - a. *Sustainable Systems and Prototypes*
 - b. *Computational Design and Research*
2. *Master of Architecture*, University of Washington, Seattle, WA, 09/2000–12/2002.
 - a. *Architectural Studies in Rome Program*
 - b. *Lighting Certificate Program*
3. *Bachelor of Science in Architectural Studies*, University of Wisconsin-Milwaukee, Milwaukee, WI, 08/1996–05/2000, Architecture.
 - a. Minor in Art History
 - b. Certificate in Urban Planning
 - c. Architectural Studies Program in Paris at L'Ecole Speciale d'Architecture

Certificates and Licenses:

1. Lighting Certificate, University of Washington, 2002
2. Certificate in Urban Planning, University of Wisconsin-Milwaukee, 2000
3. Minor in Art History, University of Wisconsin-Milwaukee, 2000

ACADEMIC EXPERIENCE:**Teaching, Extension and Research Appointments:**

- *Professor (tenured); Department of Architecture, University of Oregon; 9/2019 – 1/2023*
 - *Director, Institute for Health in the Built Environment (IHBE), Eugene and Portland, OR; 02/2018 – 10/2022.*
 - *Director, Biology and Built Environment (BioBE) Center; 07/2018 – 10/2022.*
 - *Co-Director, University of Oregon, Biology and Built Environment (BioBE) Center; 05/2016 – 06/2018.*
 - *Director; Energy Studies in Buildings Laboratory (ESBL), Eugene and Portland, OR; 06/2015 – 10/2022.*
 - *Adjunct Associate Professor, University of Idaho, Department of Mechanical Engineering; 06/2015 – 10/2022.*
- *Associate Professor (tenured); Department of Architecture, University of Oregon; 12/2015 – 8/2019.*
 - *Associate Professor (tenure track); Department of Architecture, University of Oregon; 06/2015 – 12/2015.*
- *Associate Professor (tenured); Department of Architecture, University of Idaho; 07/2013-06/2015.*
 - *Director, University of Idaho, Integrated Design Lab (UI-IDL), Boise, ID; 03/2004 – 06/2015.*
 - *Joint Faculty Appointment, Idaho National Laboratory, Center for Advanced Energy Studies (CAES); 07/2012 – 06/2015.*
- *Assistant Professor (tenure track); Department of Architecture, University of Idaho; 07/2009 – 06/2013.*
 - *Assistant Professor (non-tenure track); Lab Director, University of Idaho, Department of Architecture; UI-IDL, Boise, ID; 03/2004 – 06/2009.*
- *Teaching Assistant, University of Washington, Seattle, WA, Passive Control Systems, Arch 598c (3cr.); High Performance Building Design, Arch 598d (3cr.); Spring 2008.*
- *Research Associate - Resident Daylighting Consultant, University of Washington, Seattle, WA; 12/2001 – 3/2004.*
 - *Research Assistant - Intern Daylighting Consultant, University of Washington, Seattle, WA; 9/2000 – 12/2001.*

Major Academic Administrative Appointments:

1. *Associate Dean of Research & Facilities, College of Design, University of Oregon, 05/2022-1/2023.*
 - *Interim Associate Dean of Facilities, College of Design, University of Oregon, 1/2022-5/2022.*
2. *Director, School of Architecture and Environment, University of Oregon, 05/2022-1/2023.*
 - *Interim Director; School of Architecture and Environment, University of Oregon, 09/2021 – 05/2022.*
 - *Interim Director; Historic Preservation Program, University of Oregon, 04/2022-1/2023.*
3. *Interim Head; Department of Architecture, University of Oregon, 07/2017 – 01/2018.*

Other Academic Administrative Appointments:

4. *Member, Provost's Environment Initiative Committee, University of Oregon, 09/2019 - 1/2023.*
5. *Member, Industry Engagement Working Group, University of Oregon, 09/2019 - 1/2023.*
6. *Member, University of Oregon Climate Action Plan, 09/2017-1/2023.*
7. *Member; PhD Working Group, Department of Architecture, University of Oregon, 09/2015-1/2023.*
8. *Chair, Diversity Equity Inclusion Justice Committee, College of Design, University of Oregon, 11/2021-9/2022.*

9. *Member*, Strategic Planning Working Group, Department of Architecture, University of Oregon, 09/2021 - 06/2022.
10. *Member*, Vice President for Research and Innovation Search Committee, University of Oregon, 12/2019 – 06/2020; 9/2021-4/2022.
11. *Member*, Senate, University of Oregon, AY 2021-22.
12. *Member*, NAAB Accreditation Working Group, University of Oregon, Department of Architecture, 09/2019-09/2021.
13. *Co-Chair/Member*, University Faculty Personnel Committee, University of Oregon, Co-Chair AY 2020-21, Member AY 2019-20.
14. *Member*, UO VPRI Innovation Partnership Services, Mentor Network Catalyst Search Committee, 06/2021-09/2021
15. *Member*, UO CPM Director of Utilities and Energy Search Committee, 06/2020-09/2021
16. *Member*, Oregon 21 steering group, University of Oregon, 03/2019-03/2020.
17. *Member*, Department Head search steering committee, Department of Architecture, University of Oregon, 9/2020-12/2020.
18. *Member*, Department Faculty Search Committee, University of Oregon, AY 2019-20.
19. *Member*, Provost Search Committee, University of Oregon, 04-06/2019.
20. *Member*, Research Advisory Board; Office of the Vice President for Research and Innovation, University of Oregon, AY 2016-17, AY 2017-18, and Chair of CHEP Review Subcommittee, AY 2018-19.
21. *Member*, Portland Faculty Review Committee, University of Oregon, 01/2018 – 06/2019.
22. *Member*, School of Architecture and Environment Communications Committee, University of Oregon, 01/2018 – 09/2018.
23. *Member*, Academic Affairs Committee; School of Architecture and Allied Arts, University of Oregon, 09/2015 – 06/2017.
24. *Member*, Department Faculty Search Committee, University of Oregon, AY 2016-2017.
25. *Member*, Conflict of Interest in Research Committee, University of Oregon, 07/2017 – 12/2019.

Tenured 12/15/2015; University of Oregon

26. *University Representative*, Center for Advanced Energy Studies (CAES) – Energy Efficiency Research Institute (CEERI), provide institutional representation and support for multiple energy efficiency research endeavors between the CAES partner institutions including Boise State University, Idaho National Laboratory, Idaho State University and University of Idaho; 10/2010 – 06/2015.

Tenured 7/1/2013; University of Idaho

27. *College of Art & Architecture Representative*; University of Idaho Research Council; Academic Year 2007-2008.
28. *Member*, Facilities Committee, College of Art & Architecture, University of Idaho; 2004-2007.

PROFESSIONAL EXPERIENCE:

1. *Science Advisor*, Poppy Inc., San Francisco, CA; October 2021-present.
2. *Owner*, Taskshade LLC, Eugene, OR; June 2021-present.
3. *Science Advisor*, Enviral Tech Inc., Eugene, OR; August 2020 – January 2022.
4. *Owner*, Duktile LLC, Eugene OR; August 2020-present.
5. *Intern Architect*, McKibben+Cooper Architects, Boise, ID; Summer 2006.

6. *Co-owner*, Northwest Custom Design & Fabrication Inc, Boise, ID; 12/2004 – 06/2006.
7. *Intern Lighting Designer*, Creative Lighting Design and Engineering, Milwaukee, WI; Summer 2000.
8. *Intern Architect*, Berners-Schober Associates Inc, Green Bay, WI; Summer 1997.

HONORS AND AWARDS:

1. Julie Neupert Stott Endowed Chair in Design, College of Design, University of Oregon, May 2021- January 2023.
2. “Provost’s Faculty Excellence Award”, (equivalent, \$26,200), University of Oregon, 2021.
3. “Research Innovation Award”, University of Oregon, 2021.
4. “COVID-19 Research Innovation Award”, (\$1,000), University of Oregon, 2020.
5. “Most Read Article in mSystems Journal”; “Editor’s Pick mSystems Journal”; “Top 10 Most Read Articles in American Society of Microbiology”; 2020. [2019 Novel Coronavirus \(COVID-19\) Pandemic: Built Environment Considerations To Reduce Transmission, mSystems](#); Leslie Dietz, Patrick F. Horve, David A. Coil, Mark Fretz, Jonathan A. Eisen, Kevin Van Den Wymelenberg.
6. “TaskShade” startup funding, \$20,000, Innovation Partnership Services, 2020-2021.
7. “University of Oregon Sustainability Award for Campus Operations”, 2019.
8. “Presidential Support” 2018-19, Institute for Health in the Built Environment, \$158,000; University of Oregon, Presidential Excellence Fund; To: Kevin G. Van Den Wymelenberg, 2018-2019.
9. “Unthank Faculty Excellence Award” 2017-18 Studio Enrichment Award, \$5,000; University of Oregon, Department of Architecture; To: John Rowell, with Kevin G. Van Den Wymelenberg, 2017-2018.
10. “Leadership in Energy Efficiency Award for Innovation”, Northwest Energy Efficiency Alliance Board of Directors, 2017.
11. “Best Paper Award”, Student Division, ASHRAE and IBPSA-USA SimBuild 2016 Building Performance Modeling Conference Proceedings; Paper Title: *Sensitivity study of annual and point-in-time daylight performance metrics: A 24 space multi-year field study*; Authors: Amir Nezamdoost, Kevin G. Van Den Wymelenberg; Salt Lake City, UT; August 8-12, 2016.
12. “2016 International Velux Award for students of architecture”, The Americas Daylight Investigation, World Architecture Festival 2016, Project Title: *Automated Blind Study*; Authors: Amir Nezamdoost, Malak Modaresnezhad, Alen Mahić; Teacher: Kevin Van Den Wymelenberg; Berlin, Germany, November 18, 2016. (<https://vimeo.com/201029341>)
13. “2016 Sustainability Award”, Research Award, University of Oregon; To: Energy Studies and Buildings Laboratory, G.Z. Brown and Kevin G. Van Den Wymelenberg, 2016.
14. “Unthank Faculty Excellence Award” 2016-17 Studio Enrichment Award, \$5,000; University of Oregon, Department of Architecture; To: Kevin G. Van Den Wymelenberg, 2016-2017.

Tenured 12/15/2015; University of Oregon

15. “Presidents’ Mid-Career Award”, University of Idaho, for outstanding scholarship, teaching and engagement, 2015-2017.
16. “Special Recognition”, University of Idaho-Boise, for special contributions through outstanding pedagogy, creative community engagement, and notable research, May 2015.
17. “Featured Paper” in a special issue titled I; Buildings; Paper Title: *Comparing Whole Building Energy Implications of Sidelighting Systems with Alternate Manual Blind Control Algorithms*, Buildings, vol. 5, no.

2, pp. 467–496, May 2015; Christopher Dyke, Kevin G. Van Den Wymelenberg, Ery Djunaedy, and Judith Steciak. (Serving as co-major advisor to Christopher Dyke)

18. “*Top 10 Most Cited*” - Rank 5th most cited, 2nd most viewed; LEUKOS, The Journal of the Illuminating Engineering Society; Paper Title: *A Critical Investigation of Common Lighting Design Metrics for Predicting Human Visual Comfort in Offices with Daylight*, LEUKOS, v. 10, n. 3, pp. 145-164, 2014; Kevin Van Den Wymelenberg, Mehlika Inanici; Citation usage data period: June 25, 2011 - January 12, 2015.
19. “*Top Ten Plus Winner*”, American Institute of Architects, Committee on the Environment, supporting role as consultant to BNIM, Iowa Utilities Board / Office of the Consumer Advocate Office Building, Des Moines, Iowa, 2014. (PI on grant for daylighting and glare post-occupancy consulting)
20. “*Outstanding Contributor Award*”, Idaho National Laboratory Center for Advanced Energy Studies, 2013.

Tenured 7/1/2013; University of Idaho

21. “*Governor’s Commendation*”, State of Idaho, for outstanding service and contributions to the Idaho Strategic Energy Alliance; 2012.
22. “*Best Paper Award*”, Architectural Engineering Division, American Society of Engineering Education 2011 Annual Conference Proceedings; Paper Title: *Using Building Performance Modeling as a Vehicle for Re-Integration*; Authors: Jacob Dunn, Gunnar Gladics, Kevin Van Den Wymelenberg, Ery Djunaedy, Sherry McKibben; Vancouver, British Columbia, Canada; June 26-29, 2011. (PI on grant that supported integrated design studio engagement)
23. “*Accomplished Under 40 Award*”, Idaho Business Review, 2011.
24. “*Top 10 Most Cited*” - Rank 6th most cited, 3rd most viewed; LEUKOS, The Journal of the Illuminating Engineering Society; Paper Title: *The Effect of Luminance Distribution Patterns on Occupant Preference in a Daylit Office Environment*; Authors: Kevin G. Van Den Wymelenberg, Mehlika Inanici, Peter Johnson, LEUKOS, v.7, n.2, pp. 103-122, October 2010; Citation usage data period: June 25, 2011 - January 12, 2015.
25. “*Best Paper Finalist*”, Passive and Low Energy Architecture 2009 Annual Conference Proceedings; Paper Title: *A Study of Luminance Distribution Patterns and Occupants’ Preferences in Daylit Offices*; Authors: Kevin Van Den Wymelenberg, Mehlika Inanici; Québec City, Canada; June 2009.
26. “*Richard Kelly Grant*”, Illuminating Engineering Society of North America, \$5,000; 2008.
27. “*Doctoral Fellowship*”, University of Washington, PhD in the Build Environment, \$32,650 tuition stipend + \$16,000 in fellowship awards; 2006-2008.
28. “*Robert E. Thunen Memorial Scholarship*”, Thunen Scholarship Fund, Illuminating Engineering Society of North America, \$6,500; 2007-2008.
29. “*Edison Price Fellowship*”, Nuckolls Fund for Educational Lighting, \$10,000; 2007-2008.
30. “*Lighting Design Alliance Scholarship*”, International Association of Lighting Designers, \$2,500; 2007.
31. “*Top Ten Winner*”, American Institute of Architects, Committee on the Environment, supporting role as consultant to Bohlin Cywinski Jackson while at UW BetterBricks Daylighting Lab, for Ballard Library and Neighborhood Center, Seattle, WA, 2006.
32. “*Top Ten Winner*”, American Institute of Architects, Committee on the Environment, supporting role as consultant to Mahlum Architects while at UW BetterBricks Daylighting Lab, for Ben Franklin Elementary School, Kirkland, WA, 2006.
33. “*Governor’s Award for Pollution Prevention and Sustainable Practices*”, State of WA, while at UW BetterBricks Daylighting Lab, University of Washington; 2004.

34. *“Top Ten Winner”*, American Institute of Architects, Committee on the Environment, supporting role as consultant to the Miller Hull Partnership while at UW BetterBricks Daylighting Lab, for Pierce County Environmental Services Building, University Place, WA, 2004.
35. *“Agent of Change Training Fellow”*, University of Oregon Agents of Change Training Program; January 2003.
36. *“Theodore Reid Scholarship”*, University of Washington, Department of Architecture, \$5,000; Autumn 2001.
37. *“Floyd Narramore Fellowship”*, University of Washington, Department of Architecture, \$3,500; Autumn 2000.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization:

1. Indoor air and environmental quality, and human health outcomes
2. Indoor microbiome and pathogen transmission
3. Architectural acoustical performance
4. Integrated design practices to promote energy efficiency
5. Daylighting design and analysis techniques and practices
6. Building technology and comfort systems
7. Architectural and engineering research methods
8. Building performance simulation practices

Courses Taught:

University of Oregon, 2015-2023

1. Graduate Technical Elective – Building Health, 4cr, Arch 410/510, Winter 2020, Winter 2021
2. Intermediate Architectural Design Studio, 6cr, Arch 485/584, co-taught with Judith Sheine), Fall 2019
3. Graduate Architectural Design, 6cr, Arch 683, Fall 2018, Fall 2021
4. Environmental Control Systems II, 4cr, Arch 492/592, Spring 2016, Spring 2018
5. Environmental Control Systems I, 4cr, Arch 491/591, (co-taught with Alison Kwok, Winter 2018)
6. Graduate Technical Elective – Daylighting, 3-4cr, Arch 495/595, Spring 2019, Spring 2021
7. Graduate Technical Elective – Design the UnSeen, 2-4cr, Arch 4/507, (advisory capacity to Mark Fretz in Portland, Spring 2018).
8. Graduate Technical Elective – Campus Impact: Optimizing Comfort and Saving Energy in Buildings, 3-4cr, Arch 410/510, Spring 2017
9. Intermediate Architectural Design Studio, 6cr, Arch 485/584, Fall 2016
10. Graduate Technical Elective – High Dynamic Range Photography for Daylighting Design and Analysis, 3-4cr, Arch 410/510, Winter 2015

University of Idaho, 2004-2015

11. Daylight Design and Simulation, 3cr, Arch 573, Fall 2004, 2005, 2007, 2008, 2010, Spring 2012-2015
12. Building Performance Simulation for Integrated Design, 3cr, Arch 504b, Spring 2004, 2005
13. Building Case Studies, 1cr, Arch 504a, Fall 2004, 2005, 2007
14. Comprehensive Design Studio, 5cr, Arch 553, Fall 2006, 2008, (advisory capacity to Sherry McKibben and Jacob Dunn, Spring 2012)
15. Integrated Design Seminar, 1cr, Arch 572, Fall/Spring, 2004 – 2015
16. Non-thesis Research, (1-9 cr), Arch 599, Fall/Spring, 2011-2015
17. Directed Study, (1-3 cr), Arch 502, Fall/Spring 2014-2015

University of Washington, 2002-2003

18. Measurement and Meaning in Architecture, 3cr, Arch 598c, (co-taught with Chris Meek, Spring 2002, Winter 2003.

Students Advised:

Undergraduate Students:

Currently advising – undergraduate honors thesis:

1. Liliana Barnatan, Clark Honors College, Biology, University of Oregon, 01/2022 – present

Graduate Students:

Currently advising - major or co-major professor:

2. Leslie Dietz, Doctorate in Architecture, University of Oregon, 09/2021 – present

Advised to completion of degree – major or co-major professor:

1. Hooman Parhizkar, Doctorate in Architecture, University of Oregon, 06/2019 – 03/2022
3. Sohrab Ghasemi, Master of Science in Architecture, University of Oregon, 09/2019 – 06/2021
2. Denise Blankenberger, Master of Science in Architecture, University of Oregon, 2017-2019
3. L. Damon Woods, Doctorate of Mechanical Engineering, University of Idaho, 2013-2018
4. Shrief Elsayed Shrief, Master of Engineering, University of Idaho, 2013-2016
5. Tyler Noble, Master of Engineering, University of Idaho, 2015-2016
6. Amir Nezamdoost, Master of Science in Architecture, University of Idaho, 2013-2015
7. Carlos Duarte, Master of Engineering, University of Idaho, 2011-2013
8. Christopher Dyke, Master of Engineering, University of Idaho, 2011-2013

Served or serving on graduate committee:

1. Anupam Satumane, Doctorate in Architecture, University of Oregon, 2020-present
2. Maria Coronado Cabrera, Doctorate in Architecture, University of Oregon, 2020-present
3. Aurora Ginzburg, Doctorate of Chemistry, University of Oregon, 2017-2019
4. M. Isabel Rivera, Doctorate in Architecture, University of Oregon, 2017-2019
5. Amir Nezamdoost, pursuit of Doctorate in Architecture, University of Oregon, 2016-2018
6. Belal Abboushi, Doctorate in Architecture, University of Oregon, 2015-2018
7. Robin Gates, Master of Science in Architecture, University of Idaho, 2011-2013
8. Julia Day, Master of Arts in Interior Design, Washington State University, 2010-2011
9. Melissa Britt, Master of Science in Architecture, University of Idaho, 2008

Courses Developed:

Building Health: Arch 4/595, 3-4cr (Winter 2020, redesign Winter 2021)

Daylighting: Arch 4/595, 3-4cr (redesign Spring 2019)

Graduate Architectural Design, Mass Timber Healthcare, 6cr, Arch 683, (Fall 2021)

Graduate Architectural Design, Light, Health, Energy: Center for Mental Health, 6cr, Arch 683, (Fall 2018)

Environmental Control Systems II, Arch 492/592, 4cr (redesign, Spring 2018)

Design the UnSeen: Arch 4/507, 2-4cr (advisory capacity to Mark Fretz, Spring 2018)

Campus Impact: Optimizing Comfort and Saving Energy in Buildings, Arch 410/510, 3-4c (Spring 2017)

Intermediate Architecture Design Studio, Health + Energy, Arch 484/584, 6cr (Fall 2016)

High Dynamic Range Photography for Daylighting Design and Analysis, Arch 410/510, 3-4cr (Winter 2015)

Daylight Design and Simulation, Arch 573, 3cr (Fall 2004, redesign Fall 2010)

Integrated Design Seminar, Arch 572, 1cr (Fall 2004)

Comprehensive Design Studio, Arch 553, 6cr (advisory capacity to McKibben & Dunn, Spring 2012)

Building Performance Simulation for Integrated Design, Arch 574 / ME 474, 3cr (Spring 2004)

SCHOLARSHIP ACCOMPLISHMENTS:

For purposes of this CV, first author generally indicates the primary author, and final author generally indicates the principal investigator (PI) author. In some cases, authorship is alphabetical by disciplinary convention. In cases of multiple PI authors, authorship nearer to the end of the list generally indicates increased degrees of leadership of the paper. However, this is not always the case given that my research includes collaborations across many disciplines including architecture, interior design, engineering, microbiology, computer science, and others, and these fields sometimes have their own authorship conventions. Therefore, to facilitate interpretation of contributions I have indicated student authors that I mentored or co-mentored with **(S)**, and for externally funded projects, the tenure related PI and Co-I authors are indicated with **(PI)** or **(Co-I)** accordingly.

Publications: (updated 9/1/2022)**In Progress (not submitted): (updated 9/1/2022)**

1. *Impacts of low-income home weatherization programs on the indoor microbiome*; Gwynne A. Mhuireach, M. Breed, M. Browning, G. Cil, Suzanne Ishaq, Ashkaahn Fahimipour, Jason Stenson, Dale Northcutt, Deb Johnson-Shelton **(Co-I)**, Kevin G. Van Den Wymelenberg **(PI)**.
2. *Garden soil bacteria transiently colonize skin after direct soil contact*; Gwynne A. Mhuireach **(PI)**, Kevin G. Van Den Wymelenberg, G. Langellotto.
3. *View Dynamism*; Sohrab Ghasemi **(S)**, Siobhan Rockcastle, Kevin G. Van Den Wymelenberg.
4. *Integrated Multi-modal Environmental Surveillance: A case study of a dormitory with occupants diagnosed with COVID-19*; Andreas Olsen-Martinez, Leslie Dietz, Patrick Horve, Hooman Parhizkar, Jason Stenson, ... TBD..., Kevin G. Van Den Wymelenberg.
5. *Exploring Integrated Environmental Viral Surveillance of Indoor Environments: A comparison of surface and bioaerosol environmental sampling in hospital rooms with patients diagnosed with COVID-19*; Leslie Dietz, David A. Constant, Mark Fretz, Patrick F. Horve, Andreas Olsen-Martinez, Jason Stenson, Andrew Wilkes, Robert G. Martindale **(Co-I)**, William B. Messer **(Co-I)**, Kevin G. Van Den Wymelenberg **(PI)**.
 - a. Preprint Published: [Exploring Integrated Environmental Viral Surveillance of Indoor Environments: A comparison of surface and bioaerosol environmental sampling in hospital rooms with COVID-19 patients](#); MedRxiv, March 26, 2021; Leslie Dietz, Patrick F. Horve, Mark Fretz, David A. Constant, Andrew Wilkes, John M. Townes, Robert G. Martindale **(Co-I)**, William B. Messer **(Co-I)**, Kevin G. Van Den Wymelenberg **(PI)**.
6. *Luminaire Level Lighting Controls Replacement vs Redesign Comparison Study*; Alen Mahic, Jeff Kline, Dale Northcutt, and Kevin G. Van Den Wymelenberg **(PI)**.
 - a. Preprint Published: [Luminaire Level Lighting Controls Replacement vs Redesign Comparison Study](#); Northwest Energy Efficiency Alliance, September 3, 2020; Alen Mahic, Jeff Kline, Dale Northcutt, and Kevin G. Van Den Wymelenberg **(PI)**.
7. *Impact of wood perception of transient and steady state indoor thermal environments*; Jason Stenson, Denise Blankenberger **(S)**, Mark Fretz, and Kevin G. Van Den Wymelenberg **(PI)**.
8. *Antimicrobial chemicals shape the resistome of bacteria, fungi and viruses indoors*; Patrick F. Horve, Jeff Kline, Erica Hartmann, ... , and Kevin G. Van Den Wymelenberg **(PI)**.
9. *Acoustic performance of novel cross-laminated timber and mass plywood panel floor and wall assemblies*. Jason Stenson, Mark Fretz, T. Dale Northcutt, Tobin Cooley, and Kevin G. Van Den Wymelenberg **(PI)**.
10. *Indoor bioremediation: experimental investigation of indoor CO₂ removal and resultant predictive models of cognitive function*; Hooman Parhizkar **(S)**, Mark Fretz, Kevin G. Van Den Wymelenberg **(PI)**.

11. *Combining Weather Forecasts with Energy Models to Guide Radiant HVAC Controls*, Damon Woods (S), Ralph Budwig, John Gardner, Kevin G. Van Den Wymelenberg, Elizabeth Cooper.

Currently Under Review: (updated 9/1/2022)

1. *Characterizing indoor plant microbiomes and their ability to transfer and persist on human skin*; Gwynne A. Mhuireach, Ashkaan K. Fahimipour, Roo Vandegrift, Mario E. Muscarella, Roxanna Hickey, Ashley C. Bateman (S), , Kevin G. Van Den Wymelenberg (PI), Brendan J.M. Bohannon – (In Review: Environmental Microbiomes).
 - a. Preprint Published: [Moving microbes: the dynamics of transient microbial residence on human skin](#); BioRxiv, March 26, 2019; Roo Vandegrift, Ashkaan Fahimipour, Ashley Bateman (S), Mario Muscarella, Ashkaan Fahimipour, Kevin G. Van Den Wymelenberg (PI), and Brendan Bohannon.
2. *A Novel VOC Breath Tracer Method to Evaluate Indoor Respiratory Exposures in the Near- and Far-fields*; Hooman Parhizkar(S), Mark Fretz, Aurelie Laguerre, Jason Stenson, Richard L. Corsi (Co-I), Kevin G. Van Den Wymelenberg (PI, Corresponding Author), Elliott T. Gall (Co-I) – (In Review: Journal of Exposure Science).
 - a. Preprint Published: [A novel VOC breath tracer method to evaluate indoor respiratory exposures in the near-and far-fields](#); ResearchSquare, March 11, 2022; Hooman Parhizkar(S), Mark Fretz, Aurelie Laguerre, Jason Stenson, Richard L. Corsi (Co-I), Kevin G. Van Den Wymelenberg (PI, Corresponding Author), Elliott T. Gall (Co-I)

Peer-reviewed Books: (updated 9/1/2022)

1. *Daylight Design in the Pacific Northwest*, University of Washington Press; Christopher Meek, Kevin Van Den Wymelenberg, October 2012. (Single-blinded peer-review)

Non-peer-reviewed Books: (updated 9/1/2022)

1. *Transforming Architecture: A Festschrift in Honor of Professor G.Z. "Charlie" Brown*, University of Oregon, Editors: Kevin Van Den Wymelenberg, Kent Duffy, Michael Hatten, Ron Kellett, Gwynne Mhuireach (S), July 2017.

Tenured 12/15/2015; University of Oregon

2. *Daylighting and Integrated Lighting Design*, Routledge, Christopher Meek and Kevin Van Den Wymelenberg, October 2014.

Peer-reviewed Book Chapters: (updated 9/1/2022)

1. *Critical Capability Needs for Reduction of Transmission of SARS-CoV-2 Indoors*; Frontiers Chapter in e-book: Morse, S. A., Pillai, S. P., Qiu, J., Huang, Y.-W., eds. (2021). [Biosafety and Biosecurity Approaches to Counter SARS-CoV-2: From Detection to Best Practices and Risk Assessments](#). Lausanne: Frontiers Media SA. doi: 10.3389/978-2-88971-483-4
 - a. Previously published: [Critical Capability Needs for Reduction of Transmission of SARS-CoV-2 Indoors](#); Frontiers in Bioengineering and Biotechnology, September 29, 2021, Jayne B. Morrow, Aaron Packman, Kenneth F. Martinez, Kevin G. Van Den Wymelenberg, Darla Goeres, Delphine K. Farmer, Jade Mitchell, Lisa Ng, Yair Hazi, Monica Schoch-Spana, Sandra Quinn, William Bahnfleht, Paula Olsiewski. (Double-blinded peer-review).

Non-peer-reviewed Book Chapters: na

Peer-reviewed Journal Articles: *(updated 9/1/2022)*

1. *Toward Integrating Numeric Disease Transmission Risk in Energy Codes and Ventilation Standards*; (accepted in-press) The Bridge, National Academy of Engineering, Fall 2022; Hooman Parhizkar, Alen Mahic, Kevin G. Van Den Wymelenberg (PI). (Invited, open review).
2. [Evaluating Fomite Risk of Brown Paper Bags Storing Personal Protective Equipment Exposed to SARS-CoV-2: A Quasi-Experimental Study](#); PLOS ONE, August 26, 2022; Kyirsty Unger, Leslie Dietz(S), Patrick Horve(S), Kevin G. Van Den Wymelenberg (Co-I), Amber Lin, Erin Kinney, Bory Kea (PI). (Double-blinded peer review).
 - a. Preprint Published: [Evaluating Fomite Risk of Brown Paper Bags Storing Personal Protective Equipment Exposed to SARS-CoV-2: A Quasi-Experimental Study](#); medRxiv, February 8, 2022, Kyirsty Unger, Leslie Dietz(S), Patrick Horve(S), Kevin G. Van Den Wymelenberg (Co-I), Amber Lin, Erin Kinney, Bory Kea (PI).
3. [Longitudinal Analysis of Built Environment and Aerosol Contamination Associated with Isolated COVID-19 Positive Individuals](#); Scientific Reports, May 5, 2022; Patrick Horve, Leslie Dietz, Garis Bowles(S), Georgia MacCrone, Andreas Olsen-Martinez, Dale Northcutt, Vincent Moore(S), Liliana Barnatan(S), Hooman Parhizkar(S), Kevin G. Van Den Wymelenberg (PI, Corresponding Author). (Double-blinded peer-review).
 - a. *Published Previously:* [Longitudinal Analysis of Built Environment and Aerosol Contamination Associated with Isolated COVID-19 Positive Individuals](#), ResearchSquare, August 31, 2021, P Patrick Horve, Leslie Dietz, Garis Bowles(S), Georgia MacCrone, Andreas Olsen-Martinez, Dale Northcutt, Vincent Moore(S), Liliana Barnatan(S), Hooman Parhizkar(S), Kevin G. Van Den Wymelenberg (PI, Corresponding Author).
4. [Quantifying Environmental Mitigation of Aerosol Viral Load in a Controlled Chamber With Participants Diagnosed With Coronavirus Disease 2019](#); Clinical Infectious Diseases, January 6, 2022; Hooman Parhizkar (S), Leslie Dietz (S), Andreas Olsen-Martinez, Patrick Horve, Liliana Barnatan, Dale Northcutt, Kevin G. Van Den Wymelenberg (PI, Corresponding Author). (Single-blinded peer-review).
 - a. *Published Previously:* [Quantifying human and environmental viral load relationships amidst mitigation strategies in a controlled chamber with participants having COVID-19](#); ResearchSquare, September 29, 2021, Parhizkar (S), Leslie Dietz (S), Andreas Olsen-Martinez, Patrick Horve, Liliana Barnatan, Dale Northcutt, Kevin G. Van Den Wymelenberg (PI, Corresponding Author)
5. [Evaluation of a Bioaerosol Sampler for Indoor Environmental Surveillance of Severe Acute Respiratory Syndrome Coronavirus 2](#); Plos One, November 15, 2021; Patrick F. Horve, Leslie Dietz, Dale Northcutt, Jason Stenson, Kevin G. Van Den Wymelenberg (Corresponding Author, PI). (Single-blinded peer-review).
 - a. *Published Previously:* [Evaluation of a Bioaerosol Sampler for Indoor Environmental Surveillance of Severe Acute Respiratory Syndrome Coronavirus 2](#); PrePrints, March 23, 2021; Patrick F. Horve, Leslie Dietz, Dale Northcutt, Jason Stenson, Kevin G. Van Den Wymelenberg (Corresponding Author, PI).
6. [A Quantitative Risk Estimation Platform for Indoor Aerosol Transmission of COVID-19](#); Risk Analysis, October 28, 2021; Hooman Parhizkar (S), Kevin G. Van Den Wymelenberg (Corresponding Author), Charles N. Haas, Richard L. Corsi. (Single-blinded peer-review).

- a. *Published Previously: [A quantitative risk estimation platform for indoor aerosol transmission of COVID-19](#); MexRxiv, March 9, 2021; Hooman Parhizkar (S), Kevin G. Van Den Wymelenberg (Corresponding Author) Charles N. Haas, Richard L. Corsi.*
 - b. Online risk estimation portal and graphic user interface available at: www.safeairspace.com
7. [Differing effects of four building materials on surface microbial communities and VOCs](#); Developments in the Built Environment, July 2021, V.7. n.100055, Gwynne A. Mhuireach (Corresponding Author), Patrick W. Horve, Willem Griffiths(S), Aurelie Laguerre(S), T. Dale Northcutt, Roo Vandegrift, Elliott Gall (Co-I), and Kevin G. Van Den Wymelenberg (PI).
8. [Identification of SARS-CoV-2 RNA in Healthcare Heating, Ventilation, and Air Conditioning Units; Indoor Air](#); June 29, 2021; Patrick F. Horve, Leslie Dietz, Mart Fretz, David A. Constant, Andrew Wilkes, John M. Townes, Robert G. Martindale (Co-I), William B. Messer, Kevin G. Van Den Wymelenberg (PI). (Single-blinded peer-review).
 - a. *Published Previously: [Identification of SARS-CoV-2 RNA in Healthcare Heating, Ventilation, and Air Conditioning Units](#); MedRxiv, June 28, 2020; Patrick F. Horve, Leslie Dietz, Mart Fretz, David A. Constant, Andrew Wilkes, John M. Townes, Robert G. Martindale (Co-I), William B. Messer, Kevin G. Van Den Wymelenberg (PI).*
9. [Intensity and ratios of light affecting perception of space, co-presence and surrounding context, a lab experiment](#); Building and Environment, v.194, May 2021; Mette Hvass (S), Kevin G. Van Den Wymelenberg, Sebastian Boring, Katherine Hansen. (Double-blinded peer-review).
10. [Comparing perceptions of a dimmable LED lighting system between a real space and a virtual reality display](#); Lighting Research and Technology, February 2021; Siobhan Rockcastle (PI), Megan Danell (S), Evon Calabreses(S), G Sollom-Brotherton(S), Alen Mahic, Kevin G. Van Den Wymelenberg (Co-I), Robert Davis (PI). (Double-blinded peer-review).
11. [Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) Environmental Contamination and Childbirth](#); Green Journal Obstetrics & Gynecology, V.136 I.4 P.827-829; October 2020, Amy Hermes, Patrick F. Horve, Alison Edelman (Co-I), Leslie Dietz, David Constant, Mark Fretz, William B. Messer (Co-I), Robert Martindale (Co-I), Kevin G. Van Den Wymelenberg (PI, Corresponding Author). (Double-blinded peer-review).
12. [Evaluating Volatile Organic Compound Emissions from Cross-Laminated Timber Bonded with a Soy-Based Adhesive](#); Buildings, 10 (11), 191; October 2020; Michael Yauk, Jason Stenson, Micah Donor, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review).
13. [Viable bacterial communities on hospital window components in patient rooms](#), PeerJ, July 2020; Patrick F. Horve, Leslie G. Dietz, Suzanne L. Ishaq, Jeff Kline, Mark Fretz, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review).
14. [2019 Novel Coronavirus \(COVID-19\) Pandemic: Built Environment Considerations To Reduce Transmission](#); mSystems 5:e00245-20, April 7, 2020; Leslie Dietz, Patrick F. Horve, David A. Coil, Mark Fretz, Jonathan A. Eisen (Co-I), Kevin Van Den Wymelenberg (PI); mSystems . (Most Read Article in mSystems Journal in 2020; Editor's Pick mSystems 2020; Top 10 Most Read Articles in 2020 American Society of Microbiology). (Editor-review).
 - a. *Published Previously: [2019 Novel Coronavirus \(COVID-19\) Pandemic: Built Environment Considerations To Reduce Transmission](#); PrePrints, March 10, 2020; Leslie Dietz, Patrick F. Horve, David A. Coil, Mark Fretz, Jonathan A. Eisen (Co-I), Kevin Van Den Wymelenberg (PI).*

15. [Assessing the visual comfort, visual interest of sunlight patterns, and view quality under differential window conditions in an open-plan office](#); LEUKOS, 2020; Belal Abboushi (S), Ihab Elzeyadi, Kevin G. Van Den Wymelenberg, Richard Taylor, Margaret Sereno, Grant Jacobsen. (Double-blinded peer-review).
 - a. *Published Previously: Do visually interesting sunlight patterns impact occupants' perceived glare in daylight offices?*, in Illuminating Engineering Society Light + Human Health: Circadian, Biological + Behavioral, 2018 IES Research Symposium, April 8-10, 2018, Atlanta, GA; Belal Abboushi (S), Ihab Elzeyadi, Kevin Van Den Wymelenberg, Grant Jacobsen. (Single-blinded peer-review).
16. [Lessons learned from implementing night ventilation of mass in a next-generation smart building](#); Energy and Buildings, v.207 (January 2020), 109547, Gwynne Mhuireach, G.Z. Brown, Jeff Kline, Dristi Manandhar (S), Max Moriyama (S), Dale Northcutt, Isabel Rivera(S), and Kevin G. Van Den Wymelenberg (PI). (double-blinded peer review).
17. [From one species to another: A review on the interaction of chemistry and microbiology in relation to cleaning in the built environment](#); Indoor Air; v.29 i.6, (August 2019); Samantha Velazquez (S), Willem, Griffiths, Leslie Dietz, Patrick Horve (S), Suzi Nunez (S), J. Hu, J. Shen, Mark Fretz, C. Bi, Y. Xu, Kevin G. Van Den Wymelenberg (PI), Erica M. Hartmann (Co-I), Suzanne L. Ishaq. (Double-blinded peer-review).
18. [Building upon current knowledge and techniques of indoor microbiology to construct the next era of theory into microorganisms, health, and the built environment](#); Journal of Exposure Science & Environmental Epidemiology (June 2019); Patrick Horve (S), Savannah Lloyd (S), Gwynne A. Mhuireach, Leslie Dietz, Mark Fretz, Georgia MacCrone (S), Kevin Van Den Wymelenberg (PI), and Suzanne L. Ishaq. (Double-blinded peer-review).
19. [Monitored indoor environmental quality of a mass timber building: a case study](#); Buildings; 9(6): 142, (June 2019); Jason Stenson, Suzanne L. Ishaq, Aurelie Laguerre (S), Andrew Loia (S), Georgia MacCrone (S), Ignace Mugabo (S), Dale Northcutt, Mariapaola Riggio (Co-I), Andre Barbosa (Co-I), Elliott T. Gall (Co-I), Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review).
20. [Antimicrobial chemicals associate with microbial function and antibiotic resistance indoors](#), mSystems 3:e00200; Ashkaan K. Fahimipour, Sarah Ben Maamar, Alexander G. McFarland, Ryan A. Blaustein, Jing Chen, Adam J. Glawe, Jeff Kline, Jessica L. Green (Co-I), Rolf U. Halden (Co-I), Kevin Van Den Wymelenberg (PI), Curtis Huttenhower (Co-I), Erica M. Hartmann (Co-I). (Double-blinded peer-review).
21. [Daylight exposure modulates the structure of microbial communities associated with household dust](#); Microbiome; (2018) 6:175, (October 2018); Ashkaan K. Fahimipour, Erica M Hartmann, Andy Siemens (S), Jeff Kline, David A. Levin, Hannah Wilson, Clarisse M Betancourt-Román, G.Z. Brown, Mark Fretz, Dale Northcutt, Kyla N. Siemens (S), Curtis Huttenhower (Co-I), Jessica L Green (Co-I), and Kevin G. Van Den Wymelenberg (PI). (double-blinded peer review).
22. [Assessment of human exposure to triclocarban, triclosan, and five parabens in U.S. indoor dust using dispersive solid phase extraction followed by liquid chromatography tandem mass spectrometry](#); Journal of Hazardous Materials; v. 360, pp 623-630, (August 2018); Jing Chen, Erica Hartmann, Jeff Kline, Kevin Van Den Wymelenberg (PI), Rolf Halden (PI). (double-blinded peer review).
23. *How monitoring CLT buildings can remove market barriers and support designers in North America: An introduction to preliminary environmental studies*, Portuguese Journal of Structural Engineering; rpee, series 3, no. 7 (July 2018); Evan L. Schmidt (S), Mariapaola Riggio (PI), Paul F. Laleicke (Co-I), Andre R. Barbosa (Co-I), Kevin G. Van Den Wymelenberg (PI).

- a. Published Previously: *How monitoring CLT buildings can remove market barriers and support designers in North America: An introduction to preliminary environmental studies*, CLEM + CIMAD 2017 Conference, May 17-19, 2017; Evan L. Schmidt (S), Mariapaola Riggio (PI), Paul F. Laleicke (Co-I), Andre R. Barbosa (Co-I), Kevin G. Van Den Wymelenberg (PI). (single-blinded peer-review).
 24. *Assessing the energy and daylighting impacts of human behavior with window shades, a life-cycle comparison of manual and automated blinds*, Automation in Construction, v. 92, pp.133-150, (2018); Amir Nezamdoost (S), Alen Mahić, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review).
 25. *Cleanliness in context: reconciling hygiene with a modern microbial perspective*, Microbiome, v. 5, n. 1, pp. 76-88, July 14, 2017; Roo Vandegrift, Ashley C Bateman (S), Kyla N Siemens (S), May Nguyen (S), Hannah E Wilson, Jessica L Green (Co-I), Kevin G Van Den Wymelenberg (PI), Roxana J Hickey. (Double-blinded peer-review)
 - a. Published Previously: *Cleanliness in context: reconciling hygiene with a modern microbial perspective*, BioRxiv, December 20, 2016; Roo Vandegrift, Ashley C Bateman(S), Kyla N Siemens (S), May Nguyen (S), Jessica L Green (Co-I), Kevin G Van Den Wymelenberg (PI), Roxana J Hickey.
 26. *A daylighting field study using human feedback and simulations to test and improve recently adopted annual daylight performance metrics*, Journal of Building Performance Simulation, v.10, n.5-6, pp. 471-483, June 22, 2017; Amir Nezamdoost (S), Kevin G Van Den Wymelenberg (PI). (Double-blinded peer-review).
 - a. *Published Previously: Sensitivity study of annual and point-in-time daylight performance metrics: A 24 space multi-year field study*; ASHRAE and IBPSA-USA SimBuild 2016 Building Performance Modeling Conference Salt Lake City, UT, August 8-12, 2016; Amir Nezamdoost (S), Kevin Van Den Wymelenberg (PI). (Best Paper Award – Student Division; Single-blinded peer-review)
 27. *A pilot daylighting field study: Testing the usefulness of laboratory-derived luminance-based metrics for building design and control*, Building and Environment, v. 113, pp. 78-91; Alen Mahić, Kiara Galicinao (S), Kevin G. Van Den Wymelenberg (PI). (double-blinded peer-review; invited for special issue)
 28. *Revisiting the daylit area: Examining daylighting performance using subjective human evaluations and simulated compliance with the LEED version 4 daylight credit*, LEUKOS, v. 13, n. 2, pp. 107-123, 2017; Amir Nezamdoost (S), Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review)
 - a. *Published Previously: Daylit area revisited: A comparative sensitivity study of daylit area drawings with daylight results from point-in-time and annual simulations*. In IES Annual Conference Proceedings, November 7-10 2015, Indianapolis, ID, Amir Nezamdoost (S), Kevin G. Van Den Wymelenberg (PI). (Single-blinded peer-review)
 29. *Evaluating A New Suite of Luminance-Based Design Metrics for Predicting Human Visual Comfort in Offices with Daylight*, LEUKOS, v. 12, n. 3, pp. 113-138, 2016; Kevin G. Van Den Wymelenberg, Mehlika Inanici. (Double-blinded peer-review)
- Tenured 12/15/2015; University of Oregon**
30. *Comparing Whole Building Energy Implications of Sidelighting Systems with Alternate Manual Blind Control Algorithms*, Buildings, vol. 5, no. 2, pp. 467–496, May 2015; Christopher Dyke (S), Kevin G. Van Den Wymelenberg (PI), Ery Djunaedy, and Judith Steciak. (Selected as “Feature Paper” in Special Issue "Advancements in Daylighting in Buildings"). (Double-blinded peer-review)

- a. *Published Previously: A Contrast of Manual Blind Control Algorithms with Whole-Building Energy Implications*. In IES Annual Conference Proceedings, October 26-29 2013, Huntington Beach, CA, Christopher Dyke (S), Ery Djunaedy, Judith Steciak, Kevin Van Den Wymelenberg (PI). (single-blinded peer-review)
31. *Energy and Demand Implications of Using Recommended Practice Occupancy Diversity Factors Compared to Real Occupancy Data in Whole Building Energy Simulation*, Journal of Building Performance Simulation, 2014, pp. 1-16, (published online 11/5/2014); Carlos Duarte (S), Ralph Budwig, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review)
32. *Visual Comfort, Discomfort Glare, and Occupant Fenestration Control: Developing a Research Agenda*, LEUKOS, v. 10, n. 4, pp. 207-221, 2014; Kevin Van Den Wymelenberg (PI). (Double-blinded peer-review)
33. *A Critical Investigation of Common Lighting Design Metrics for Predicting Human Visual Comfort in Offices with Daylight*, LEUKOS, v. 10, n. 3, pp. 145-164, 2014; Kevin Van Den Wymelenberg, Mehlika Inanici. (Top 10 Most Cited - Rank 5th most cited, 2nd most viewed LEUKOS journal article between 2011.06.25-2015.01.12). (Double-blinded peer-review)
 - a. *Published Previously: Limitations of Common Lighting Metrics for Evaluating Human Visual Comfort in Spaces with Daylight*. In IES Annual Conference Proceedings, October 26-29 2013, Huntington Beach, CA, Kevin Van Den Wymelenberg, Mehlika Inanici. (Single-blinded peer-review)
34. *Revealing occupancy patterns in an office building through the use of occupancy sensor data*. Energy and Buildings, 67, pp.587–595, 2013, Carlos Duarte (S), Kevin Van Den Wymelenberg (PI), Craig Rieger (PI). (Double-blinded peer-review)
 - a. *Published previously: Revealing Occupancy Patterns in Office Buildings Through the Use of Annual Occupancy Sensor Data*. In ASHRAE Annual Conference, June 22-26 2013, Denver, CO, Carlos Duarte (S), Kevin Van Den Wymelenberg (PI), Craig Rieger (PI). (Double-blinded peer-review)

Tenured 7/1/2013; University of Idaho

35. *Evaluating Direct Energy Savings and Market Transformation Effects: A Decade of Technical Design Assistance in the Northwestern USA*, Energy Policy, v.52, pp. 342-353, 2012, Kevin Van Den Wymelenberg (PI), G.Z. Brown (PI), Heather Burpee, Ery Djunaedy, Gunnar Gladics, Jeff Kline, Joel Loveland (PI), Christopher Meek, Harshana Thimmana (S). (Double-blinded peer-review)
 - a. *Published previously: Measuring a Decade of Market Transformation – the Pacific Northwest Integrated Design Lab Network*, American Council for an Energy Efficient Economy 2012 Summer Study on Energy Efficiency in Buildings, August 12-17, 2012, Kevin Van Den Wymelenberg (PI), G.Z. Brown (PI), Joel Loveland (PI). (Double-blinded peer-review)
36. *Patterns of Occupant Interaction With Window Blinds: a Literature Review*, Energy and Buildings, v.51, pp. 165–176, 2012, Kevin Van Den Wymelenberg. (Double-blinded peer-review)
37. *Understanding Controls, Behaviors and Satisfaction in the Daylit Perimeter Office: A Daylight Design Case Study*, Journal of Interior Design, v.37, n.1, pp. 17-34, 2012, Julia Day (S), Judy Theodorson, & Kevin Van Den Wymelenberg. (Double-blinded peer-review)
38. *Oversizing of HVAC System: Signatures and Penalties*, Energy and Buildings, 43(2-3) [2011], 468-475; Ery Djunaedy, Kevin Van Den Wymelenberg (PI), Brad Acker, Harshana Thimmana (S). (Double-blinded peer-review)

39. *The Effect of Luminance Distribution Patterns on Occupant Preference in a Daylit Office Environment*; LEUKOS, v.7, n.2, pp. 103-122, October 2010; Kevin G. Van Den Wymelenberg, Mehlika Inanici, Peter Johnson. (Double-blinded peer-review)
- a. *Published previously: A Study of Luminance Distribution Patterns and Occupants' Preferences in Daylit Offices*, Passive and Low Energy Architecture, Annual Conference Proceedings, June 2009, Québec City, Canada; Kevin Van Den Wymelenberg, Mehlika Inanici. (Finalist, Best Paper) (Double-blinded peer-review)

Non-peer-reviewed Journal Articles (invited): (updated 9/1/2022)

1. *The Benefits of Natural Light*, Architectural Lighting, January 2014, Kevin Van Den Wymelenberg. Available at: http://www.archlighting.com/daylighting/the-benefits-of-natural-light_o.aspx

Tenured 7/1/2013; University of Idaho

2. *Mystery Through Daylight*, Lighting Design + Application, January 2013, Christopher Meek (PI), Kevin Van Den Wymelenberg (PI).
3. *A Guide to Daylighting Success*, Lighting Design + Application, Illuminating Engineering Society of North America, Christopher Meek (PI), Kevin Van Den Wymelenberg (PI), September 2011, Available at: <http://www.ies.org/Ida/hottopics/lre/1.cfm>
4. *Facing the Challenges of Integrated Design and Project Delivery*, Strategic Planning for Energy and the Environment, V28, N1, pp. 69-80, Spring 2008; Amy Hellmund, Kevin Van Den Wymelenberg (PI), Kenneth Baker.
 - a. *Published previously: Facing the Challenges of Integrated Project Delivery*, West Coast Energy Managers Congress, Conference Proceedings, May 2008, Seattle, WA; Amy Hellmund, Kevin Van Den Wymelenberg (PI), Kenneth Baker. (Single-blinded peer-review)
5. *Designing the Lit Environment, Techniques and Technologies for Holistic Lighting Design*, Architectural Lighting, May 2008; Kevin Van Den Wymelenberg (PI).
6. *Daylight Dialect*, Architectural Lighting, March 2008; Kevin Van Den Wymelenberg (PI).
7. *Cracked Rear View: Design for Change*, Column 5, University of Washington, College of Architecture and Urban Planning, 2001; Kevin Van Den Wymelenberg.

Peer-reviewed Conference Papers Proceedings (with full paper review): (updated 9/1/2022)

1. [*A Simulation-Based Approach to Mitigation Disease Transmission Risk from Aerosol Particles in Buildings*](#); 2022 IEEE ANNSIM SIMAUD Symposium on Simulation for Architecture + Urban Design, July 17-19, San Diego, CA; Hooman Parhizkar (S), Siobhan Rockcastle, Mark Fretz, Kevin G. Van Den Wymelenberg (PI).
2. *Open Home Project: Designing Modular Housing and Landscapes for Resilient Communities*; 2020 American Council for an Energy Efficient Economy 2020 Summer Study on Energy Efficiency in Buildings, online; August 17-21, 2020, Paul Ward, Ivan Castro(S), Thomas Fiorelli(S), Mark Fretz, Yekang Ko (Co-I), Jun Hak Lee(Co-I), Kory Russel (Co-I), Carolina da Sivla(S), Kevin Van Den Wymelenberg (PI).
3. *Evaluating the Circadian Experience of Supportive Living Residents*; 2019 Joint CIE NC Canada, CIE NC US with the Council for Optical Radiation Measurements (CORM), October 2019, Ottawa, Canada; Presenter: Paul Ward; Authors: Sandra Byers (S), Delaney Hetrick, Jeff Kline, Dale Northcutt, Paul Ward, Drew Olguin (S), Emma Schumacher (S), Estefania Valdivia (S), Kevin G. Van Den Wymelenberg (PI).

4. *Comparing Lighting Perceptions between Real Space and Virtual Reality; 5th CIE Expert Symposium on Colour and Visual Appearance, April 20-24, 2020, Hong Kong, Japan; Megan Danell (S), Alen Mahic, Robert Davis (PI), Kevin Van Den Wymelenberg (Co-I), Siobhan F. Rockcastle (PI).*
5. *A Case Study Comparison of Energy Savings and Occupant Comfort for a Luminaire Level Lighting Controls One-For-One Replacement in an Open-Office Environment; in Illuminating Engineering Society Annual Conference 2019, August 8-10, 2019, Louisville, Kentucky; Alen Mahic, Jeff Kline, Dale Northcutt, Kevin G. Van Den Wymelenberg (PI).*
6. *The Impact of Lighting and Views on the Workplace of the Future, in Illuminating Engineering Society Annual Conference 2019, August 8-10, 2019, Louisville, Kentucky; Paul Ward, Siobhan Rockcastle, Jeff Kline, Kevin G. Van Den Wymelenberg (PI).*
7. *Preliminary investigation of helium diffusion sampling for monitoring of indoor volatile organic compounds; Proceedings of Indoor Air 2018, Philadelphia, PA, July 2018; Aurelie Laguerre (S), Jason Stenson, Kevin G. Van Den Wymelenberg (PI), Elliott T. Gall (Co-I).*
8. *Visual Effects of Wood on Thermal Perception of Interior Environments; in Architectural Research Centers Consortium 2019 Annual Conference, May 29- June 1, 2019, Toronto, Canada; Denise Blankenberger (S), Jason Stenson, Mark Fretz, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review).*
9. *A Human Factors Study to Update a Recently Proposed Manual Blind Use Algorithm for Energy and Daylight Simulations, in IECON 2018 the 44th Annual Conference of the IEEE Industrial Electronics Society, October 21-23, 2018, Washington DC; Amir Nezamdoost (S), Alen Mahic, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)*
10. *Developing a Process for Continuous Commissioning, in IECON 2018 the 44th Annual Conference of the IEEE Industrial Electronics Society, October 21-23, 2018, Washington DC; Paul Ward (S), David Ward, Mike Hatten, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)*
11. *Do visually interesting sunlight patterns impact occupants' perceived glare in daylit offices?, in Illuminating Engineering Society Research Symposium on Light + Human Health, April 8-10, 2018, Atlanta, GA; Belal Abboushi (S), Ihab Elzeyad, Kevin Van Den Wymelenberg, Grant Jacobsen. (Single-blinded peer-review)*
12. *Blindswitch 2017: Proposing A New Manual Blind Control Algorithm for Daylight and Energy Simulation, In Illuminating Engineering Society Annual Conference Proceedings, August 10-12, 2017, Portland, OR; Amir Nezamdoost (S), Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)*
13. *Optimizing Economizer Operation by Virtual Commissioning through Remote Co-Simulation, In Building Simulation 2017 Conference Proceedings, August 7-9, San Francisco, CA; Damon Woods (S), Tyler Noble (S), Brad Acker, Ralph Budwig, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review)*
14. *Can we use smartphone-imaging sensors as low cost luminance mapping tools to support design processes, integrated lighting system control and human factors research?. In IES Annual Conference Proceedings, October 23-25 2017, Orlando, FL; Krysten Gormly (S), Alen Mahić, Kevin Van Den Wymelenberg (PI). (single-blinded peer-review)*
15. *Metered Energy Efficiency Transaction Structure in Ultra-Efficient New Construction: Pay-For-Performance at the Bullitt Center in Seattle, WA, American Council for an Energy Efficient Economy 2016 Summer Study on Energy Efficiency in Buildings, Asilomar, CA; August 21-26, 2016, Terry Egnor, Denis Hayes, John Jennings, David Rodenhizer, Howard Reichmuth, Kevin Van Den Wymelenberg (PI), Christopher Meek (PI). (Double-blinded peer-review)*

16. *Simulation on Demand for Deep Energy Retrofits*, American Council for an Energy Efficient Economy 2016 Summer Study on Energy Efficiency in Buildings, Asilomar, CA; August 21-26, 2016; L. Damon Woods (S), Alen Mahić, Kevin Van Den Wymelenberg (PI), John Jennings, Jeff Cole. (Double-blinded peer-review)
17. *Improving the Accuracy of Measurements in Daylit Interior Scenes using High Dynamic Range Photography*, Passive and Low Energy Architecture (PLEA) 2016 Conference, Los Angeles, CA, July 11-13, 2016, J. Alstan Jakubiec, Kevin G. Van Den Wymelenberg, Mehlika Inanici, Alen Mahić. (Double-blinded peer-review)
18. *Accurate Measurement of Daylit Interior Scenes using High Dynamic Range Photography*, CIE (International Commission on Illumination) 2016 Lighting Quality and Energy Efficiency Conference, Melbourne, Australia, March 3-5, 2016, J. Alstan Jakubiec, Kevin G. Van Den Wymelenberg, Mehlika Inanici, Alen Mahić. (Double-blinded peer-review)

Tenured 12/15/2015; University of Oregon

19. *Towards an Integrated Framework for Predicting Visual Comfort Conditions from Luminance-based Metrics in Perimeter Daylit Spaces*. In 14th International Conference of the International Building Performance Simulation Associate, Building Simulation 2015, December 7-9, 2015, Hyderabad, India, J. Alstan Jakubiec, Christoph Reinhart, Kevin G. Van Den Wymelenberg. (Double-blinded peer-review)
20. *A comparative study of spatial daylit area drawings with annual climate-based simulation using multiple manual blind control patterns, and point in time simulation*, 2015 ASHRAE Energy Modeling Conference: Tools for Designing High Performance Buildings, October 2015, Atlanta, GA; Amir Nezamdoost (S), Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)
21. *Annual Energy and Daylight Impacts of Three Manual Blind Control Algorithms*. In IES Annual Conference Proceedings, November 2-4 2014, Pittsburgh, PA; Amir Nezamdoost (S), Alen Mahić, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)
22. *Merging the Power of Simulation with the Simplicity of a Spreadsheet: Heat Pump Efficiency Calculator*, American Council for an Energy Efficient Economy 2014 Summer Study on Energy Efficiency in Buildings, August 17-22, 2014, Jacob Dunn, Katrina Leichliter, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review)
23. *Targeted Calibration of Energy Model*, ASHRAE 2014 Annual Conference, June 28-July 2 2014, Seattle, WA; Ery Djunaedy, Kevin G. Van Den Wymelenberg (PI). (Double-blinded peer-review)
24. *Toward Resolving Discomfort Glare from Vertical Fenestration*. In IES Annual Conference Proceedings, October 26-29 2013, Huntington Beach, CA, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)

Tenured 7/1/2013; University of Idaho

25. *Plug Load Energy Profiles and Energy Saving Interventions in Office Environments*, American Council for an Energy Efficient Economy 2012 Summer Study on Energy Efficiency in Buildings, August 12-17, 2012, Brad Acker, Kevin Van Den Wymelenberg (PI). (Double-blinded peer-review)
26. *Simulation-Based Daylighting Design Education and Technical Support*, Building Simulation 2011 Annual Conference Proceedings, November 14-16 2011, Sydney, Australia; Kevin Van Den Wymelenberg (PI), Christopher Meek (PI). (Double-blinded peer-review)
27. *Rightsizing: Using Simulation Tools to Solve the Problem of Oversizing*, Building Simulation 2011 Annual Conference Proceedings, November 14-16 2011, Sydney, Australia; Ery Djunaedy, Kevin Van Den Wymelenberg (PI), Harshana Thimmana (S). (Double-blinded peer-review)

28. *Using Building Performance Modeling as a Vehicle for Re-Integration*, American Society of Engineering Education 2011 Annual Conference Proceedings, June 26-29, 2011, Vancouver, British Columbia, Canada; Jacob Dunn, Gunnar Gladics, Kevin Van Den Wymelenberg, Ery Djunaedy, Sherry McKibben. (Best Paper – Architectural Engineering Division). (Double-blinded peer-review)
29. *Demand Control Ventilation: Lessons from the Field - How to Avoid Common Problems*, 2011 ASHRAE Winter Conference Proceedings, Jan-Feb 2011, Las Vegas, NV; Brad Acker, Kevin Van Den Wymelenberg (PI), Ery Djunaedy. (Double-blinded peer-review)
30. *61 Flavors of Daylight*, American Council for an Energy Efficient Economy, Summer Study Conference Proceedings, August 2010, Pacific Grove, CA; Mudit Saxena, Lisa Heschong (PI), Kevin Van Den Wymelenberg, Seth Wayland. (Double-blinded peer-review)
31. *Heliodon: Automated and Integrated*, American Solar Energy Society, Annual Conference Proceedings, July 2006, Denver, CO; Kevin Van Den Wymelenberg (PI), Craig Cornwall, Adam Stoelting. (Double-blinded peer-review)
32. *Daylighting Lab Operations and Management Plan*, American Solar Energy Society, Annual Conference Proceedings, May 2006; Kevin Van Den Wymelenberg (PI), Joel Loveland, Christopher Meek. (Double-blinded peer-review)
33. *The Seattle Justice Center, Visual Comfort*, American Solar Energy Society, 33rd Annual Conference Proceedings, Portland, OR, July 11-14 2004; Kevin Van Den Wymelenberg, Joel Loveland (PI), Christopher Meek. (Double-blinded peer-review)

Peer-reviewed Conference Papers (with abstract review): (updated 9/1/2022)

1. *Shut the front door: seasonal patterns in window operation drive fungal and bacterial community dissimilarity between indoor and outdoor air*; in Indoor Air Conference, July 22-27, 2018, Philadelphia, PA; Roo Vandegrift, Suzanne L. Ishaq, Jeff Kline, Ashkaan Fahimipour, Jason Stenson, Ryann Crowley, Hannah Wilson, Dale Northcutt, Erica Hartmann, Deborah Johnson-Shelton (Co-I), G.Z. Brown (PI), Jessica Green (Co-I), Kevin Van Den Wymelenberg (Co-I). (Single-blinded peer-review)
2. *Microscopic roommates: the biological sources of indoor air bacteria of single-family homes in Portland, Oregon*; in Indoor Air Conference, July 22-27, 2018, Philadelphia, PA; Suzanne L. Ishaq, Roo Vandegrift, Jeff Kline, Ashkaan Fahimipour, Jason Stenson, Ryann Crowley, Hannah Wilson, Dale Northcutt, Erica Hartmann, Deb Johnson-Shelton (Co-I), G.Z. Brown (PI), Jessica Green (Co-I), Kevin Van Den Wymelenberg (Co-I). (Single-blinded peer-review)
3. *Antibiotic resistance and antimicrobial chemicals In the built environment*, In Ecological Society of America (ESA) Conference, August 6-11, 2017, Portland, OR; Erica Hartmann, Roxana Hickey, Tiffany Hsu (S), Jing Chen (S), Clarisse M. Betancourt Román, Adam J. Glawe (S), Jeff Kline, Kevin Van Den Wymelenberg (PI), G.Z. (Charlie) Brown (Co-I), Rolf U. Halden (Co-I), Curtis Huttenhower (Co-I), Jessica L. Green (Co-I). (Single-blinded peer-review)
4. *Improving Lifeguard Visibility in Aquatics Facilities by Minimizing Glare*, poster and paper in Illuminating Engineering Society Annual Conference Proceedings, August 10-12, 2017, Portland, OR; Denise Blankenberger (S), Rachel Bergseteren Strange (S), Achyuthan Ramaswamy (S), Alen Mahic, Kevin G. Van Den Wymelenberg (PI). (Single-blinded peer-review)
5. *A Comparative Study on Toplighting Strategies in an Academic Building*, poster and paper in Illuminating Engineering Society Annual Conference Proceedings, August 10-12, 2017, Portland, OR; Amir Nezamdoost

(S), Rachel Cui (S), Alen Mahić, Joel Mbala-nkanga (S), Haley Nelson (S), Kevin G. Van Den Wymelenberg (PI) (Single-blinded peer-review)

6. *TaskShade™ Prototype Development & Field Tests on University of Oregon Campus*, poster and paper in Illuminating Engineering Society Annual Conference Proceedings, August 10-12, 2017, Portland, OR; Serena Lim (S), Kayla Swanson (S), Gilbert Griffin (S), Marisa Lapin (S), Kevin G. Van Den Wymelenberg (PI). (Single-blinded peer-review)
7. July 2017. Vandegrift, R., A. Fahimipour, J. Kline, A. Manzo, D. Northcutt, J. Stenson, H.E. Wilson, R. Crowley, E. Hartmann, D. Johnson-Shelton (Co-I), G.Z. Brown (PI), J. Green (Co-I), K.G. Van Den Wymelenberg (Co-I). "Impacts of Weatherization on Indoor Fungal Communities." Mycological Society of America Meeting 2017. Athens, GA.

Tenured 12/15/2015; University of Oregon

8. *Analysis of Zero-Net Energy Districts; End Use, Urban Density and Energy Efficiency Prospects*, In iisBE Net Zero Built Environment 2014 Symposium, 17th Rinker International Conference, March 6-7 2014, Gainesville, FL; Ciera L. Shaver (S), Gunnar R. Gladics, Kevin G. Van Den Wymelenberg (PI). (Single-blinded peer-review)

Tenured 7/1/2013; University of Idaho

9. *Using Post Occupancy Evaluation to Refine and Improve Utility Building Efficiency Programs*, World Energy Engineering Congress, Annual Conference Proceedings, December 2010, Washington DC; Gunnar Gladics, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)
10. *A Climate Responsive Design Tool to Promote Passive Low Energy Design*, American Solar Energy Society, Annual Conference Proceedings, May 2009, Buffalo, NY; G.Z. Brown (PI), Kevin Van Den Wymelenberg (PI), Jeff Kline, Ery Djunaedy. (Single-blinded peer-review)
11. *Zero Saving Technologies, Why Commissioning is Needed - M&V Case Studies*, West Coast Energy Managers Congress Annual Conference Proceedings, May 2010, Seattle, WA; Brad Acker, Kevin Van Den Wymelenberg (PI). (Single-blinded peer-review)
12. *Design Lab: Exploring synergies of outreach, research and teaching while innovating classroom design*, American Collegiate Schools of Architecture, Annual Meeting Proceedings, March 2009, Portland, OR; Kevin Van Den Wymelenberg (PI), Jim Coles, Brad Acker, Ery Djunaedy. (Single-blinded peer-review)

Non-peer-reviewed Conference Papers (invited, etc): (updated 9/1/2022)

1. *Using the Time Delay of Radiant Systems to the Grid's Advantage*, EPI's 4th Annual Energy Policy Research Conference, San Francisco, CA, September 4-5, 2014, Damon Woods (S), Kevin Van Den Wymelenberg (PI), John Gardner (PI).
2. *Strategic Energy Management Planning Using Energy Signatures in Commercial Buildings*, EPI's 4th Annual Energy Policy Research Conference, San Francisco, CA, September 4-5, 2014, Shrief Elsayed Shrief (S), Ralph Budwig, Kevin Van Den Wymelenberg (PI).

Tenured 7/1/2013; University of Idaho

3. *Annual Daylight Performance Metrics*, In Building Synapses: Connections in Lighting, IES Annual Conference Proceedings, Minneapolis, MN, November 11-13 2012, Lisa Heschong (PI). & Kevin Van Den Wymelenberg (Co-I).
4. *Retro-Zero: The Cost of Carbon Neutral Existing Buildings*, 2nd Annual Western Energy Policy Research Conference, Boise, ID, August 30-31, 2012, Gunnar Gladics, Julia Day, Kevin Van Den Wymelenberg (PI).
5. *Prioritizing and Visualizing Energy Management and Control System Data to Provide Actionable Information for Building Operators*, Western Energy Policy Research Conference, Boise, ID, August 25-26,

2011; Carlos Duarte (S), Brad Acker, Ray Grosshans, Milos Manic, Kevin Van Den Wymelenberg (PI), Craig Rieger (PI).

Patents: (updated 9/1/2022)

1. U.S. Patent Application No. 29/763,467, Patent Pending, Task Shade Stand, 12/2020.
2. U.S. Patent Application No. 29/763,469, Patent Pending, Task Shade Head, 12/2020.

Other Publications: (updated 9/1/2022)

1. [A Dose of Nature](#) – IES Lighting Design + Application, Kevin G. Van Den Wymelenberg, Alen Mahic, Paul Ward, March 3, 2022.
 - a. Reprinted: <https://betterbricks.com/resources/a-dose-of-nature>
2. *Building Materials and Carbon Guidelines*, Global Workplace Design and Construction, as part of Institute for Health in Built Environment, for Nike, 2022.
3. *Indoor Environmental Quality Guidelines*, Global Workplace Design and Construction, as part of Institute for Health in Built Environment, for Nike, 2021.
4. [“Lives & Livelihoods: the UnSeen Hope to Reopen,”](#) MicroBE.net, Kevin G. Van Den Wymelenberg and Mark Fretz, May 22, 2020.
5. [“Buildings have their own microbiomes – we’re striving to make them healthy places”](#) The Conversation, Kevin G. Van Den Wymelenberg, Leslie Dietz, and Mark Fretz, April 17, 2020.
 - a. Reprinted by Fast Company – April 20, 2020: <https://www.fastcompany.com/90493034/how-architects-can-stop-covid-19-from-being-transmitted-indoors>
 - b. Reprinted by GreenBiz – May 8, 2020: <https://www.greenbiz.com/article/were-striving-make-buildings-and-their-microbiomes-healthy-places>
6. [“The Impact of Lighting and Views on The Workplace of The Future,”](#) Build Health, University of Oregon; P. Ward, S. F. Rockcastle, J. Klein, K. Van Den Wymelenberg, August 12, 2019.
7. [“OHSU Sink Splash Zone Investigation and Behavioral Monitoring on 14K Oncology Unit,”](#) to Oregon Health Sciences University, M. Fretz, J. Stenson, K. Van Den Wymelenberg, June 2019.
8. [“Poynter Middle School, Hillsboro School District, Very High Efficiency Dedicated Outdoor Air System Post-Retrofit Monitoring Results,”](#) Report to Northwest Energy Efficiency Alliance, J. Stenson, K. Van Den Wymelenberg, April 2019.
9. [“Acoustic Lab Testing \(ASTM E492-2016, ASTM E90-2016\) of CLT and MPP Wall and Floor Assemblies for Multi-Family Residential Application,”](#) to TallWood Design Institute, M. Fretz, D. Northcutt, J. Stenson, E. Zagorec-Marks, K. Van Den Wymelenberg, March 2019.
10. [“BetterAir Environmental Probiotic Treatment: Final Report,”](#) to BetterAir USA, P. Horve, G. Mhuireach, J. Stenson, R. Vandergrift, K. Van Den Wymelenberg, December 2018.
11. [“King County, Jameson / ArcWeld Buildings Replacement Project, MEP Laboratory Report,”](#) to MWA Architects, J. Stenson, K. Van Den Wymelenberg, August 2018.
12. [“The Impact of Weatherization on Microbial Ecology and Human Health, Final Report,”](#) to US EPA, C. Betancourt, G. Brown, G. Cil, R. Clemmer, R. Crowley, S. Davidson, A. Fahimipour, M. Fretz, J. Green, E. Hartmann, R. Hickey, S. Ishaq, D. Johnson-Shelton, J. Kline, W. Koelfgen, S. Long, A. Manzo, L. Marion, G. Mhuireach, J. Stenson, S. Swanson, R. Vandegrift, H. Wilson, K. Van Den Wymelenberg, August 2018.
13. [“Knight Campus, University of Oregon, Daylighting and Glare report #2 issued to Ennead, Bora Architects, and UO CPFM,](#) S. Rockcastle, A. Mahic, A. Nezamdoost, K. Van Den Wymelenberg, March 2018.

14. *"Knight Campus, University of Oregon, Daylighting and Glare report #1 issued to Ennead, Bora Architects, and UO CPFM*, S. Rockcastle, A. Mahic, A. Nezamdoost, K. Van Den Wymelenberg, February 2018.
15. *"Changing surface coefficients*, T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, P. Weir August 2017, to Miller Nash Graham & Dunn LLP.
16. *"Report #3 Wärme Und Feuchte Instationär (WUFI) Analysis of PCC Newberg SIP Leakage: Special report for Paul Bennett*," T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, P. Weir August 2017, to Miller Nash Graham & Dunn LLP.
17. *"Tykeson Hall, University of Oregon, Daylighting report issued to Rowell Brokaw Architects, Office 52, and UO CPFM*, K. Van Den Wymelenberg, A. Mahic, A. Nezamdoost, June 2017.
18. *"Newberg Center, Portland Community College, Rebuttal Report to MC Consultants Report Defect Issue Report Building Envelope and SIP Investigation*, T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, P. Weir, June 2017, to Miller Nash Graham & Dunn LLP.
19. *Barbour Residence Heating and Cooling Load v1, v2, v3*, T.D. Northcutt, A. Mahic, K. Van Den Wymelenberg, April 2017, to Living Systems Sustainable Architecture.
20. *Comparison of 2014 Oregon Energy Efficiency Specialty Code Performance to ASHRAE 90.1-2013*, T.D. Northcutt, A. Mahic, K. Van Den Wymelenberg, April 2017, to Oregon Department of Consumer and Business Services.
21. *PCC questions about SIP moisture resistance*, T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, April 2017, to Miller Nash Graham & Dunn LLP.
22. *Report #3 Jefferson Library Energy Modeling*, T.D. Northcutt, G. Z. Brown, G. Mhuireach, K. Van Den Wymelenberg, March 2017, to Rowell Brokaw Architects.
23. *Energy Plus Mid Rise Model Technical Review*, T.D. Northcutt, A. Mahic, and K. Van Den Wymelenberg, February 2017, to Solarc Energy Group.
24. *IR Camera Vignetting*, T.D. Northcutt, D. Blankenberger, and K. Van Den Wymelenberg, January 2017, internal.
25. *Mass temperature at different depths*, T.D. Northcutt, K. Van Den Wymelenberg, December 2016, to Systems West Engineers.
26. *Report #2 Jefferson Library Energy Modeling*, T.D. Northcutt, G. Z. Brown, G. Mhuireach, K. Van Den Wymelenberg, November 2016, to Rowell Brokaw Architects.
27. *Newberg Center, Portland Community College, Report of Investigation of Failure of Roof Assembly*, T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, P. Weir, November 2016, to Miller Nash Graham & Dunn LLP.
28. *City of Springfield CLT Parking Structure report #2 on wind-driven rain field testing*, May, 2016, Ward, P., Kline, J., K. Van Den Wymelenberg.
29. *Report #N Wärme Und Feuchte Instationär (WUFI) Analysis of PCC Newberg SIP Leakage: Climate, Building data, and Physical testing*, T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, P. Weir, October 2016, to Miller Nash Graham & Dunn LLP.
30. *Report #N Wärme Und Feuchte Instationär (WUFI) Analysis of PCC Newberg SIP Leakage: PBS007 with and without nails & PBS 008 with screws*, T.D. Northcutt, G. Z. Brown, J. Stenson, K. Van Den Wymelenberg, P. Weir, October 2016, to Miller Nash Graham & Dunn LLP.
31. *City of Springfield CLT Parking Structure report #1 on wind-driven rain field testing and weather data*, May, 2016, Ward, P., Kline, J., K. Van Den Wymelenberg.

32. *University of Oregon - Internal Energy Conservation Opportunities*. May, 2016, Ward, P., Kline, J., Hatten, M., Brown, G.Z., , K. Van Den Wymelenberg

Tenured 12/15/2015; University of Oregon

33. *Identification of Discomfort Glare Sources From Vertical Fenestration And Occupant Control Strategies*; Technical Report – 130112-01, Illuminating Engineering Society, Submitted 2013.11.15, Released 2014.05.08; Kevin G. Van Den Wymelenberg. (*Open peer-review*)

Tenured 7/1/2013; University of Idaho

34. *Evaluating Human Visual Preference and Performance in an Office Environment Using Luminance-based Metrics*, PhD Dissertation, University of Washington – College of Built Environments, Summer 2012, Kevin Van Den Wymelenberg.
35. *Lighting Measurement #83 (LM-83), Spatial Daylight Autonomy and Annual Sunlight Exposure*, July 2012, Illuminating Engineering Society of North America - Daylight Metrics Committee (Vice Chair). (*Open peer-review*)
36. *Northwest Net Zero Homes: An investigation of Five Homes that Targeted Net Zero Energy Use*. Northwest Energy Efficiency Alliance, Jake Dunn, Gunnar Gladics & Kevin Van Den Wymelenberg, April 1, 2011. Available at: <http://www.northwestenergystar.com/partners/blog/2011/06/08/nw-net-zero-homes-report>
37. *Energy Efficiency and Conservation Task Force Report*, October 2010, Idaho Strategic Energy Alliance Energy Efficiency and Conservation Task Force (Task Force Chair).
38. *Energy Efficiency and Conservation Task Force Report*, June 2009, Idaho Strategic Energy Alliance Energy Efficiency and Conservation Task Force (Task Force Member).
39. *High-Performance Idaho?*, Northwest Energy News + Analysis, nwcurent.com, May, 31, 2006; Kevin Van Den Wymelenberg.
40. *Daylighting Lab Operations & Management Plan*, The Lighting Research Center, Daylight Dividends, Rensselaer Polytechnic Institute, December 2005; Kevin Van Den Wymelenberg, Joel Loveland, Christopher Meek. (*Open peer-review*)
41. *Traces of Light, Silence and Solitude: A Franciscan Hermitage in the North Cascades*, Master's of Architecture Thesis, University of Washington – College of Architecture and Urban Planning, Fall 2002, Kevin Van Den Wymelenberg.

Other Creative Activities: (*updated 9/1/2022*)

1. IHBE YouTube Videos available here: <https://www.youtube.com/channel/UCW3IA2FQCwkkxXf8sBL4kaw>
2. BioBE Vimeo Videos available here: <https://vimeo.com/user22991553>
3. *Know Your Air*; COVIDStraightTalk.com, Kevin G. Van Den Wymelenberg with LastMileWorks and Lupita Montoya, March, 2021.
4. www.safeairspace.com; *online COVID-19 indoor transmission risk estimation platform*, Hooman Parhizkar (S), Richard Corsi, Kevin G. Van Den Wymelenberg
5. *UO IHBE COVID Blueprint to Save Lives AND Restore Livelihoods*; YouTube, Kevin G. Van Den Wymelenberg, Garrett Leaver, Mark Fretz, July, 2020.
6. *COVID-19 Pandemic & Your Home*; YouTube, Kevin G. Van Den Wymelenberg and University of Oregon, April, 2020.
7. *The Good The Bad The Indoor Microbiome*; YouTube, Kevin G. Van Den Wymelenberg and University of Oregon Understood Series, April, 2020.

8. [The Guangzhou Restaurant Outbreak](#); YouTube, Garrett Leaver, Mark Fretz, Kevin G. Van Den Wymelenberg, March, 2020.
9. [Light Box Video](#); Vimeo, Jeff Kline, Delaney Hetrick, F. Curliss, Sue Ishaq, S. Rosenberg, S. Lloyd, M. Zimmerman, Kevin G. Van Den Wymelenberg, Eugene, OR: University of Oregon, 2019.
10. *Other Photographs for book cover and content of several buildings (NBBJ NYC Offices, Mt. Angel Library Oregon, Ash Creek Intermediate School in Oregon, Ben Franklin Elementary School in Seattle, Yesler Community Center in Seattle, Endeavor Elementary School in Idaho, Center for Advanced Energy Studies in Idaho, Ada Co. Administration in Idaho, Donnelly Elementary School in Idaho)*, IES RP-5-13 – Recommended Practice for Daylighting Buildings: Illuminating Engineering Society of North America, K. G. Van Den Wymelenberg, C. Meek, N. Huboff, G. Gladics - 2013.
11. Energy Efficiency Diagnostic Tool Loan Library, <http://www.idlboise.com/tool-loan-library>, 2010-2015.
12. Integrated Design Lecture Series Online Archive, <http://www.idlboise.com/video-archives>, 2006-2015.
13. High Performance Building Case Studies Web Site, <http://www.idlboise.com/case-studies>, 2004-2015.
14. *Daylighting Podcast Series*, Illuminating Engineering Society of North America, (5) 25 minute podcasts with Matthew Tanteri and Christopher Meek, released in 2012. (
 - a. <http://www.youtube.com/watch?v=xKM2EcBY1D0>
 - b. <http://www.youtube.com/watch?v=3XWhAQYiUM4>
 - c. <http://www.youtube.com/watch?v=Q9wpr4mjiIQ>
 - d. <http://www.youtube.com/watch?v=StNjQvw56JI>
 - e. <http://www.youtube.com/watch?v=6yClzSnwcRke>
15. *eLAD – eLearning platform for commercial building lighting and daylighting systems*, Lawrence Berkeley Lab; contributing author, 2010-2012. (http://www.su-per-b.org/projects_elad.html)
16. *Ten Daylit Spaces in the PNW*, Faculty Exhibition, Prichard Art Gallery, color photography, December 2011 – January 2012.
17. *Daylighting design: human health, productivity and energy savings*; Building a Greener Idaho, Boise Radio, 30-minute radio interview with host Sharon Patterson, January 24, 2012.
18. Daylight Patterns Guide Web Tool, www.patternguide.advancedbuildings.net, 2009-2011, with Chris Meek, University of Washington.
19. Passive Design Strategy Calculation Web Tool, <http://www.idlboise.com/design-tool/passive-design-strategy-calculators>, 2011.
20. *Photographs of Terry Thomas Building and Pierce County Environmental Services Building*, Tenth ed. Of The Lighting Handbook. pp. 14.2, 19.3: Illuminating Engineering Society of North America, K. G. Van Den Wymelenberg and C. Meek, 2011.
21. *Photographs of Terry Thomas Building*, High Performance Buildings, vol. 3, no. 3, pp. Cover, 26, 29, 33, 34, K. G. Van Den Wymelenberg and C. Meek, Summer-2010.
22. Carbon Neutral Building Initiative Web Site, www.buildingcarbonneutral.org, 2007-2008, with G.Z. Brown, University of Oregon.
23. Climate Responsive Design Web Tool, www.idlboise.com/design-tool/climate-responsive-design-web-tool, 2007-2008, with G.Z. Brown, University of Oregon.

Popular Press, Interviews, Newspaper Articles: *(updated 9/1/2022)*

1. Several IHBE blog posts and news events available here: <https://buildhealth.uoregon.edu/news-2/>
2. Several BioBE blog posts and news events available here: <https://biobe.uoregon.edu/news/>
3. Several ESBL blog posts and news events available here: <https://esbl.uoregon.edu/blog/>
4. [How to Judge COVID Risk and when to Wear a Mask](#) – Scientific American, April 19, 2022
5. *Social distancing helps, but there is more to the story* – NewsWire – April 1, 2022: <https://www.newswise.com/coronavirus/social-distancing-helps-but-there-is-more-to-the-story>

6. *How ventilation, filtration, and humidity may prevent coronavirus transmission* – Medical News Today - March 2, 2022: <https://www.medicalnewstoday.com/articles/how-ventilation-filtration-and-humidity-may-prevent-coronavirus-transmission>
7. *After 2 full years of coronavirus in Oregon, here are 5 ways to prepare for the future* – The Oregonian – February 26, 2022: <https://www.oregonlive.com/coronavirus/2022/02/after-2-full-years-of-coronavirus-in-oregon-here-are-5-ways-to-prepare-for-the-future.html>
8. *Who Knew? UO study finds mid-range humidity removes viral particles indoors* – February 18, 2022: <https://www.klcc.org/science-technology/2022-02-18/uo-study-finds-the-right-humidity-removes-viral-particles-indoors>
9. *Ventilation, humidity are key to limiting virus spread, study says* – Around The O – February 16, 2022: <https://around.uoregon.edu/content/ventilation-humidity-are-key-limiting-virus-spread-study-says>
10. *Retrofitting schools with LLC achieves significant savings* – LEDs Magazine – January 28, 2022: <https://www.ledsmagazine.com/smart-lighting-iot/article/14215172/retrofitting-schools-with-llc-achieves-significant-savings-magazine>
11. *Amid COVID-19, NYCOSH release workplace ventilation, filtration recommendations* – Safety+Health Magazine – January 26, 2022: <https://www.safetyandhealthmagazine.com/articles/22209-amid-covid-19-nycosh-releases-workplace-ventilation-filtration-recommendations>
12. *Commentary: Essential workers must have cleaner, safer workplace air* - Times Union – January 11, 2022: <https://www.timesunion.com/opinion/article/Commentary-Essential-workers-must-have-cleaner-16765412.php>
13. *University of California Refuses to Release 'Preliminary and Conceptual' Dormzilla Agreement* – VICE – December 7, 2021: <https://www.vice.com/en/article/v7dvea/university-of-california-refuses-to-release-preliminary-and-conceptual-dormzilla-agreement>
14. *A University Has a Legally-Binding Plan to Solve Its Housing Crises. Then a Billionaire Stepped In* – VICE – December 2, 2021: <https://www.vice.com/en/article/y3vve7/a-university-had-a-legally-binding-plan-to-solve-its-housing-crisis-then-a-billionaire-stepped-in>
15. *Gifts to Venture Development Fund could mean state tax credit* – Around The O – November 22, 2021 - <https://around.uoregon.edu/content/gifts-venture-development-fund-could-mean-state-tax-credit>
16. *Dezeen to live-stream daily talks during Velux Build for Life Conference* – Dezeen – November 11, 2021: <https://www.dezeen.com/2021/11/11/velux-build-for-life-conference-daily-talks-live-stream/>
17. *Even in a flat economy, the UO continues to spin off innovation* – Around the O - November 10, 2021 - <https://around.uoregon.edu/content/even-flat-economy-uo-continues-spin-innovation>
18. *What We Know about COVID, the FLU, and the Air We Breathe* – DNYUZ – October 19, 2021: <https://dnyuz.com/2021/10/19/what-we-know-about-covid-the-flu-and-the-air-we-breathe/>
19. *We have a once-in-a-generation opportunity to fix our crumbling schools* – MSN – October 18, 2021: <https://www.msn.com/en-us/news/us/we-have-a-once-in-a-generation-opportunity-to-fix-our-crumbling-schools/ar-AAPFtcW>
20. *Why a top notch air exchanger is way more effective than Plexiglas when it comes to good ventilation* – Toronto Star – October 11, 2021: https://www.thestar.com/life/health_wellness/advice/2021/10/11/why-a-top-notch-air-exchanger-is-way-more-effective-than-plexiglas-when-it-comes-to-good-ventilation.html

21. *BioBE Preprint: Controlled Chamber COVID Study* – NewsBreak / Mrobo.net – October 5, 2021: <https://www.newsbreak.com/news/2393181318699/biobe-preprint-controlled-chamber-covid-study>
22. *6 Questions to Ask About COVID and Air Quality at Work* – New York Times – September 17, 2021: <https://www.nytimes.com/2021/09/13/well/covid-indoor-air-quality.html?referringSource=articleShare>
23. *Oregon dorm study: Open windows curb COVID spread* – KOIN CBS 6 Portland – September 8, 2021: <https://www.koin.com/news/health/coronavirus/oregon-dorm-study-open-windows-curb-covid-spread/>
24. *A new study of dorm rooms shows how ventilation curbs virus levels* – New York Times – September 5, 2021: <https://www.nytimes.com/2021/09/05/health/covid-ventilation-college-dorm.html>
25. *Which Michigan School COVID Measures Work? Ask Scientists* – August 30, 2021: <https://www.bridgemi.com/michigan-health-watch/which-michigan-school-covid-measures-work-we-asked-scientists>
26. *Smart Lighting Offers Facilities a Data Network to Support Health, Energy Savings* – Facility Executive - September 21, 2021: <https://facilityexecutive.com/2021/09/smart-lighting-offers-facilities-a-data-network-to-support-health-energy-savings/>
27. *Asset Tracking, Ventilation, Energy Savings Makes LLC a Strong Solution for Healthcare Facilities* – August 2021: <https://analytics.healthcaretechoutlook.com/cxoinsights/asset-tracking-ventilation-energy-savings-makes-llc-a-strong-solution-for-healthcare-facilities--nid-2574.html>
28. *Lighting That Aims to Improve Human Health* – Healthcare Facilities Today - July 13, 2021: <https://www.healthcarefaciliestoday.com/posts/Lighting-That-Aims-To-Improve-Human-Health--26451>
29. *Luminaire Level Lighting Controls and The Future of Healthy Buildings* – June 30, 2021: <https://digitalelectricalline.advanced-pub.com/Stylus/viewer.aspx?id=45&pageId=33>
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Tenured 7/1/2013; University of Idaho

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 141. *The Greening of Idaho*, www.betterbricks.com; March, 2004.
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Professional Meetings, Presentations, Workshops: (updated 9/1/2022)***International***

1. April 2022, *Mass Timber Acoustics*, International Mass Timber Conference, 3-hour demonstration with Gemma Fucigna and Andy Newbold, Corvallis, OR .
2. April 2022, *Healthy Buildings & Biophilia*, 2-hour lecture with Mark Fretz, La Universidad de las Americas (UDLA), invited and underwritten by ENNE Arquitectos and Axxis Medical Group, Quito, Ecuador, and online.
3. January 2022, *Evaluation of a Bioaerosol Sampler for Indoor Environmental Surveillance of Severe Acute Respiratory Syndrome Coronavirus 2*, 20-minute presentation, Healthy Buildings America Conference (2021-delayed), International Society of Indoor Air Quality and Climate, online.
4. January 2022, *Exploring Integrated Environmental Viral Surveillance of Indoor Environments: A comparison of surface and bioaerosol environmental sampling in hospital rooms with COVID-19 patients*, 20-minute presentation, Healthy Buildings America Conference (2021-delayed), International Society of Indoor Air Quality and Climate, online.
5. November 2021, *Daylighting Symposium*, 3-day workshop facilitation with Martha Throne for Velux International, Copenhagen, Denmark.
6. November 2021, *Daylight Sunlight and Indoor Pathogens*, 30-minute presentation, Daylight Symposium, Velux International, Copenhagen, Denmark.
7. October 2021, *What 1 for 1 Replacement Means for Energy Savings & Light Quality*, 90-minute workshop with Zachary Suchara and Alen Mahic, Lightfair International, New York, NY.
8. October 2021, *Looking at the big picture: the impact of infectious respiratory disease on the future of design*, 90-minute panel discussion with Vivian Loftness and Kate Davis, International Well Building Institute, online.
9. September 2021, *View Quality Metrics and Design Guidelines*, 2-hour workshop with Nancy Clanton to Working Group 7, Technical Committee 205, Building Environment Design, International Standards Organization (ISO).
10. June 2021, *Adapting Your Workplace for COVID-19*, 2-day workshop with Richard Corsi, Portland State University Executive Education, online.
11. June 2021, *Indoor Environmental Guidelines*, Nike Worldwide Workplace Design & Construction Summit, 60-minute webinar with Mark Fretz, online.
12. May 2021, *Designing Post-Pandemic Workplaces for Health & Performance*, International Mass Timber Conference, 60-minute panel with Graham Lowe, online.
13. January 2021, *Establishing outcome based daylighting standards*, 2-hour presentation and workshop with Nancy Clanton to Working Group 7, Technical Committee 205, Building Environment Design, International Standards Organization (ISO).
14. December 2020, *Daylighting Talks*, Speaker and Moderator for 40-minute presentation and panel with Anne Lacaton and Jakob Strømman-Andersen, [World Architecture Festival](#), online.
15. December 2020, *SafeAirSpaces Aerosol Risk Estimation Platform*, 7-minute presentation organized with Co-Authors Rich Corsi and Hooman Parhizkar, Workshop on modelling infection risk from indoor aerosol exposure to SARS-CoV-2: A platform to summarize risk assessment tools, International Society of Indoor Air Quality and Climate (ISIAQ), online.

16. November 2020, [The principles behind healthier bedrooms](#), 33 minute interview with Charlie Luxton, Velux Home Improved Podcast Series, online at Spotify.
17. October 2020, *Health & Energy: Building Transformation Through and Beyond COVID-19*, 60-minute presentation and panel with Lucia Athens and Stefano Capolongo, Greenbuild Global Health & Wellness Summit, online.
18. September 2020, Establishing outcome based daylighting standards, 2-hour presentation and workshop with Nancy Clanton to Technical Committee 205, Building Environment Design, International Standards Organization (ISO).
19. September 2020, *Measuring COVID-19 Aerosol Distribution in Buildings, Clinicians for Design Panel*, 2-hour presentation and panel with Eve Edelstein, John Riordan, Ruth Fanning, Giorgio Costantino and George Tingwald, European Healthcare Design Conference, online.
20. August 2020, *COVID-19 Indoor Air and Energy Efficiency*, 1-hour presentation and panel with Joseph Allen, Jelena Sreric, Jin Wen, and Zheng O'Neill, [CLEAN 2020 Summit](#): providing foundational science and innovation for clean spaces and healthy congregation, online.
21. December 2019, *Daylight Design and Human Health*, 60-minute presentation, Aalborg University, Copenhagen Denmark.
22. October 2019, IHBE + Siemens Research Collaboration Proposals, 8-hour research & development pitch day, Siemens World Headquarters, Zug, Switzerland.
23. October 2019, [Daylight and the Indoor Microbiome](#), 15-minute presentation, Daylight Symposium hosted by Velux, Paris, France.
24. October 2019, guest facilitator of 8-hour workshop, [Daylight Symposium](#) hosted by Velux, Paris, France.
25. June 2019, *Lighting the UnSeen, 60-minute Keynote Presentation*, Commission Internationale de l'Eclairage (CIE), 29th Quadrennial Session of the CIE.
26. March 2019, *Comprehensive Performance Monitoring of a Mass Timber Building*, 30-minute presentation with Jason Stenson, International Mass Timber Conference, Portland, OR.
27. October 2018, *Why you should be interested in smart buildings*, in IECON 2018 the 44th Annual Conference of the IEEE Industrial Electronics Society, October 21-23, 2018, Washington DC; 2-hour panel discussion with moderator Gerhard Zucker (Austria), and panelists Alicja Kwasniewska (Intel, USA), John Petze (Haystack, USA), Sahil Diwan (Siemens, USA), Jacek Ruminski (Poland), Kevin Van Den Wymelenberg, University of Oregon.
Jacek Ruminski, Gdansk University of Technology. (Single-blinded peer-review)
28. March 2018, Winclove webinar, *Designing Healthier Buildings and Spaces: Winclove Headquarters – Aspiring to be Home to the World's Healthiest Indoor Microbiome*, 45-minute presentation with Sue Ishaq, webinar to Winclove world headquarters, Amsterdam, Netherlands.
29. March 2018, *Net-Zero Energy TallWood Design*, 20-minute presentation with Denise Blankenberger, International Mass Timber Conference, Portland, OR.
30. August 2017, 16th Annual International Radiance Workshop, *Welcome to the 2017 Annual Radiance Workshop: (Organized and hosted the 3-day workshop)*, University of Oregon Energy Studies in Buildings Laboratory, 30-minute kick-off presentation to 3-day workshop, Portland, OR.
31. August 2017, International Building Performance Simulation Association Conference, *Next steps for Daylight Performance Metrics and Simulation*, moderated 60-minute panel discussion with Michael Donn, Lisa Heschang, Alstan Jakubiec, John Mardaljevic, Liam O'Brien, San Francisco, CA.

32. February 2017, Holzbau Pacific Northwest Conference, *Recent R&D on Indoor Thermal Performance & Post-Occupancy Analysis*, 30-minute presentation with Andrew Loia, Vancouver, British Columbia, Canada.

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33. November 2015, Greenbuild International Conference and Expo 2015, *How LEED v4 will Drastically Change Daylighting*, 60-minute presentation with Tom Hootman, Dan Glaser, Dane Sanders, Washington DC.
34. May 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute webinar lecture –Nova Scotia, Canada.
35. May 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Montreal, Quebec, Canada.
36. February 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture –Halifax, Nova Scotia, Canada.
37. February 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Moncton, New Brunswick, Canada.
38. February 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Fredericton, New Brunswick, Canada.
39. October 2013, Human Centric Lighting Committee, *Human Visual Preference & Luminance Metrics*, 60-minute international webinar.
40. August 2013, 12th International Radiance Workshop, *Glare Metrics*, 90-minute presentation with Jan Wienold - Golden, CO.
41. August 2013, 12th International Radiance Workshop, *A Contrast of Manual Blind Control Algorithms with Whole-Building Energy Implications*, 30-minute presentation - Golden, CO.
42. August 2013, 12th International Radiance Workshop, *Spatial Daylight Autonomy and Annual Sunlight Exposure – The LM-83 Radiance Script*, 30-minute presentation with Ery Djunaedy - Golden, CO.

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43. September 2012, IES Daylight Metrics Committee, *Luminance Preference Research*, 30-minute international webinar.
44. December 2011, New Buildings Institute Webinar, *The Daylight Pattern Guide: Developing a Visual Vocabulary for Daylighting Design Decision Making*, 60-minute international webinar (live + recorded) to 700+ participants with Christopher Meek – online [available - <https://www3.gotomeeting.com/register/933652782>].
45. June 2010, Tallinn University of Technology PhD Curriculum, *Passive Design Strategies + High Performance Envelopes*, 4-day (32-hours) Intensive Summer PhD Course with Rob Peña, Tallinn, Estonia.
46. October 2009, 2009 International Radiance Workshop - *A Comparative Discussion; Using Radiance, DAYSIM and Physical Models in Architectural Practice*, 0.5-hour presentation – Harvard Graduate School of Design, Cambridge, MA.
47. June 2009, Passive and Low Energy Architecture 2009 Conference - *A Study of Luminance Distribution Patterns and Occupants' Preferences in Daylit Offices*, Passive and Low Energy Architecture, 0.5-hour presentation - Quebec City, Canada.

National

48. August 2022, Indoor Air Management of Airborne Pathogens: Lessons, Practices, Innovations; 4-hour virtual workshop; National Academy of Engineering, Environmental Health Matters Initiative, online.
49. June 2022, Healthy & Energy Efficient Buildings, US DOE LED Roadmap Roundtable, 3-hour workshop, online.
50. May 2022, *Evolving the Value Proposition of Indoor Daylighting*, 2-hour workshop with Siobhan Rockcastle, Pacific Energy Center, online.
51. November 2021, *Human Health & the Built Environment in the Endemic Era*, 2-hour workshop, Pacific Gas & Electric, Pacific Energy Center, online.
52. October 2021, Design and Operation of Healthy Buildings, 1-hour webinar to American Physical Plant Administrators (APPA), Midwest and Pacific Coast Regions Conference, online.
53. October 2021, *Environmental Mitigation Strategies for Airborne Disease*, with Hooman Parhizkar, Build Health Research Consortium, 1-hour webinar, online.
54. April 2021, *SafeAirSpaces Airborne Disease Transmission Risk Estimation Platform*, ASHRAE Environmental Health Expert Panel, online.
55. March 2021, *AerosolSense COVID-19 Aerosol Surveillance*, Build Health Research Consortium, 1-hour webinar, online.
56. March 2021, *Energy Roundtable* – 2-hour workshop for Power Ledger, online.
57. March 2021, *Editors in Conversation - Pandemic Built Environment*, 35-minute interview by Jack Gilbert at mSystems and the American Society for Microbiology, with Patrick Horve and Leslie Dietz, <https://asm.org/Podcasts/Editors-in-Conversation/Episodes/Pandemic-Built-Environment-EIC-024>, online.
58. February 2021, *Environmental Viral Surveillance*, 90-minute presentation with Heather Bischel, University of California at Davis, Evolution and Ecology Program, School of Medical Microbiology and Immunology, Genome Center, COVID19 Town Hall, online.
59. January 2021, *A delicate balance: energy efficiency and indoor air quality in the COVID-19 era*, 75-minute presentation, International Building Performance Simulation Association (IBPSA), USA Chapter, online.
60. December 2020, *How Air Ventilation is Critical for Making Workplaces Safe from COVID-19*, 2.5-hour presentation with Paula Olsiewski, Lupita Montoya, Ananya Iyengar, Maritza Silva-Farrell, Izzi Greenberg, Clara Wheatley-Schaller, LiJia Gong, Guy Vardi, Delphine Farmer, Jarred Hampton-Maxwell, COVIDStraightTalk Town Hall, NY, online.
61. November 2020, *Building Health & Energy in the COVID-19 Era: The Role of Building Automation and Building Performance Simulation*, 30-minute [Keynote Address](#), California Building Energy Modeling (CALBEM) Annual Meeting, online.
62. November 2020, *Environmental Viral Surveillance*, 90-minute presentation with Heather Bischel, University of California at Davis, Evolution and Ecology Program, School of Medical Microbiology and Immunology, Genome Center, COVID19 Town Hall, online.
63. November 2020, *Microbiome of the Built Environment*, 60-minute presentation with Patrick Horve, Yale School of Occupational and Environmental Medicine Guest Lecture Series, online.
64. November 2020, *Microbiome of the Built Environment*, 2-hour presentation with Patrick Horve, Yale School of Public Health Guest Lecture Series, online.
65. October 2020, *Factors in Daylight Analysis*, 2.5-hour workshop with Siobhan Rockcastle, Pacific Gas & Electric, Pacific Energy Center, online.
66. September 2020, COVID-19 Environmental Surveillance in Buildings, 60-minute presentation, Savannah

- Georgia Rotary Club, online.
67. August 2020, Reclaiming Building Health via Environmental Surface Testing, 60-minute presentation with Rob Gallant and Rajiv Sahay, Association of Physical Plant Administrators Conference, online.
 68. August 2020, [COVID & Carbon Laws](#), 90-minute presentation and panel with Shrikant Sharma and Gregg Fischer, DISTECH Controls Panel Series, online.
 69. August 2020, Re-Occupy Building More Safely Using Environmental Viral Sampling, 60-minute presentation, Nike Facility Managers, online.
 70. August 2020, Re-Occupy Building More Safely Using Environmental Viral Sampling, 60-minute presentation, Salesforce Facility Managers, online.
 71. July 2020, *COVID-19 & Indoor Air Transmission Risk Mitigation Strategies*, 2-hour presentation and workshop, Federal Green Building Roundtable: Safety First Pilot Credits, online.
 72. July 2020, *Pandemics & the Built Environment: How COVID-19 is Transforming Buildings*, 75 minute [Keynote Address](#), Building Commissioning Association Annual Conference, online.
 73. July 2020, *COVID-19 & Indoor Air*, 1-hour presentation, ASHRAE Epidemic Task Force, online.
 74. June 2020, *Safe Buildings - A Discussion on Air & Water Quality and Design Strategies*, 90-minute presentation with Molly Scanlon and Susan McClymonds, AIA New York State, online.
 75. May 2020, *AIA Design Response Collaborative: COVID-19 Building Re-occupancy*, 4-hour workshop, AIA National, Online.
 76. November 2019, *Re-Imagining Daylight: How Daylight Improves Health, Well-being, Productivity, and Energy-Efficiency*, 90-minutes lecture with Siobhan Rockcastle, Pacific Energy Center, San Francisco, CA.
 77. November 2019, *Putting the DESIGN back into Daylighting Design Analysis*, 3-hour workshop with Siobhan Rockcastle, Pacific Energy Center, San Francisco, CA.
 78. November 2019, *Microbiology of the Built Environment, Making Design Decisions Right Now*, 30-minute discussion, Banbury Center Cold Spring Harbor Laboratory workshop on Microbiology of the Built Environment, Long Island, NY.
 79. June 2019, [Efficiency and Resiliency in Federal Building Design & Construction](#), 2-hour testimony with Kevin Kampschroer, Elizabeth Beardsley, and Mark Russell, U.S. House of Representatives, Committee on Transportation and Infrastructure, Subcommittee on Economic Development, Public Buildings, and Emergency Management.
 80. May 2019, *In the Beginning There was Daylight*, 60-minute presentation with Brent Protzman and Michelle McGuire, LightFair International, Philadelphia, PA.
 81. May 2019, *Image-based Human-centric Daylight Assessment*, 90-minute presentation with Richard Mistrick and Siobhan Rockcastle, LightFair International, Philadelphia, PA.
 82. May 2019, *Visualizing Innovations in Daylight Modelling*, 60-minute presentation with Daniel Glaser and Matthew Tanteri, LightFair International, Philadelphia, PA.
 83. April 2019, *Daylighting the UnSeen*, 60-minute Keynote, Daylighting Symposium, California Energy Commission, Sacramento, CA.
 84. April 2019, *How Healthcare Engineers Are Also Healthcare Professionals*, ASHRAE Technical Conference, ASHRAE Idaho Chapter, 60-minute presentation, Boise, ID.
 85. April 2019, *Healthcare Design and Operations*, 60-minute panel discussion with Jesse Barnum and Kishor Khankari, ASHRAE Technical Conference, ASHRAE Idaho Chapter, Boise, ID.

86. February 2019, *Manual Blind Use Behavior Computational Algorithm Proposal*, Daylight Metrics Committee, 90-minute webinar.
87. October 2018, *HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*, 8-hour workshop with Alen Mahić, Pacific Energy Center, San Francisco, CA.
88. October 2018, *HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*, 8-hour workshop with Alen Mahić, Pacific Energy Center, San Francisco, CA.
89. August-September 2018, Biology and the Built Environment Center – The Indoor Microbiome, Rhode Island School of Design Nature Lab’s 80th anniversary celebrations at the Woods-Gerry Gallery, Providence, Rhode Island.
90. August 2018, *Manual Blind Studies in Commercial Buildings Update*, 60-minute presentation, Attachments Energy Rating Council – Attachments Operation Schedule Committee, online webinar.
91. July 2018, *Institute for Health in the Built Environment*, 60-minute presentation with Siobhan Rockcastle, hosting Siemens Corporation in Eugene, OR.
92. July 2018, *Annual Daylight Metrics and Human Behavior*, 90-minute presentation, online webinar to IES Daylight Metrics Committee, New York City, NY.
93. May 2018, [*Designing for Microbiology and Energy in the Built Environment*](#), 25-minute presentation, Harvard Healthcare Symposium, Harvard University, Cambridge, MA.
94. April 2018, *Institute for Health in the Built Environment*, 60-minute presentation with Mark Fretz, online webinar to Fujitsu, New York City, NY.
95. April 2018, *Net-zero Energy TallWood Mass Timber Design*, 60-minute presentation with Denise Blankenberger, Iain MacDonald, and Juliana Ruble, online webinar to Hickok Cole Architects, Washington, DC.
96. March 2018, *Manual Blind Studies in Commercial Buildings Update*, 60-minute presentation with Amir Nezamdoost, Attachments Energy Rating Council – Attachments Operation Schedule Committee, online webinar.
97. December 2017, *Manual Blind Studies in Commercial Buildings Update*, 60-minute presentation with Amir Nezamdoost, Attachments Energy Rating Council – Attachments Operation Schedule Committee, online webinar.
98. November 2017, *Architecture 2030: Inside the Challenge*, 45-minute presentation, AIA Oregon Awards, Portland, OR.
99. November 2017, *DOE SSL LEDs and Daylighting Panel: Designing Buildings for Humans*, 2-hour Panel with Jim Broderick and Andrea Wilkerson (DOE/PNN), Craig Casey (Lutron), Jennifer Scheib (UC Boulder/Rocky Mountain Lighting Academy), Galen Burrell (UC Boulder/ARUP), DOE SSL Annual Meeting, Portland, OR.
100. November 2017, *HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*, 8-hour workshop with Alen Mahić, Pacific Energy Center, San Francisco, CA.
101. September 2017, General Services Administration Buildings and Health Convening, 2-day workshop invited participant, Washington DC.
102. August 2017, *Improving Lifeguard Visibility in Aquatics Facilities by Minimizing Glare*, 3-hour poster session, Illuminating Engineering Society Annual Conference, Portland, OR.
103. August 2017, *A Comparative Study on Toplighting Strategies in an Academic Building*, 3-hour poster session, Illuminating Engineering Society Annual Conference, Portland, OR.

104. August 2017, TaskShade™ Prototype Development & Field Tests on University of Oregon Campus, 3-hour poster session with Serena Lim, Illuminating Engineering Society Annual Conference, Portland, OR.
105. August 2017, Introduction to ESBL & BioBE Research, two-hour workshop with Jason Stenson, Alejandro Manzo, Amir Nezamdoost, Illuminating Engineering Society Annual Conference – Emerging Leaders Forum, Portland, OR.
106. May 2017, Launching the Health + Energy Research Consortium, 1.5-day workshop with Jessica Green and research members at ESBL & BioBE, University of Oregon, Portland, OR.
107. April 2017, *Manual Blind Studies in Commercial Buildings*, 60-minute presentation with Amir Nezamdoost, Attachments Energy Rating Council – Attachments Operation Schedule Committee, online webinar.
108. March 2017, *Biology & Buildings: Indoor Environments & Human Health*, 30-minute presentation with Roo Vandegrift, AIA Design + Health Research Consortium Annual Meeting, Detroit, MI.
109. March 2017, Post-occupancy Performance Evaluation of Mass Timber Buildings, 20-minute presentation with Mariapaola Riggio, International Mass Timber Conference, Portland, OR.
110. October 2016, [Perspectives on Building Design and Commissioning](#), 60-minute presentation and panel discussion with Robin Guenther, Meeting #3 of the National Academy of Sciences Committee on Microbiomes of the Built Environment. Irvine, CA.
111. October 2016, *A Summary of: A Comparative Study of Spatial Daylit Area Drawings with Annual Climate-based Simulation Using Multiple Blind Control Patterns and Point-in-Time Simulation*, 60-minute presentation, Attachments Energy Rating Council – Attachments Operation Schedule Committee, online webinar.
112. September 2016, *HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*, 8-hour workshop with Alen Mahić, Pacific Energy Center, San Francisco, CA.
113. July 2016, *Emerging Perspectives on Exposure Assessments. A retrospective and research agenda from a large center*, 30-minute presentation with Jessica L. Green, The 5th Alfred P. Sloan Foundation Conference of Microbiology of the Built Environment, Boulder, CO.
114. May 2016, Transforming Architecture: A Festschrift Event in honor of G.Z. Brown, 8-hour workshop, Eugene, OR.
115. April 2016, LightFair International, LightFair Institute, *Daylighting Patterns and Energy Performance*, 90-minute workshop with Christopher Meek – San Diego, CA.

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116. November 2015, Illuminating Engineering Society Annual Conference, *Transforming Daylighting Research into Lighting Design Practice*, 30-minute invited presentation, Indianapolis, ID.
117. May 2015, LightFair International, LightFair Institute, *Case Studies of Daylighting Strategies and Energy Performance*, 90-minute workshop with Christopher Meek – New York City, NY.
118. May 2015, LightFair International, LightFair Institute, *Daylight Fundamentals: Design and Analysis Strategies for Comfortable and Energy Efficient Buildings*, 1-day (7-hours) workshop with Christopher Meek – New York City, NY.
119. April 2015, Illuminating Engineering Society, *Daylighting Educational Tour 2015*, 90-minute lecture – Cleveland, OH.
120. April 2015, Illuminating Engineering Society, *Daylighting Educational Tour 2015*, 90-minute lecture – Toledo, OH.

121. April 2015, Illuminating Engineering Society, *Daylighting Educational Tour 2015*, 90-minute lecture – Detroit, MI.
122. March 2015, Illuminating Engineering Society with Carnegie Mellon University's Center for Building Performance and Diagnostics, *Daylighting Educational Tour 2015*, 90-minute lecture – Pittsburgh, PA.
123. February 2015, Illuminating Engineering Society, *Daylighting Educational Tour 2015*, 90-minute lecture – Cincinnati, OH.
124. February 2015, Illuminating Engineering Society, *Daylighting Educational Tour 2015*, 90-minute lecture – Indianapolis, IN.
125. November 2014, City University of New York - CCNY, *Daylighting Seminar*, 90-minute lecture invited by Gonzalez and Volkmann – delivered online, New York City, NY.
126. October 2014, ASHRAE Golden Gate Chapter / UC Berkeley Center for Built Environment / PG&E Pacific Energy Center, *Glass in Architecture: Balancing Beauty, Light, Air, Comfort and Energy*, 7-hour workshop with Charles Eley, Paul Woolford (HOK), Stephen Selkowitz (LBNL), Daniel Murtagh (Boston Properties), Sandra Mendler (Mithun), Erin McConahey (ARUP), Michael Tillou (Atelier Ten) – San Francisco, CA.
127. August 2014, ACEEE Summer Study on Energy Efficient Buildings, *Merging the Power of Simulation with the Simplicity of a Spreadsheet: Heat Pump Savings Calculator*, 30-minute presentation, Asilomar, CA.
128. June 2014, LightFair International, LightFair Institute, *Ecology of Light: Ten Steps to Daylighting Success*, 90-minute workshop with Christopher Meek – Las Vegas, NV.
129. June 2014, LightFair International, LightFair Institute, *Daylight Fundamentals: Design and Analysis Strategies for Comfortable and Energy Efficient Buildings*, 1-day (7-hours) workshop with Christopher Meek – Las Vegas, NV.
130. May 2014, City University of New York - CCNY, *Lighting and Sustainability Panel Discussion*, 2-hour panel discussion invited by Gonzalez, New York City, NY.
131. April 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Denver, CO.
132. March 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Wichita, KS.
133. February 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Phoenix, AZ.
134. January 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Omaha, NE.
135. January 2014, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture – Des Moines, IA.
136. January 2014, National Institute of Buildings Sciences Annual Conference, *Pursuing luminance-based lighting design guidance for the low-vision population*, 30-minute lecture – Washington DC.
137. December 2013, Illuminating Engineering Society, *Daylighting Educational Tour 2013-2014*, 90-minute lecture - Minneapolis, MN.
138. October 2013, Illuminating Engineering Society Annual Conference, *Limitations of Common Lighting Metrics for Evaluating Human Visual Comfort in Spaces with Daylight*, 30-minute presentation, Long Beach, CA.
139. October 2013, Illuminating Engineering Society Annual Conference, *Toward Resolving Discomfort Glare from Vertical Fenestration*, 30-minute presentation, Long Beach, CA.

140. October 2013, Illuminating Engineering Society Annual Conference, *A Contrast of Manual Blind Control Algorithms with Whole-Building Energy Implications*, 30-minute presentation with Christopher Dyke, Long Beach, CA.
141. October 2013, Illuminating Engineering Society Annual Conference, *Simulation-Based Daylighting Design*, 60-minute presentation with Richard Mistrick, Long Beach, CA.

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142. April 2013, LightFair International, LightFair Institute, *Ecology of Light: Ten Steps to Daylighting Success*, 90-minute workshop – Philadelphia, PA.
143. April 2013, LightFair International, LightFair Institute, *Evaluating Human Visual Preference and Performance in an Office Environment Using Luminance-based Metrics*, 90-minute workshop – Philadelphia, PA.
144. April 2013, LightFair International, LightFair Institute, *Daylight Performance Metrics from Human Studies and Annual Simulation*: 3-hour workshop – Philadelphia, PA.
145. April 2013, LightFair International, LightFair Institute, *Daylight Fundamentals: Design and Analysis Strategies for Comfortable and Energy Efficient Buildings*, 1-day (7-hours) workshop with Christopher Meek – Philadelphia, PA.
146. September 2012, Lecture to Iowa Utilities Board and Office of Consumer Advocacy, *Daylighting and Glare Post-Occupancy Evaluation Analysis*, 90-minute workshop, Des Moines, IA.
147. August 2012, ACEEE Summer Study on Energy Efficient Buildings, *A Decade of Market Transformation in the Pacific Northwest*, 30-minute presentation, Asilomar, CA.
148. June 2012, Society of Building Science Educators Annual Retreat, Interdisciplinary Team Management and Building Simulation, 1.5-hour presentation with Jacob Dunn and Sherry McKibben - Boise, ID.
149. May 2012, LightFair International, LightFair Institute, *Annual Daylight Performance Metrics*, 3-hour workshop with Lisa Heschong - Las Vegas, NV.
150. November 2011, Workshop on Energy Security and Resilient Control Systems, *Targeted Energy Management Toolset for Comfort and Savings Based on Advanced Computational Intelligence Techniques*, poster presentation with Milos Manic of University of Idaho Craig Rieger of Idaho National Lab, John Gardner of Boise State University, Washington DC.
151. November 2011, Workshop on Energy Security and Resilient Control Systems, *Existing Targeted Energy Management System Toolset*, 30-minute presentation, Los Angeles, CA.
152. September 2011, New Buildings Institute – Deep Savings in Existing Buildings Summit, *Existing Building Renewal Initiative*, 15-minute presentation, Boulder, CO.
153. May 2011, LightFair International, LightFair Institute, *Daylight Fundamentals: Design and Analysis Strategies for Comfortable and Energy Efficient Buildings*, 2-day (14-hours) workshop with Christopher Meek – Philadelphia, PA.
154. March 2011, Harvard Graduate School of Design, *The Daylight Pattern Guide: Developing a Visual Vocabulary for Daylighting Design Decision Making*, 2-hour workshop with Christopher Meek – Cambridge, MA.
155. May 2010, Daylight Forum 2010, *Delight + Efficiency - Accelerating Daylight as a Light Source for Net Zero Energy Buildings*, 2-hour panel discussion with Lisa Heschong, Hayden McKay, Matthew Tanteri, Neil Digert, and Amy Keller - Las Vegas, NV.

156. May 2010, Daylight Forum 2010, *IES Daylight Metrics Subcommittee Goals and Progress*, 30-minute presentation - Las Vegas, NV.
157. May 2010, LightFair International, LightFair Institute, *Daylight Fundamentals: Design and Analysis Strategies for Comfortable and Energy Efficient Buildings*, 2-day (14-hours) workshop with Christopher Meek - Las Vegas, NV.
158. October 2009, Parsons New School for Design MFA Lighting Program - *High Dynamic Range Imaging as a Luminance Analysis Technique in Buildings*, 2.5-hour workshop - New York City, NY.
159. October 2009, IESNA New York City Chapter Kelly Grant Awards - *Physical Models, Digital Models and Light of the Real*, 1-hour presentation - New York City, NY.
160. May 2009 American Collegiate Schools of Architecture Annual Meeting - *Research Value of Design*, American Collegiate Schools of Architecture 1-hour workshop with GZ Brown, Judy Theodorson and Joel Loveland - Portland, OR.
161. January 2009, Wisconsin Energy Center, *Integrate Design for Energy Efficiency*, two 8-hour workshops and one 1-hour web archived video lecture - Green Bay, Madison, and Delafield, WI.
162. May 2008, LightFair International, LightFair Institute, *Simulating Daylight - A Digital Overview: ECOTECH, Radiance, Daysim, Daylight 1-2-3*, 3-hour workshop with Christoph Reinhart - Las Vegas, NV.
163. May 2008, LightFair International, LightFair Institute, *Simulating Daylight - An Overview of Physical and Digital Modeling*, 3-hour workshop with Christoph Reinhart - Las Vegas, NV.
164. May 2008, Office Ergonomics Research Council, *Office Lighting Ergonomics and Energy Savings*, 0.5-hour presentation - Seattle, WA .
165. July 2007, Society of Building Science Educators Annual Retreat, *The Educational Benefits of Creating Synergies Between Professionals and the Academy*, with G.Z. Brown, Joel Loveland, & Judy Theodorson, two-hour workshop - Bainbridge Island, WA.
166. May 2007, LightFair International, LightFair Institute, *Emerging Daylight Metrics*, 1.5-hour workshop with Lisa Heschong - New York, NY.
167. August 2006, ACEEE, Summer Study on Energy Efficiency in Buildings, *Emerging Daylight Metrics*, 2-hour workshop with Lisa Heschong, David Eijadi, George Loisos, & Susan Ubbelhode - Asilomar, CA.
168. July 2006, Society of Building Science Educators Annual Retreat, *Evolving the Culture of Light for Energy: A Model for Impacting Design Practice*, 1-hour presentation with Christopher Meek - Pingree Park, CO.
169. July 2005, 'Daylighting Working Group' Annual Meeting, *Daylighting Metrics, Methods & Facilities*, 8-hour workshop with G.Z. Brown and Joel Loveland - Seattle, WA.

Regional or Local

170. August 2022, *Return to Work – Achieving and Maintaining Indoor Environmental Quality*, 90-minute panel with Stephanie Taylor and Rebecca Sheppard, Smart Building Exchange 2022, Seattle, WA and online.
171. August 2022, *Faculty Perspectives: Health Buildings in the Endemic Era*, 60-minute presentation, University of Oregon, IntroDUCKtion, Eugene, OR.
172. June 2022, *Design the UnSeen*, 90-minute lecture, AIA Oregon Design Conference, Portland, OR.
173. May 2022, *Indoor Air Quality in the Endemic Era*, Portland State University, 1-hour lecture, online.
174. May 2022, *Indoor Bioaerosols & Healthy Buildings*, Multnomah County Public Health, Committee on Infection Prevention, 1-hour lecture, online.
175. March 2022, *One big idea*, 15-minute presentation, SRG Partnership Portland/Seattle, online.

176. January 2022, *HVAC Toolkit for Safe Indoor Air during COVID-19*, 60-minute presentation, Oregon Health Authority Committee on Healthcare Associated Infection, online.
177. June 2021, *Multi-modal Environmental Surveillance at Isolation Dormitory*, 60-minute presentation, University of Oregon Housing and Environmental Health and Safety, with Andreas Martinez, online.
178. May 2021, *IHBE Build Health Annual Industry Consortium Research Conference*, 8-hour workshop with Mark Fretz and IHBE research staff, online.
179. May 2021, *Luminaire Level Lighting Control and Healthy Buildings*, 60-minute webinar for the Northwest Energy Efficiency Alliance, with Alen Mahic and Chris Meek, online.
180. February 2021, *Indoor air quality in K-12 schools: effective layered dose and risk reduction during COVID-19*, 2-hour workshop with Richard Corsi, Oregon Department of Education, online.
181. February 2021, *Indoor air and infection control*, 60-minute presentation with Mark Fretz, Oregon Southern Washington Association for Professionals in Infection Control & Epidemiology (OSWAPIC), online.
182. January 2021, *Architecture and Healthy Environments*, 2-hour presentation, Construction Specification Institute, Mt. Rainier Chapter, online.
183. January 2021, *Advancing clean energy in Oregon*, 75-minute presentation and panel with Adell Amos, Shannon Boettcher, Grant Jacobsen, Michael Russo, Anne Brown and Alison Kwok, Oregon Senate Committee on Environment and Natural Resources, online.
184. December 2020, *A delicate balance: energy efficiency and indoor air quality in the COVID-19 era*, 60-minute presentation, Board of Directors of the Northwest Energy Efficiency Alliance, OR, online.
185. November 2020, *Architecture in the Post-Pandemic Era*, 90-minute presentation, City of Springfield City Club, OR, online.
186. November 2020, *COVID-19 Surveillance and Early Warning: A Startup Story and the Science Behind Making Buildings Safer*, 60-minute presentation with Shula Jaron, University of Oregon Startup Week, online.
187. October 2020, *What 1:1 Replacement Means for Energy Savings and Light Quality*, 60-minute presentation with Alen Mahic and Chris Wolgamott, Northwest Energy Efficiency Alliance, Ask the Experts Lecture Series, online.
188. July 2020, *Transforming Buildings for COVID-19 & Energy Efficiency*, 60-minute presentation, University of Idaho Integrated Design Lab Idaho Power Lecture Series, online.
189. July 2020, *COVID-19 and Indoor Environments*, 60-minute presentation with Mark Fretz, Swinterton Construction Leadership Council, online.
190. July 2020, *Transforming Buildings for COVID-19 & Energy Efficiency*, 60-minute presentation, Northwest Energy Efficiency Alliance Product Council, online.
191. July 2020, *COVID & Schools Part 2*, 60-minute lecture with Ruwan Jayaweera and Angela Freeman, Portland Green Schools, online.
192. July 2020, [Faculty Perspectives: COVID-19](#), 45-minute presentation, University of Oregon, IntroDUCKtion, online.
193. June 2020, *COVID-19 solutions in Long-Term Care Communities: Regaining Control to Keep Seniors Safe*, 60-minute presentation with Phil Fogg Jr. and Stephen Turner, Washington Health Care Association, online.
194. June 2020, *COVID & Schools Part 1* – 60-minute lecture with Craig Lardiere, Kathleen Owen, and Gerry

- Glynn, Portland Green Schools, Portland, OR.
195. May 2020, [Pandemics and the Built Environment](#), 90-minute presentation with Mark Fretz, University of Oregon Provost's Lecture Series, OR.
 196. May 2020, IHBE Build Health Annual Industry Consortium Research Conference, 8-hour workshop with Mark Fretz and IHBE research staff, online.
 197. May 2020, *IHBE Build Health Research Updates*, 60-minute presentation, University of Oregon College of Design Advisory's Council Annual Meeting, online.
 198. February 2020, Microbiology of the Built Environment, Wuhan Architecture Abroad Program, University of Oregon, Eugene, OR,
 199. May 2019, IHBE Annual Meeting, two-day workshop, University of Oregon, Portland, OR.
 200. May 2019, *IHBE Research Updates*, 60-minute presentation, Pacific Northwest National Laboratory, Portland, OR.
 201. February 2019, *Design the UnSeen*, 60-minute presentation, Microbial Ecology and Theory of Animals Center for Systems Biology, University of Oregon, Eugene, OR.
 202. December 2019, *Design the UnSeen*, 30-minute presentation, Board of Trustees, University of Oregon, Eugene, OR.
 203. November 2019, *How to cost effectively eliminate carbon emissions from your commercial building: Getting ahead of the regulations*, 60-minute presentation with Jonathan Heller, Bellevue Chamber of Commerce and BOMA Chapter, Bellevue WA.
 204. September 2018, *Design the UnSeen*, 60-minute presentation with 60-minute panel discussion, American Institute of Architects, Idaho Chapter AIA Design Awards, Boise, ID.
 205. August 2018, *Research Updates from the Institute for Health in the Built Environment*, 60-minute online presentation with Mark Fretz, ARUP, San Francisco, CA.
 206. August 2018, *Research Updates from the Institute for Health in the Built Environment*, 60-minute presentation, CO Architects, Los Angeles, CA.
 207. May 2018, *Research Updates from the Institute for Health in the Built Environment*, 90-minute presentation, Northwest Energy Efficiency Alliance, Portland, OR.
 208. April 2018, *NEB4ZEB Non-Energy Benefits for Net-Zero Energy Buildings*, 45-minute presentation and tour, PNW Chapter of the American Energy Services Providers, Portland, OR.
 209. March 2018, *IHBE, ESBL & BioBE Research Updates*, 60-minute presentation, BAR Architects, San Francisco, CA.
 210. March 2018, *IHBE, An Ecology of Light – Steps to Daylighting Success*, UC-Berkeley ARCH 140 Introduction to Energy and Environment, 90-minute presentation, Brager and Schiavon, Berkeley, CA.
 211. March 2018, *ESBL & BioBE Research Updates*, 60-minute presentation, BAR Architects, San Francisco, CA.
 212. March 2018, *Ecology of Light: Daylight Design + Microbiomes of Light*, 60-minute presentation, UC Berkeley Architecture 140 (Brager, Schiavon), Berkeley, CA.
 213. February 2018, *UO-OHSU Microbiome Summit*, 4-hour workshop invited participant, Oregon Health Sciences University, Portland, OR.
 214. November 2017, *BioBE Center - Designing Healthier Buildings and Spaces*, 20-minute presentation in 4-hour workshop, Oregon State University, NIEHS Environmental Health Sciences Center Relaunch, Corvallis, OR.

215. November 2017, *ESBL & BioBE Research Updates*, 60-minute presentation, Pacific Northwest National Lab, Portland, OR.
216. August 2017, *Annual Energy and Daylight Co-Simulation for More Accurate Representation of Electric Lighting and Shading Controls in Buildings*, 1.25-hour seminar with Alen Mahić and Amir Nezamdoost, Building Energy Simulation Forum, Energy Trust of Oregon, Portland, OR.
217. March 2017, Northwest Energy Efficiency Alliance Commercial and Industrial Efficiency Sector, *ESBL & BioBE Research Updates for NEEA*, 60-minute presentation, Portland Oregon.
218. March 2017, *Natural Ventilation Workshop*, 4-hour workshop with Jeff Kline, Energy Trust of Oregon, Eugene, OR.
219. May 2016, *Research Empowers Design Transformation*, 60-minute presentation with G.Z. Brown, Kent Duffy, Jeff Yrazabel, AIA Oregon Design Conference, Gleneden Beach, OR.
220. May 2016, Research from UO ESBL and UO BioBE, 60-minute presentation, Oregon State University Wood Science Engineering Seminar Series, Corvallis, OR.
221. May 2016, Hacker Architects, *Research from UO ESBL and UO BioBE*, 60-minute presentation, Portland, OR.
222. November 2015, *How LEED v4 will Drastically Change Daylighting*, 60-minute presentation with Tom Hootman, Dan Glaser, Dane Sanders, Boulder & Associates Seminar, Washington DC.
223. September 2016, *How Biotech and Data Science can be used to Evaluate Cleantech in Buildings and Cities*, 15-minute presentation with Jessica L. Green, Oregon BEST FEST, Portland, OR.
224. May 2016, *Research updates from UO ESBL and UO BioBE*, 60-minute presentation, Oregon State University Wood Science Engineering Seminar Series, Corvallis, OR.
225. April 2016, *Research to inspire STEM from UO ESBL and UO BioBE*, 60-minute presentation with Gwynne Mhuireach, O'Hara Catholic School, Eugene, OR.
226. May 2016, *Research Empowers Design Transformation*, 60-minute presentation with G.Z. Brown, Kent Duffy (SRG), Jeff Yrazabel (SRG), AIA Oregon Design Conference 2016, Gleneden Beach, OR.
227. May 2016, *Transforming Architecture: A Festschrift Event in honor of G.Z. Brown*, organizer and moderator of 8-hour mini-conference with Kent Duffy (SRG), Ron Kellett (UBC), Gwynne Mhuireach (UO), and Michael Hatten (Solarc EG), University of Oregon, Eugene, OR.
228. March 2016, *Energy and Thermal Performance Considerations of Mass Timber Buildings*, 30-minute presentation, International Mass Timber Conference 2016, Portland, OR.

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229. Fall 2015, *Getting to Zero*, AIA Portland, organizer and moderator of four day workshop series with AIA Portland and invited guests, Portland, OR.
230. March 2015, *Daylighting Design Development: Getting the Details Right!*, 60-minute presentation, AIA Idaho Eastern Section, Pocatello, ID.
231. November 2014, UI-IDL Fall Lecture Series – *Holistic Lighting Design*, 90-minute presentation, Boise, ID.
232. November 2014, Idaho Power Energy Efficiency Advisory Group – *CSHQA HQ Measurement and Verification, and Model Predictive Control*, 45 presentation with Kent Hanway (CSHQA), Boise, ID.
233. October 2014, Solema, University of Washington, Seattle City Light, *DIVA Day – Environmental Performance Analysis in Design Practice and Research*, 8-hour workshop with Christoph Reinhart (Solemma) Alstan Jakubiec (Solemma), Mehlika Inanici (University of Washington), Niloufar Emami (University of Michigan), Tuan Tran (University of Hawaii), Seth Holmes (University of Hartford), Luisa

Caldas (UC-Berkeley), Erick Katzenstein (Mode Lab), Emilie Hagan, Henry Richardson, Michael Esposito (Atelier Ten), Scott Craford, Apoorv Goyal (LMN), Marty Brennan, Ed Clark (ZGF), Eddy Santosa – Seattle, WA.

234. September 2014, *Daylighting Schematic Design*, 60-minute presentation, AIA Idaho Mountain Section, Ketchum, ID.

235. September 2014, *Daylighting Design Development*, 60-minute presentation, AIA Idaho Mountain Section, Ketchum, ID.

236. September 2014, *Integrated Design Case Studies*, 60-minute presentation, AIA Idaho Eastern Section, Pocatello, ID.

237. September 2014, *15 Years of Energy Efficiency Market Transformation – Now What?*, 60-minute presentation, Center for Advanced Energy Studies, Idaho Falls, ID.

238. May 2014, *Integrated Design Principles + 2030 Update*, 60-minute presentation, AIA Idaho Central Section, Boise, ID.

239. February 2014, *Integrated Design Lab Update*, 30-minute lecture for Idaho Power Company's Energy Efficiency Advisory Group, Boise, ID.

240. January 2014, *UI-Integrated Design Lab 10th Anniversary*, 60-minute presentation, University of Idaho, Boise, ID.

241. November 2013, *UI-Integrated Design Lab: Collaborating for EE Market Transformation*, 60-minute presentation with Shree Willhite of Idaho Power Company, Northwest Power & Conservation Council, Boise, ID.

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242. March 2013, *Daylight Performance Metrics from Human Studies and Annual Simulation*, 60-minute presentation, AIA Idaho Central Section, Boise, ID.

243. August 2012, *Integrated Design Lab Network Highlights from 2000-2010*, 30-minute presentation, Northwest Energy Efficiency Alliance Quarterly Board Meeting, Boise, ID.

244. June 2012, *Integrated Lighting Controls Commissioning*, 45 presentation with Joel Loveland of the University of Washington, PNW Building Commissioning Association quarterly meeting, Spokane, WA.

245. February 2012, *Energy Efficiency in Idaho - Research and Practice*, 45 presentation with Todd Schultz of Idaho Power Company, Center for Advanced Energy Studies 2012 Idaho Research Symposium, Boise, ID.

246. January 2012, *Energy Efficiency Update*, Idaho Energy Collaborative Legislative Luncheon, 20-minute briefing, Boise, ID.

247. November 2011, *Existing Building Renewal Process*, 90-minute lecture with Mike Hatten of Solar AE, Integrated Design Lecture Series, University of Idaho-Integrated Design Lab, Boise, ID.

248. November 2011, *Overview of the Daylight Pattern Guide*, 30-minute online presentation, New Buildings Institute Quarterly Board Meeting, with Christopher Meek of the University of Washington.

249. October 2011, *Existing Building Renewal Panel*, 60-minute panel discussion with representatives from Blue Shield, Thornton Olliver Keller, Northwest Energy Efficiency Alliance and Idaho Power Company, Idaho Energy and Green Building Conference, Association of Idaho Cities, Boise, ID.

250. October 2011, *Daylighting Best Practices*, 75 lecture, Idaho Energy and Green Building Conference, Association of Idaho Cities, Boise, ID.

251. September 2011, *Integrated Design & Energy Efficiency Charrette*, 6-hour workshop with Gunnar Gladics and Sherry McKibben of UI, Bonneville Power Administration, Portland, OR.

252. September 2011, *Integrated Design Theory & Case Studies*, 4-hour workshop with Jason Butler of CTA A&E, AIA+2030 Lecture Series, AIA Idaho Chapter, Boise, ID.
253. August 2011, Western Energy Policy Research Conference, *Prioritizing and Visualizing Energy Management and Control System Data to Provide Actionable Information for Building Operators* 30-minute presentation with Carlos Duarte, Boise, ID
254. August 2011, *Integrated Design Process*, 60-minute lecture, AIA Idaho Chapter, Boise, ID.
255. May 2011, *Center for Advanced Energy Studies Energy Efficiency Research Institute*, 30-minute lecture, Yellowstone Business Partnership Annual Conference, Jackson Hole, WY.
256. April 2011, *University of Idaho Integrated Design Lab Research Update*, 60-minute lecture to Idaho Power Company's Spring Meeting for Customer Representatives, Idaho Power Company, Boise, ID.
257. April 2011, AIA-Seattle & Seattle City Light, *The Daylight Pattern Guide: Developing a Visual Vocabulary for Daylighting Design Decision Making*, 2.5-hour workshop with Christopher Meek – Cambridge, MA.
258. March 2011, *A Decade of Energy Savings: The Pacific Northwest University Integrated Design Lab Network*, 30-minute lecture for the President's Sustainability Symposium, University of Idaho, Moscow, ID.
259. March 2011, *Integrated Design Lab Update*, 45 lecture for North Central Idaho Green Technology Workshop, Clearwater Economic Development Association, Moscow, ID.
260. November 2010, *An Evaluation of Direct Energy Savings and Market Transformation of the Pacific Northwest University-based Energy Efficiency Lab Network from 2000-2010*, 2-hour presentation to the Northwest Energy Efficiency Alliance with G.Z. Brown and Joel Loveland, Portland, OR.
261. November 2010, *Architectural Research Methods*, 1-hour lecture for Ryan Smith's Research Methods Course, University of Utah, Salt Lake City, UT
262. October 2010, *Integrated Design Lab Update*, 30-minute lecture for Idaho Power Company's Energy Efficiency Advisory Group, Boise, ID.
263. August 2010, *Idaho Strategic Energy Alliance Roundtable on Industrial Energy Efficiency*, 4-hour workshop organizer with Don Sturtevant - Idaho National Lab, Idaho Falls, ID
264. October 2009, AIA Idaho Chapter - *Daylighting Design; Getting the Details Right*, 1-hour presentation - Boise, ID
265. April 2009 Northwest Energy Coalition, *Idaho's Energy Future*, 1.5-hour panel discussion with Ric Gale and John Gardner - Boise, ID
266. April 2009 Idaho Society for Healthcare Engineering, *Integrated Design and Healthy Hospitals*, 1.5-hour workshop - McCall, ID
267. April 2009, Green Building Seminar III - Green Homes, *Integrated Design, Putting it All Together*, 1-hour workshop - Idaho Falls, ID
268. October 2008, Integrated Design Lab Fall Education Series, *Commissioning: Getting High Performance Systems to Perform*, 1.5-hour workshop with Brad Acker - Boise, ID
269. October 2008, Idaho Sustainability Conference, *Lessons Learned in Integrated Design Processes*, 1.5-hour workshop - Sun Valley, ID
270. October 2008, Idaho Energy and Green Building Conference, *Light and Health in Buildings*, 1.5-hour workshop - Boise, ID
271. October 2008, Boise Public Library, *Energy Efficiency and Green Living Series*, 2-hour workshop moderator with panel members Jim Miller, Byron Defenbach, and John Gardner - Boise, ID

272. June 2008, University of Idaho Lunch and Learn, *Design Healthy Environments*, 1.5-hour workshop with Sherry McKibben - Boise, ID
273. May 2008, West Coast Energy Management Congress, *Integrating Project Delivery*, 2-hour workshop with Gary Christensen, Amy Hellmund, Rick Hunter, and Ken Baker - Seattle, WA
274. April 2008, CTA Architects, *Introduction to Integrated Design Processes*, two 8-hour workshops with Mike Hatten, Boz Van Houten, and Ery Djunaedy - Boise, ID
275. March 2008, United States Environmental Protection Agency Region 10, *The Role of Climate Responsive Design and Integrated Design for Energy Efficiency*, 2-hour workshop with Joel Loveland and G.Z. Brown - Seattle, WA
276. March 2008, Idaho Environmental Educators Conference, *The Value of Integrated Design for Idaho Schools*, 1-hour lecture, Boise, ID
277. January 2008, East Side Preparatory School, *Sustainability and Reconnecting to Nature with Architecture*, 1-hour lecture - Bellevue, WA
278. January 2008, National Electrical Contractors Associations Idaho Chapter Annual Meeting, *Integrating the Lighting Environment – Research and Practice of Daylight Sensing Lighting Controls*, 1-hour workshop with Frank Rice - Sun Valley, ID
279. January 2008 - April 2008, University of Idaho & Boise State University Professional Education, *Green Building*, four 8-hour workshops with Sherry McKibben, Ery Djunaedy, Rebecca Mirsky - Boise, ID
280. December 2007, ASHRAE Utah Chapter Meeting, *The Role of Daylight in Integrated Design*, 1-hour seminar - Salt Lake City, UT
281. June 2007, American Association for the Advancement of Science, *Project Based Education, A Model for Integrated Design*, 1-hour presentation - Boise, ID
282. October 2006, Idaho Energy Conference, *Integrated Design Case Studies*, 2-hour presentation - Boise, ID
283. June 2006, AIA Utah Daylighting Day, *Daylighting: Schematic Design, Design Development and Implementation*, 5-hour workshop - Salt Lake City, UT
284. April 2006, ASHRAE Idaho Chapter Annual Technical Conference, *Integrated Design Lessons Learned*, 1.5-hour presentation - Boise, ID
285. November, 2004 Idaho Energy Conference, *High Performance School Design*, 2-hour workshop with Richard Bauscher - Sun Valley, ID
286. June 2004, AIA Utah Daylighting Day, *Daylighting Design, Why and How*, 6-hour workshop with Charles Ehrlich, Salt Lake City, UT

Professional Consulting: *(updated 9/1/2022)*

Design process research and analyses and/or building operations measurement associated with daylighting, lighting, energy efficiency, indoor air quality, and integrated building systems as part of the UW Daylighting Lab or leading the UI Integrated Design Lab and UO Energy Studies in Buildings Laboratory. Below are 50 selected projects from over 400 projects consulted since 2000:

1. Andina Air Quality Assessments and Operational Recommendations, Andina Restaurant, Portland, OR, 2021.
2. Anonymous Dormitory Air Quality Assessment, North Carolina, 2020.
3. OSU Cascades Daylighting and Acoustical Design Support and Post-occupancy Assessment, Bend, OR; SRG Partnership, Portland, OR, 2019-2022.

4. Phil and Penny Knight Campus for Accelerating Scientific Impact, University of Oregon, Eugene, OR; Ennead Architects, NYC, NY; Bora Architects, Portland, 2017-2018.
5. Tykeson Hall, University of Oregon, Eugene, OR; Rowell Brokaw Architects, Eugene, Or, 2015-2017.
6. Multnomah County Courthouse, Portland, OR; SRG Partnership, Portland, OR, 2015-2017.
7. Eugene City Hall, Eugene, OR; Rowell Brokaw Architects, Eugene, Or, 2015-2016.
8. Bullitt Center (AIA COTE Top 10), Seattle, WA; Miller Hull, Seattle, WA; 2013-2016.
9. Jefferson Library, Jefferson, OR; Rowell Brokaw Architects, Eugene, Or, 2015-2016.

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10. Simplot World Headquarters (under construction), Boise, ID; Adamson Associates, Los Angeles, CA; 2014-2015.
11. College of Southern Idaho Campus Master Plan, Twin Falls, ID; CTA Architects and Engineers, Boise ID; 2015.
12. College of Western Idaho Campus Master Plan, Nampa, ID; CTA Architects and Engineers, Boise ID; SRG Partnership, Seattle, WA; 2013-2014.
13. Riverside Hotel (deep energy renovation), Boise, ID; Site-Based Energy, Boise, ID; 2012-2013.
14. Christensen Corporation Near Zero Office Building One, Boise; CTY Studio, Boise, ID; 2012-2013.
15. Iowa Utilities Board / Office of the Consumer Advocate Office Building (AIA COTE Top 10 Plus, LEED-NC, Platinum), BNIM Architects, Des Moines, Iowa, 2012-2013.

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16. Jade Mountain Resort, St. Lucia; Modus Architects, Boise, ID, 2011-2012.
17. 9th & Idaho (deep energy renovation), Boise, ID; Engineering Consultants Inc, Boise, ID, 2010-2012.
18. Sentsy Campus (office tower, manufacturing), Meridian, ID; CTA A&E, Boise, ID, 2010-2012.
19. Capital Gateway Plaza I & II (deep energy renovation), Boise, ID, 2011-2012.
20. Battelle Technical Support Building, Idaho Falls, ID; INL Architects, Idaho Falls, ID; 2010.
21. Van Buren Elementary School (LEED-NC, Silver) Caldwell, ID; McKinstry & LKV Architects, Boise, ID; 2008-2010.
22. Washington Elementary School (LEED-NC, Gold) Caldwell, ID; McKinstry & LKV Architects, Boise, ID; 2008-2010.
23. Idaho Pulmonary Associates (LEED-NC, Certified), Meridian, ID; Insight Architects, Boise, ID; 2007-2009.
24. College of Southern Idaho Health Sciences and Human Services (LEED-NC, Gold), Twin Falls, ID; CTA Architects and Engineers, Boise, ID; 2007-2009.
25. Rocky Mountain Hardware (LEED-NC, Gold), Hailey, ID; Ruscitto Latham Blanton Architects, Ketchum, ID; 2007-2009.
26. St. Alphonsus Regional Medical Center - South Tower Renovation, Boise, ID; Corporate Facilities, Boise, ID; 2005-2008.
27. St. Luke's Magic Valley Regional Medical Center, Twin Falls, ID; Hummel Architects, Boise, ID and Architectural Nexus, Salt Lake City, UT; 2005-2008.
28. Long Valley Operations Center (LEED-NC Gold), Lake Fork, ID; Modus Architects, Boise, ID; 2007-2008.
29. Center for Advanced Energy Studies (LEED-NC, Gold), Idaho Falls, ID; GSBS Architects, Salt Lake City, UT; 2005-2007.
30. Sustainable Community One (unbuilt), Boise, ID; AH2A Architects, Boise, ID; 2007.

31. Wild Oats Prototype Grocery Store (LEED-NC, Registered), Boulder, CO; CSHQA Architects, Boise, ID; 2005-2006.
32. Ada County Weed & Pest Control (LEED-NC, Silver), Meridian, ID; LCA Architects, Boise, ID; 2005-2004-2006.
33. Barber Park Administration and Raft Maintenance Facility (LEED-NC, Certified), Boise, ID; McKibben + Cooper Architects, Boise, ID; 2004-2005.
34. Albertson's Prototype Grocery and Drug Stores, Anywhere, USA; Albertson's Corporate & CSHQA Architects, Boise, ID; 2002-2005.
35. Benjamin Franklin Elementary School, (AIA COTE Top 10, LEED-NC, Gold), Seattle, WA; Mahlum Architects, Seattle, WA; 2003-2004.
36. Seattle Park 90/5 C (LEED-NC, Gold), Seattle, WA; DKA Architects, Seattle, WA; 2003-2004.
37. Banner Bank Building (LEED-CS, Platinum), Boise, ID; HDR Architects, Boise, ID; 2003-2004.
38. Front 5 Building (LEED-NC, Certified), Boise, ID; Cole + Poe Architects, Boise, ID; 2003-2004.
39. Yesler Community Center (LEED-NC, Gold), Seattle, WA; Mithun Architects, Seattle, WA; 2002-2004.
40. EX3 Teen Center, Federal Way, WA; Weinstien AU, Seattle, WA; 2002-2003.
41. High Point Community Center (LEED, Certified), Seattle, WA; Streeter Architects, Seattle, WA; 2003.
42. Carkeek Park Environmental Learning Center, Seattle, WA; Selkirk Miller Hyashi, Seattle, WA; 2003.
43. Seattle Justice Center (LEED Silver), Seattle, WA; NBBJ Architects, Seattle, WA; 2000-2003.
44. Ballard Library and Neighborhood Center (AIA COTE Top 10), Bohlin Cywinski Jackson, Seattle, WA, 2002-2003.
45. Northeast Branch Library, Seattle, WA; The Miller Hull Partnership, Seattle, WA; 2003.
46. Pierce County Environmental Services (AIA COTE Top 10 Award), Tacoma, WA; The Miller Hull Partnership, Seattle, WA; 2000-2003.
47. Teton Science School, Jackson Hole, WY; Mithun Architects, Seattle, WA; 2002-2003.
48. Stephen Epler Hall at Portland State University (LEED-NC, Silver), Portland, OR; Mithun Architects, Seattle, WA; 2001-2003.
49. Merrill Hall Center for Urban Horticulture (LEED-NC, Silver), Seattle, WA; The Miller Hull Partnership, Seattle, WA; 2003.
50. Ebsworth Residence, Seattle, WA; Olson Sundberg Kundig Allen, Seattle, WA; 2001.
51. Tacoma Art Museum, Tacoma, WA; Antoine Predock, Albuquerque, NM and Olson Sundberg Kundig Allen, Seattle, WA; 2000-2001.
52. American Honda Regional Training & Distribution Center (LEED-NC, Gold), Portland, OR; Group MacKenzie Architects Portland, OR; 2000-2001.
53. Seattle City Hall (LEED-NC, Gold), Seattle, WA; Bohlin Cywinski Jackson Architects, Seattle, WA; 2000-2001.

Gifts Received in Support of Research and Teaching: *(updated 9/1/2022)*

Awarded over \$1.4M in gifts (2004-present) in support of research and teaching; while directing the UO-Energy Studies in Buildings Laboratory (2015-present; \$1,262,500) and UI-Integrated Design Lab (2004-2015; \$154,156).

1. "Cash Gift" from Northwest Energy Efficiency Alliance to University of Oregon Energy Studies in Buildings Laboratory, \$110,000; 2021.

2. *Cash Gift* to College of Design Institute for Health in the Built Environment; Calendar year beginning May 2021:
 - a. \$35,000 from Nike
 - b. \$40,000 from Velux
 - c. \$35,000 from Swinerton
 - d. \$20,000 from Condair
 - e. \$6,000 from SRG Partnership
 - f. \$6,000 from Perkins + Will
 - g. \$6,000 from PAE Engineers
 - h. \$5,000 from ENNE Arquitectos
 - i. \$3,500 from Enviral Tech
 - j. \$2,500 from Dwyer International
3. *Cash Gift* from Northwest Energy Efficiency Alliance to University of Oregon Energy Studies in Buildings Laboratory, \$110,000; 2020.
4. *Cash Gift* to College of Design Institute for Health in the Built Environment; Calendar year beginning May 2020:
 - a. \$50,000 from Anonymous
 - b. \$35,000 from Nike
 - c. \$35,000 from Velux
 - d. \$35,000 from Swinerton
 - e. \$15,000 from Condair
 - f. \$6,000 from SRG Partnership
 - g. \$6,000 from Perkins + Will
 - h. \$6,000 from PAE Engineers
 - i. \$6,000 from Scott Edwards Architects
 - j. \$5,000 from Ankrom Moisan
 - k. \$4,500 from TRC
 - l. \$2,500 from Covicat
 - m. \$2,500 from Mechoshade
 - n. \$2,500 from Z BioSciences
5. *Cash Gift* to College of Design Institute for Health in the Built Environment; Calendar year beginning May 2019:
 - a. \$35,000 from View Dynamic Glazing
 - b. \$35,000 from Microsoft
 - c. \$35,000 from Nike
 - d. \$5,000 from Hickock Cole
 - e. \$6,000 from SRG Partnership
 - f. \$6,000 from Perkins + Will
 - g. \$6,000 from PAE Engineers
 - h. \$6,000 from Scott Edwards Architects
 - i. \$2,500 from Center of Design for an Aging Society
 - j. \$2,500 from Ankrom Moisan Architects

- k. \$2,500 from Mechoshade
 - l. \$2,500 from Z BioSciences
 - m. \$2,500 from CO Architects
 - n. \$2,500 from Rudy Munzell
6. "Cash Gift" to College of Design Institute for Health in the Built Environment; Calendar year beginning April 2018:
- a. \$35,000 from Siemens Industry Inc
 - b. \$15,000 from Method Soap People Against Dirty
 - c. \$5,000 from SRG Partnership
 - d. \$5,000 from EYP Architecture & Engineering
 - e. \$5,000 from Perkins + Will
 - f. \$5,000 from PAE Engineers
 - g. \$5,000 from Scott Edwards Architects
 - h. \$2,500 from Point Energy Innovations
 - i. \$2,500 from Lacey Glass
 - j. \$2,500 from Skanska
 - k. \$2,500 from Center of Design for an Aging Society
 - l. \$2,500 from SERA Architects
 - m. \$2,500 from Ventacity
7. "Cash Gift" from Northwest Energy Efficiency Alliance to University of Oregon Energy Studies in Buildings Laboratory, \$275,000; 2018-2019.
8. "Cash Gift" from Northwest Energy Efficiency Alliance to University of Oregon Energy Studies in Buildings Laboratory, \$275,000; 2016-2017.

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- 9. "Equipment Gift" from the Northwest Energy Efficiency Alliance to the University of Idaho Integrated Design Lab, \$24,556; 2015.
- 10. "Cash Gift" from Northwest Energy Efficiency Alliance to University of Idaho Integrated Design Lab, \$117,600; 2015.

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- 11. "Cash Gift" from Boise Cascade, NEEA, HDR Architects, CTA Architects to University of Idaho Integrated Design Lab for demonstration at the new lab facility, \$5,000; 2011.
- 12. "Cash Gift" from Intermountain Gas Company to University of Idaho Integrated Design Lab, \$10,000; 10/2004.

Grants and Contracts Awarded: (updated 9/1/2022)

Awarded over \$39.18M in externally funded research and outreach (2004-present); while directing the UO-Energy Studies in Buildings Laboratory (2015-present; \$32,084,159) and UI-Integrated Design Lab (2004-2015; \$7.1M).

- 1. Title –*www.SafeAirSpaces.com Webtool Development*
 Contract with: *Balvi.io*, contract in process
 Dates: *10/15/2022-4/15/2023*
 Amount: *\$25,000*

PI: Kevin Van Den Wymelenberg

Co-PI: Hooman Parhizkar

2. *Title –Build Back Better with Mass Timber – Oregon Acoustics Research Laboratory*
Contract with: U.S. Economic Development Administration, contract in process
Dates: 12/15/2022-12/14/2026
Amount: \$ 14,596,800 to University of Oregon; part of \$41.4M Award to Oregon Mass Timber Coalition
 PI: Cassandra Mosely, Interim Vice President of Research
 Co-PI: Kevin Van Den Wymelenberg
 Co-PI: Judith Sheine
3. *Title – Build Back Better with Mass Timber – Mass Timber Affordable Housing Prototyping*
Contract with: U.S. Economic Development Administration, contract in process
Dates: 12/15/2022-12/14/2024
Amount: \$2,000,000
 PI: Cassandra Mosely, Interim Vice President of Research
 Co-PI: Judith Sheine
 Co-PI: Kevin Van Den Wymelenberg
4. *Title – Build Back Better with Mass Timber – Mass Timber Affordable Housing Prototyping*
Contract with: Business Oregon University Innovation Research Fund, contract in process
Dates: 12/15/2022-12/14/2026
Amount: \$3,974,700 to University of Oregon; part of \$5.925M Award to UO and OSU
 PI: Cassandra Mosely, Interim Vice President of Research, University of Oregon
 Co-PI: Iain MacDonald & Erica Fisher, Oregon State University
 Co-PI: Judith Sheine, Kevin Van Den Wymelenberg
5. *Title – Taskshade LLC*
Contract with: UO Innovation Partnership Services, Taskshade LLC
Dates: 04/1/2022-09/30/2022
Amount: \$39,000
 PI: Kevin Van Den Wymelenberg, via Taskshade LLC
6. *Title – OR Codes: Oregon residential energy code comparison to federal minimum requirements (AMD 1)*
Contract with: State of Oregon, Oregon Department of Energy
Dates: 04/18/2022-08/31/2022
Amount: \$31,300
 PI: Kevin Van Den Wymelenberg
 Co-PI:
7. *Title – HomeWork: Milwaukie Courtyard Housing Project (MCHP) Energy Analysis*
Contract with: HomeWork, subaward. Parent funder, Energy Trust of Oregon Inc.
Dates: 02/14/2022-12/31/2022
Amount: \$33,000
 PI: Mark Fretz
 Co-PI: Kevin Van Den Wymelenberg
8. *Title – TDI: Forest to Facade - Developing Seismic + Energy Mass Timber Commercial Facade Retrofits*
Contract with: Tallwood Design Institute, Oregon State University

- Dates: 07/01/2022-06/30/2024*
Amount: \$150,000
PI: Mark Fretz
Co-PI: Kevin Van Den Wymelenberg, Judith Sheine
9. *Title – TDI: Reuse Potential of Mass Timber Constructions*
Contract with: Tallwood Design Institute, Oregon State University
Dates: 09/15/2022-09/14/2024
Amount: \$60,000
PI: Mark Fretz
Co-PI: Judith Sheine, Kevin Van Den Wymelenberg
10. *Title – Nike Sustainable Building Materials Guide*
Contract with: Nike, Inc.
Dates: 10/01/2020-12/31/2021
Amount: \$50,000
PI: Kevin Van Den Wymelenberg
Co-PI: Mark Fretz
11. *Title – Port of Portland: Mass Timber Coalition*
Contract with: Port of Portland
Dates: 01/01/2022-12/31/2022
Amount: \$60,000 (\$20,000 to ESBL)
PI: Judith Sheine
Co-PI: Mark Fretz, Kevin Van Den Wymelenberg
12. *Title – Shortstack: Mass plywood panel (MPP) missing middle housing research and development*
Contract with: Shortstack Housing LLC subaward. Parent funder USDAFS WIG
Dates: 11/01/2021-12/31/2022
Amount: \$39,974
PI: Mark Fretz
Co-PI: Judith Sheine, Kevin Van Den Wymelenberg
13. *Title – STTR Subaward: Health effects of indoor air contaminants on People in different Building Types, Clean Air Management System (CAMS)*
Contract with: Burch Energy Services, LLC, subaward. Parent funder, USDOE SBIR
Dates: 07/01/2021-06/30/2022
Amount: \$60,000
PI: Kevin Van Den Wymelenberg
14. *Title – DE: Integrated Health and Energy Levers to Promote Climate Benefits, Community Integrated Health and Energy Levers to Promote Climate Benefits, Community Resilience, and Public Health (I-HELP Community)*
Contract with: Diversifying Energy contract. Parent funder Portland General Electric Company
Dates: 07/01/2021-06/30/2022
Amount: \$32,009
PI: Kevin Van Den Wymelenberg
15. *Title – Onsite: Indoor Air Quality Assessment of PhotoCatalytic Oxidation (PCO)*

- Contract with: Genesis Air*
Dates: 03/29/2021-09/30/2021
Amount: \$98,520
PI: Kevin Van Den Wymelenberg
16. *Title – DB Engineering: Indoor Air Quality Assessment of Dielectric Bipolar Ionization (DBPI)*
Contract with: DB Engineering
Dates: 03/11/2021-08/31/2021
Amount: \$74,954
PI: Kevin Van Den Wymelenberg
Co-PI: Mark Fretz
17. *Title – CFSRI: Impact of school facilities on student engagement and learning*
Contract with: California School Facilities Research Institute
Dates: 3/2021-10/2021
Amount: \$50,000
PI: Alison Kwok
Co-PI: Kevin G. Van Den Wymelenberg, Mark Fretz, John Seeley
18. *Title – Smith’s Detection Environmental Detection of SARS-CoV-2 from Occupants with COVID-19*
Contract with: Smith’s Detection
Dates: 2/2021-12/2021
Amount: \$78,832
PI: Kevin G. Van Den Wymelenberg
19. *Title – DHS-OHA: Improving ventilation and environmental disinfection in the long-term care setting to reduce exposure to SARS-CoV-2*
Contract with: Center for Disease Control via OR Department of Human Services, Oregon Health Authority
Dates: 2/2021-7/2024
Amount: \$174,998
PI: Kevin G. Van Den Wymelenberg
20. *Title – Integration of HDR Imaging with Infrared Thermostat Dynamic Façade & Electric Lighting Control*
Contract with: Murdock Charitable Trust and Avista Corporation via University of Idaho
Dates: 7/2020-6/2021
Amount: \$62,000 total, UO share \$15,000
PI: Damon Woods, University of Idaho
UO PI: Kevin G. Van Den Wymelenberg
21. *Title – Microbial Genomic, Transcriptomic, and Survival Response to Common Built Environment Lighting*
Contract with: National Science Foundation
Dates: 11/2020-10/2023
Amount: \$325,000
PI: Kevin G. Van Den Wymelenberg
Co-PI: Jonathan Eisen, UC Davis
22. *Title – Overcoming market barriers to increase use of structural mass timber in healthcare environments*
Contract with: USDA Forest Service, Wood Innovations
Dates: 09/2020-08/2022

Amount: \$249,942

PI: Kevin G. Van Den Wymelenberg

Co-PI: Mark Fretz

Co-PI: Gwynne Mhuireach

23. *Title – Developing an application for mass plywood panels in seismic and energy wall retrofits*

Contract with: USDA Forest Service, Wood Innovations

Dates: 11/2020-10/2023

Amount: \$249,962

PI: Mark Fretz

OSU PI: Andre Barbosa

Co-PI: Judith Sheine

Co-PI: Jason Stenson

Co-PI: Kevin G. Van Den Wymelenberg

24. *Title – Carbon Narratives for Design Planning*

Contract with: USDA Forest Service, Agricultural Research Station, via OSU & TallWood Design Institute

Dates: 09/2020-08/2022

Amount: \$184,327

PI: Mark Fretz

Co-PI: Alison Kwok, Kevin G. Van Den Wymelenberg

25. *Title – Nike Indoor Environmental Quality Standards Update*

Contract with: Nike Inc.

Dates: 1/2021-12/2021

Amount: \$48,729

PI: Kevin G. Van Den Wymelenberg

26. *Title – EHCS: Missing links in characterization of viral aerosols and indoor transmission risks*

Contract with: NIEHS via Oregon State University, Environmental Health Sciences Center

Dates: 12/2020-11/2021

Amount: \$25,000

PI: Kevin G. Van Den Wymelenberg

Co-PI: Hooman Parhizkar

27. *Title – UV Disinfection Literature Review*

Contract with: Department of Defense via National Institute of Building Sciences and Clanton & Associates

Dates: 10/2020-12/2020

Amount: \$25,000

PI: Kevin G. Van Den Wymelenberg

28. *Title – Thermo Fisher Air Sampler for SARS-CoV-2 Detection for Environmental Screening of COVID-19*

Contract with: Thermo Fisher Scientific

Dates: 9/2020-6/2022

Amount: \$1,442,794

PI: Kevin G. Van Den Wymelenberg

29. *Title – The impact of species, coatings, and RH on microbial community structure in mass timber products*

Contract with: USDA Forest Service, Agricultural Research Station, via OSU & TallWood Design Institute

Dates: 7/2020-6/2022

Amount: \$250,000, UO share \$159,999

PI: Kevin G. Van Den Wymelenberg

OSU PI: Gerald Presley

30. *Title – Western States Building Energy & Controls Apprenticeship Program*

Contract with: US Department of Energy via Lance Community College

Dates: 6/2020-5/2023

Amount: \$350,000; UO Share, \$150,000

PI: Roger Ebbage (Lane Community College)

UO PI: Kevin G. Van Den Wymelenberg

31. *Title – Micro-acoustic floor-ceiling test chamber*

Contract with: USDA Forest Service, Agricultural Research Station, via OSU & TallWood Design Institute

Dates: 7/2020-6/2021

Amount: \$30,000

PI: Kevin G. Van Den Wymelenberg

32. *Title – Brown Paper Bag PPE Safety and Effectiveness in Healthcare Settings*

Contract with: Oregon Health & Science University

Dates: 6/2020-11/2020

Amount: \$74,913; UO Share, \$21,528

PI: Bory Kea

UO PI: Kevin G. Van Den Wymelenberg

33. *Title – Piloting real-time environmental monitoring & identification of SARS-CoV-2 in the Hospital Built Environment*

Contract with: Oregon Health & Science University

Dates: 6/2020-11/2020

Amount: \$75,000; UO Share, \$58,675

PI: Robert Martindale

UO PI: Kevin G. Van Den Wymelenberg

34. *Title – Lighting Futures: Higher Education*

Contract with: Lutron Corporation

Dates: 1/2020-12/2020 (awarded, contract in process)

Amount: \$10,000

PI: Kevin G. Van Den Wymelenberg

Co-PI: Siobhan Rockcastle

35. *Title – Human Impacts of Environmental Factors*

Contract with: Lutron Corporation

Dates: 1/2020-12/2020 (awarded, contract in process)

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Co-PI: Siobhan Rockcastle

36. *Title – UO RESILIENCE 2019 SEED – Grid Enhancing Resilient Housing; Award with: University of Oregon*

Dates: 1/2020-12/2021

- Amount: \$49,412*
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Dr. Kory Russel, Heather Brinton, Joshua Skov
37. *Title - KalWall Testing Polycarbonate with Gonio-Photometer at LBNL*
Contract with: KalWall Corporation
Dates: 0/2019-06/2020
Amount: \$24,777
PI: Kevin G. Van Den Wymelenberg
38. *Title - Siemens: Quantifying the Non-Energy Benefits of End-to-End Digitization of the Maintenance*
Contract with: Siemens Corporation
Dates: 9/2019-5/2021
Amount: \$65,561
PI: Kevin G. Van Den Wymelenberg
39. *Title – Putting the Design Back into Daylighting Design Analysis & Current Trends in Daylighting*
Contract with: Pacific Gas & Electric, Pacific Energy Center
Dates: 9/2019 – 12/2019
Amount: \$18,000
PI: Kevin G. Van Den Wymelenberg
Co-I: Siobhan Rockcastle
40. *Title – 2019 UO-OHSU Seed Grant Phase 2 - Predicting Healthcare-Associated Clostridioides Difficile Infection Probabilities in Inpatient Units; Award with: University of Oregon and Oregon Health Sciences University Collaborative Seed Grant Program*
Dates: 7/2019-6/2020
Amount: \$47,121
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Dr. Robert Martindale (OHSU)
41. *Title – TCORE Visual Comfort Study*
Contract with: ZGF Architects
Dates: 7/2019 – 9/2019
Amount: \$26,000
PI: Siobhan Rockcastle
Co-I: Kevin G. Van Den Wymelenberg
42. *Title - OHSU Sink Splash Zone Investigation and Behavioral Monitoring on 14K Oncology Unit*
Contract with: OHSU Infection Prevention
Dates: 6/2019-6/2019
Amount: \$3,860
PI: Kevin G. Van Den Wymelenberg
43. *Title - TDI Acoustical Field Testing of Mass Timber Buildings*
Contract with: US Dept. of Agriculture ARS via PTE Oregon State University
Dates: 6/2019-06/2020
Amount: \$25,000 (with \$11,875 UO Match for total 36,875)
PI: Kevin G. Van Den Wymelenberg

44. *Title – Facilitation of Acoustics Testing for Sustainable Mass Timber Technologies, Leading to Publication of Open Source Acoustics Data for Standard Acoustics Scenarios*
Contract with: US Forest Service
Dates: 0/2019-09/2022
Amount: \$250,000
PI: Kevin G. Van Den Wymelenberg
Co-PI: Judith Sheine
45. *Title – Comparing real scenes to HDR photographs on VR, HDR, and LDR Displays*
Contract with: US DOE via Pacific Northwest National Lab
Dates: 3/2019-10/2019
Amount: \$75,000
PI: Siobhan Rockcastle
Co-PI: Kevin G. Van Den Wymelenberg
46. *Title – The role of indoor workplace lighting exposure*
Contract with: Lutron Corporation
Dates: 12/2018-04/2019
Amount: \$9,500
PI: Kevin G. Van Den Wymelenberg
Co-PI: Siobhan Rockcastle
47. *Title – Workplace of the future*
Contract with: Lutron Corporation
Dates: 02/2019-04/2019
Amount: \$10,000
PI: Kevin G. Van Den Wymelenberg
Co-PI: Siobhan Rockcastle
48. *Title – TDI Acoustic Laboratory Construction Support*
Contract with: Internal University of Oregon, TallWood Design Institute
Dates: 1/2019-12/2019
Amount: \$100,000
PI: Kevin G. Van Den Wymelenberg
Co-PI: Judith Sheine
49. *Title – Virtual Lighting Design*
Contract with: Nuckolls Fund for Educational Lighting
Dates: 10/2018 – 9/2019
Amount: \$20,000
PI: Siobhan Rockcastle
Co-I: Kevin G. Van Den Wymelenberg
50. *Title: Various small contracts*
Contract with: Varies
Dates: 2018
Amount: \$17,963 (UO CPFM Knight Campus Visual Comfort Analysis, \$10,000; John Rowell 2018 Terminal Studio Integrated Design Unthank Studio Support, \$5,000; SRG Architects Springfield Indoor \$2,963)

51. *Title – TDI Acoustic Laboratory Construction Support*
Contract with: Oregon State University, TallWood Design Institute
Dates: 9/2018-12/2018
Amount: \$50,000
PI: Kevin G. Van Den Wymelenberg
52. *Title – TDI Acoustic Lab Testing of Typical Multi-family Residential CLT Wall and Floor Assemblies*
Contract with: Oregon State University, TallWood Design Institute
Dates: 5/2018-12/2018
Amount: \$138,350 (+\$25,000 direct invoiced to OSU)
PI: Kevin G. Van Den Wymelenberg
53. *Title – HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*
Contract with: Pacific Gas & Electric, Pacific Energy Center
Dates: 10/2018
Amount: \$14,500
PI: Kevin G. Van Den Wymelenberg
54. *Title – 2018 UO-OHSU Seed Grant - Predicting Healthcare-Associated Clostridioides Difficile Infection Probabilities in Inpatient Units; Award with:* University of Oregon and Oregon Health Sciences University Collaborative Seed Grant Program
Dates: 7/2018-6/2019
Amount: \$50,000
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Dr. Robert Martindale (OHSU)
55. *Title – High Impact Opportunity Project – OIC Acoustics Chamber*
Contract with: Business Oregon
Dates: 4/2018-7/2019
Amount: \$702,218 (awarded, contract in progress)
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Judith Sheine
56. *Title – Published Monitored Spectral Power Distribution Data*
Contract with: The Dyson Corporation
Dates: 4/2018-7/2018
Amount: \$9,736 (awarded, contract in progress)
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Frank Vignola
57. *Title – Research and Development of Isocyanate-free and Formaldehyde-free Adhesives for CLT and*
Contract with: US Dept. of Agriculture ARS via PTE Oregon State University
Dates: 7/2018-6/2020
Amount: 150,000 (total award; UO Award 50,000; Additional UO cost-share \$12,500)
PI: Kaichang Li
Co-Investigators : Kevin G. Van Den Wymelenberg
UO PI: Kevin G. Van Den Wymelenberg

58. *Title – Views and Shades Annotated Bibliography: Health, Comfort, Productivity and Organizational Commitment*
Contract with: Lutron Corporation
Dates: 03/2018-03/2019
Amount: \$12,500 (awarded, complete)
PI: Kevin G. Van Den Wymelenberg
59. *Title – Testing BetterAir Environmental Probiotic Treatments*
Contract with: BetterAir North America LLC
Dates: 1/2018-12/2018
Amount: \$57,164
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Jessica Green
60. *Title – Northwest Energy Efficiency Alliance Integrated Design Lab*
Contract with: Northwest Energy Efficiency Alliance (NEEA)
Dates: 1/2018-12/2021
Amount: \$646,977
PI: Kevin G. Van Den Wymelenberg
61. *Title: Various small contracts*
Contract with: Varies
Dates: 2017
Amount: \$11,624 (SRG Architects, UC San Diego Equine Performance Center Consultation \$2,000; YBA Architects Rockwood Consultation \$1,000; Energy Trust of Oregon, Natural Ventilation Training \$1500; Frerking Architects, Barbour Radiant Wall Consultation \$1,406; Ivon Studio, \$1,000; Solarc Energy Group, \$4,718; Sheine 2017 Lane County Courthouse Studio Integrated Design Support, \$5,000)
62. *Title – Biology and Built Environment (BioBE) Center*
Contract with: Alfred P. Sloan Foundation
Dates: 11/2017-10/2019
Amount: \$999,998
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Jessica Green, Erica Hartmann (Northwestern) Curtis Huttenhower (Harvard)
63. *Title – 2014 OEESC & ASHRAE 90.1 2013 Energy Consumption Comparisons – Task Order #3*
Contract with: State of Oregon – Oregon Department of Energy
Dates: 11/2017-12/2018
Amount: \$40,974
PI: Kevin G. Van Den Wymelenberg
64. *Title – King County Jameson ArcWeld Replacement – Qualitative Design Assistance*
Contract with: MWA Architects
Dates: 11/2017-10/2018
Amount: \$10,000 (awarded, contract in progress)
PI: Kevin G. Van Den Wymelenberg
65. *Title – Visible Spectral Transmission and Color Rendering Index*
Contract with: Kalwall Corporation

- Dates: 10/2017-08/2018*
Amount: \$15,250 (awarded, complete)
Amount: \$12,250 (awarded, complete)
Amount: \$3,051 (awarded, complete)
PI: Kevin G. Van Den Wymelenberg
66. *Title – HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*
Contract with: Pacific Gas & Electric, Pacific Energy Center
Dates: 11/2017
Amount: \$19,300
PI: Kevin G. Van Den Wymelenberg
67. *Title – Define & Validate Algorithm for Predicting Absolute Spectral Irradiance for Daylight*
Contract with: The Dyson Corporation
Dates: 9/2017-12/2017
Amount: \$17,000
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Frank Vignola
68. *Title – Diversifying Cropping Systems Through Cover Crops and Targeted Grazing: Impacts on plant-microbiome-insect interactions, yield and economic returns*
Contract with: Montana State University
Dates: 09/2017-08/2020
Amount: \$19,153
PI: Sue Ishaq Pellegrini
Co-Investigators: Kevin G. Van Den Wymelenberg
69. *Title – Wellspring Consulting with UO ESBL and BioBE Center*
Contract with: Alfred P. Sloan Foundation
Dates: 8/2017-7/2018
Amount: \$125,000
PI: Kevin G. Van Den Wymelenberg
Co-Investigators: Jessica Green
70. *Title – PCC vs. R&H - ESBL Testimony*
Contract with: Lorber, Greenfield, & Polito, LLP
Dates: 7/2017-12/2017
Amount: \$6,934
PI: Kevin G. Van Den Wymelenberg
- a. *Continuation of: Title – PCC Newberg Construction Moisture Analysis*
Contract with: Miller Nash Graham & Dunn LLP
Dates: 4/2016-8/2017
Amount: \$177,937
PI: G.Z. Brown
Lab Unit Head: Kevin G. Van Den Wymelenberg
71. *TallWood Supplemental Research Proposal*
Contract with: State of Oregon via PTE Oregon State University

Dates: 5/2017-6/2020

Amount: \$165,523 (Smart CLT Supplement \$16,500; Tallwood IAQ Supplement \$7,500; Living Lab @ Peavy Hall Supplement \$19,000; Acoustics Testing \$115,023)

PI: Kevin G. Van Den Wymelenberg

72. *Title – Net-Zero Energy TallWood Design*

Contract with: US Dept. of Agriculture ARS via PTE Oregon State University

Dates: 7/2017-6/2019

Amount: \$188,923 (\$150,000 UO requested, \$38,923 UO cost-share)

PI: Kevin G. Van Den Wymelenberg

73. *TallWood Buildings and Indoor Environmental Quality*

Contract with: US Dept. of Agriculture ARS via PTE Oregon State University

Dates: 7/2017-6/2018

Amount: \$31,250 (\$25,000 UO requested, \$6,250 UO cost-share)

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Jessica L. Green

74. *Title – Living Lab @ Peavy Hall: Structural Health Performance of Mass Timber Buildings*

Contract with: US Dept. of Agriculture ARS via SubAward from Oregon State University

Dates: 7/2017-6/2020

Amount: \$16,458 (\$12,500 UO requested, \$3,958 UO cost-share; \$250,000 with Co-PIs)

PI: Kevin G. Van Den Wymelenberg

75. *Title – HDR Photography for Evaluation and Design of Daylighting & Electric Lighting*

Contract with: Pacific Gas & Electric, Pacific Energy Center

Dates: 9/2016

Amount: \$15,632

PI: Kevin G. Van Den Wymelenberg

76. *Title – 2016 Incubating Interdisciplinary Initiatives (I 3) Award - Personalized Thermal Comfort in the Built Environment*

Award with: University of Oregon Office of the Vice President for Research and Innovation

Dates: 9/2016-8/2017

Amount: \$50,000

PI: Christopher Minson

Co-Investigators: John Halliwill, Susan Sokolowski, Kevin G. Van Den Wymelenberg

77. *Title – Dyson Hygiene and Hand Drying*

Contract with: The Dyson Corporation

Dates: 8/2016-7/2017

Amount: \$35,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Jessica L. Green

78. *Title – UO Energy Reports Annotated Bibliography*

Contract with: UO Campus Operations

Dates: 7/2016-11/2016

Amount: \$7,500

PI: Kevin G. Van Den Wymelenberg

79. *Title – UO Tykeson Hall Design Assistance*

Contract with: UO Campus Operations

Dates: 7/2016-2/2017

Amount: \$12,000

PI: Kevin G. Van Den Wymelenberg

80. *Title – Design, Manufacture, and Construction of Next Generation Tall Wooden Buildings - SMART-CLT – Structural Health Monitoring and Post-Occupancy Performance of Mass Timber Buildings*

Contract with: US Dept. of Agriculture ARS via PTE Oregon State University

Dates: 3/2016-2/2018

Amount: 147,497 (total award; UO Award 49,648; Additional UO cost-share \$51,283)

PI: Mariapaola Riggio

Co-Investigators : Paul Laleicke; Andre Barbosa, Kevin G. Van Den Wymelenberg

UO PI: Kevin G. Van Den Wymelenberg

81. *Title – CLT Parking Structure Springfield Design Assistance*

Contract with: SRG Partnership

Dates: 3/2016-3/2018

Amount: \$39,000

PI: G.Z. Brown

Lab Unit Head: Kevin G. Van Den Wymelenberg

82. *Title – Energy Project Scoping for UO Internal Carbon Tax Program*

Contract with: UO Campus Operations

Dates: 11/2015-5/2016

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Tenured 12/15/2015; University of Oregon (above)

83. *Title – 2014 OEESC & ASHRAE 90.1 2013 Energy Consumption Comparisons – Task Order 1 & Task Order 2*

Contract with: State of Oregon – Oregon Department of Energy

Dates: 9/2015-12/2016

Amount: \$42,151

PI: Kevin G. Van Den Wymelenberg

84. *Title – Climate Chamber Testing for Simplexity Product Development*

Contract with: Simplexity Product Development (task order 1 & 2)

Dates: 7/2015-11/2015

Amount: \$24,309

PI: Kevin G. Van Den Wymelenberg

85. *Title – Multnomah County Courthouse Design Assistance*

Contract with: Energy Trust of Oregon via SRG Partnership

Dates: 12/2015-11/2016

Amount: \$40,000

PI: Kevin G. Van Den Wymelenberg

86. *Title – The Impact of Weatherization on Microbial Ecology and Human Health*

Contract with: Environmental Protection Agency

Dates: 5/2015-4/2018

Amount: \$996,911

PI: G.Z. Brown

Co-Investigators: Jessica L. Green, Deborah Johnson-Shelton (Oregon Research Institute), Kevin G. Van Den Wymelenberg

Lab Unit Head: Kevin G. Van Den Wymelenberg

87. *Title – Biology and Built Environment (BioBE) Center*

Contract with: Alfred P. Sloan Foundation

Dates: 9/2015-10/2017

Amount: \$1,325,000

PI: Kevin G. Van Den Wymelenberg (8/2016-10/2017)

PI: Jessica L. Green (9/2015-8/2016)

Co-Investigators: G.Z. Brown, Rolf Halden (ASU), Curtis Huttenhower (Harvard), Jessica Green, Kevin G. Van Den Wymelenberg

88. *Title - “Faculty Exchange Agreement”*

Contract with: The University of Idaho

Dates: 6/2015-9/2015

Amount: \$32,108

PI: Kevin G. Van Den Wymelenberg

89. *Title – Northwest Energy Efficiency Alliance Integrated Design Lab*

Contract with: Northwest Energy Efficiency Alliance

Dates: 1/2015-12/2017

Amount: \$333,693

PI: Kevin G. Van Den Wymelenberg (2016-2017)

PI: G.Z. Brown (2015)

90. *Title – Jefferson Library Design Assistance*

Contract with: Energy Trust of Oregon via Rowell Brokaw Architects

Dates: 1/2015-12/2017

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Non-Tenured 6/15/2015; University of Oregon (above)

91. *Title – Achieving Regional Energy Efficiency Potential in the Northwest –State of Idaho M&V + Diagnostics & EE Community Renewal Action Plan*

Contract with: US Department of Energy via the Northwest Energy Efficiency Alliance

Dates: 4/2015-8/2015

Amount: \$24,984

PI: Brad Acker

Co-Investigators: Kevin G. Van Den Wymelenberg

92. *Title – Advanced Energy Efficiency 2015*

Contract with: Idaho Power Company

Dates: 2/2015-12/2015

Amount: \$401,720

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker, Katrina Lechliter, Elizabeth Cooper

93. *Title – Integrated Design Lab 2015-2017*

Contract with: Northwest Energy Efficiency Alliance

Dates: 1/2015-12/2017

Amount: \$232,200

PI: Kevin G. Van Den Wymelenberg (Served as PI until June 2015, then in consulting capacity)

Co-Investigators: Brad Acker, Katrina Lechliter, Elizabeth Cooper

94. *Title – College of Southern Idaho Master Plan*

Contract with: CTA Architects and Engineers

Dates: 4/2015-6/2015

Amount: \$5,091

PI: Kevin G. Van Den Wymelenberg

95. *Title: 2015 Regional Technical Forum*

Contract with: Northwest Power and Conservation Council

Dates: 01/2014 – 12/2014

Amount: \$10,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

96. *Title – IBOA-IBOA Training*

Contract with: International Building Operators of America

Dates: 9/2014-6/2015

Amount: \$11,000

PI: Kevin G. Van Den Wymelenberg

97. *Title: IES Daylight Educational Tour*

Contract with: Illuminating Engineering Society of North America

Dates: 7/2014-6/2015

Amount: \$10,500

PI: Kevin G. Van Den Wymelenberg

98. *Title: Various small contracts*

Contract with: Varies

Dates: 2014

Amount: \$31,297 (CTA CWI Campus Master Plan \$5,000; Britt Makela 2009 IECC Non-Compliance \$4,000;

New Buildings Institute Fiji Energy Code \$12,000; CSHQA B2 Optimization, \$1,994; Simplot HQ

Optimization, \$8,303)

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Varies

99. *Title: OER Rural Scoping Studies*

Contract with: DOE via, Idaho Office of Energy Resources

Dates: 08/2014 – 6/2015

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

100. Title: Simulation-Based Commissioning of Energy Management Control Systems

Contract with: Avista Utilities

Dates: 07/2014 – 6/2015

Amount: \$50,847

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

101. Title: 2014 Regional Technical Forum

Contract with: Northwest Power and Conservation Council

Dates: 01/2014 – 12/2014

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

Tenured 7/1/2013; University of Idaho (above)

102. Title: Various small contracts

Contract with: Varies

Dates: 2013

Amount: \$82,834 (Britt Makela Tropical Energy Code Simulation \$7,500, NBBJ UI-IRIC \$17,518, ICRMP \$3,664, Christensen Corp NrZEB \$5,458, Oppenheimer One Capital Plaza \$6,429, Oppenheimer Wells Fargo \$4,526, AEC Remote Assistance \$3,000, Domingo Gonzales Associates \$9,158, UI-Executive Residence with Hummel \$5,581)

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Varies

103. Title: IES Daylight Educational Tour

Contract with: Illuminating Engineering Society of North America

Dates: 7/2013-6/2014

Amount: \$21,000

PI: Kevin G. Van Den Wymelenberg

104. Title: 2013 Regional Technical Forum

Contract with: Northwest Power and Conservation Council

Dates: 01/2013 – 12/2013

Amount: \$19,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

105. Title: 2013 Kilowatt Crackdown Energy Star Certifications & Mini-scoping Studies

Contract with: Northwest Energy Efficiency Alliance

Dates: 01/2013 – 12/2013

Amount: \$17,545

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

106. Title: Kilowatt Crackdown Competition – 2013

Contract with: JDM Associates

Dates: 01/2013 – 07/2013

Amount: \$53,250

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker, Julia Day

107. Title: Idaho Residential Duct Sealing Energy Effectiveness

Contract with: Association of Idaho Cities

Dates: 01/2013 – 02/2013

Amount: \$7,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Jake Dunn

108. Title: Advanced Energy Efficiency – 2013-2014

Contract with: Idaho Power Company

Dates: 01/2013 – 1/2015

Amount: \$786,600

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Ery Djunaedy, Gunnar Gladics, Jake Dunn, Brad Acker, Julia Day

109. Title: Identification of Discomfort Glare Sources from Vertical Fenestration and Occupant Control Scenarios

Contract with: Illuminating Engineering Society of North America

Dates: 11/2012-11/2013

Amount: \$25,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Ery Djunaedy; Mark Changizi, O2Amp

110. Title: Oregon Code Energy Savings Simulation

Contract with: Oregon Department of Energy

Dates: 06/2012 – 09/2012

Amount: \$35,000

PI: Kevin G. Van Den Wymelenberg (for UI-IDL)

Co-Investigators: Ery Djunaedy

111. Title: DOE Industrial Assessment Center

Contract with: US Department of Energy via Boise State University

Dates: 09/2011 – 09/2014

Amount: \$ 145,042, UI-IDL (\$1,500,000 with Co-PIs)

PI: Kevin G. Van Den Wymelenberg (for UI-IDL)

Co-Investigators: John Gardner, BSU (Lead PI); Dev Shrestha, UI; Steve Hatten, BSU; Mary Holfe, ISU)

112. Title: Various small contracts

Contract with: Varies

Dates: 2012

Amount: \$40,104 (\$9,840 Brooks Borg Skiles, \$3,737 Brooks Borg Skiles, \$3,255 Dawson Residence, \$1,700 Simplot, \$6,000 Site-Based Energy, \$4,000 IPC Residential Lectures, \$6,000 JDM Associates, Britt Makela \$5,572)

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Varies

113. Title: Boise City Residential Audits Review

Contract with: Idaho Power Company

Dates: 04/2012 – 9/2012

Amount: \$20,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

114. Title: Summary of 2011 Residential Economizer Study

Contract with: Northwest Energy Efficiency Alliance

Dates: 05/2012 – 12/2012

Amount: \$4,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

115. Title: 2012-2013 Evaporative Roof-top Unit Efficiency M&V

Contract with: Northwest Energy Efficiency Alliance

Dates: 05/2012 – 12/2013

Amount: \$37,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

116. Title: 2012 Variable Roof-top Unit Efficiency M&V

Contract with: Northwest Energy Efficiency Alliance

Dates: 05/2012 – 12/2014

Amount: \$27,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

117. Title: 2012 Regional Technical Forum

Contract with: Northwest Power and Conservation Council

Dates: 01/2012 – 12/2012

Amount: \$13,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

118. Title: Technical support for building energy codes - 2012

Contract with: Association of Idaho Cities

Dates: 01/2012 – 12/2012

Amount: \$13,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

119. Title: Residential Economizer 2012 Summer M&V

Contract with: Idaho Power Company

Dates: 04/2012 – 12/2012

Amount: \$70,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

120. Title: Various small contracts

Contract with: Varies

Dates: 2011

Amount: \$115,429 (\$7,000 Modus, \$41,500 Energy Plus trainings, \$5,000 K Energy, \$13,619 NBI, \$12,500 BPA, \$3,500 IES podcasts, \$14,995 NPCC, donations)

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Varies

121. Title: National Energy Leadership Corps, Residential Energy Audit Process

Contract with: NREL/PSU/BSU

Dates: 6/2011 – 1/2012

Amount: \$52,000 (UI-IDL)

PI: Kevin G. Van Den Wymelenberg

Co-PI: John Gardner, BSU; Steve Taylor, SmartDwell

122. Title: Targeted Energy Management Toolset for Comfort and Savings Based on Advanced Computational Intelligence Techniques

Contract with: Idaho National Laboratory

Dates: 4/2011 – 9/2013

Amount: \$150,000, UI-IDL (\$550,000 including Co-PIs)

PI: Kevin G. Van Den Wymelenberg (For UI-IDL)

Co-PI: Craig Reiger, INL; John Gardner, BSU; Milos Manic, UI

123. Title: Residential Economizer 2011 Summer M&V

Contract with: Idaho Power Company

Dates: 04/2011 – 12/2011

Amount: \$70,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

124. Title: Integrated Design Lab Boise – 3

Contract with: Northwest Energy Efficiency Alliance

Dates: 01/2011 – 12/2014

Amount: \$1,141,146

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Ery Djunaedy, Gunnar Gladics, Brad Acker, Jake Dunn

125. Title: 2011 Regional Technical Forum

Contract with: Northwest Power and Conservation Council

Dates: 01/2011 – 12/2011

Amount: \$14,995

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

126. Title: Technical support for building energy codes - 2011

Contract with: Association of Idaho Cities

Dates: 01/2011 – 12/2011

Amount: \$25,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

127. Title: Net-zero energy home construction review and market acceptance analysis

Contract with: Northwest Energy Efficiency Alliance

Dates: 10/2010 – 3/2011

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Gunnar Gladics

128. Title: Technical support for building energy codes - 2010

Contract with: Association of Idaho Cities

Dates: 09/2010 – 12/2010

Amount: \$15,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

129. Title: eLearning Platform for Lighting and Daylighting

Contract with: Lawrence Berkeley National Lab

Dates: 08/2010 – 06/2012

Amount: \$16,340

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

130. Title: Green Buildings Services - Simulation Support

Contract with: Green Building Services

Dates: 08/2010 – 10/2010

Amount: \$19,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Dr. Ery Djunaedy

131. Title: City of Caldwell Energy Efficiency Education

Contract with: Quality Electric

Dates: 06/2010 – 09/2010

Amount: \$7,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Gunnar Gladics

132. Title: Advanced Energy Efficiency - 2

Contract with: Idaho Power Company

Dates: 03/2010 – 12/2012

Amount: \$1,050,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

133. Title: Review of Green Building Policies for Idaho National Laboratory

Contract with: Battelle Energy Alliance, Idaho National Laboratory

Dates: 10/2009 – 11/2009

Amount: \$2,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Gunnar Gladics

134. Title: Daylight Pattern Guide

Contract with: New Buildings Institute

Dates: 07/2009 – 03/2011

Amount: \$108,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

135. Title: Advanced Energy Efficiency

Contract with: Idaho Power Company

Dates: 02/2009 – 12/2009

Amount: \$285,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

136. Title: Developing an Energy Efficiency Research Workshop for Idaho National Laboratory

Contract with: Battelle Energy Alliance, Idaho National Laboratory

Dates: 02/2009 – 04/2009

Amount: \$5,685

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

137. Title: Energy Efficiency Measurement and Verification

Contract with: Idaho Power Company

Dates: 11/2008 – 12/2008

Amount: \$50,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Brad Acker

138. Title: Energy Simulation Technical Support

Contract with: Engineering Incorporated

Dates: 07/2008 – 12/2008

Amount: \$14,250

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Dr. Ery Djunaedy

139. Title: Daylighting Simulation Technical Support

Contract with: HDR Architecture

Dates: 02/2008 – 04/2008

Amount: \$4,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

140. Title: Endeavor Elementary School Energy Efficiency Demonstration Measurement and Verification

Contract with: Idaho Power Company

Dates: 01/2008 – 04/2008

Amount: \$5,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

141. Title: Foundational Services in Energy Efficiency - 2

Contract with: Idaho Power Company

Dates: 06/2007 – 12/2009

Amount: \$102,200

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

142. Title: Endeavor Elementary School Energy Efficiency Demonstration Development

Contract with: Northwest Energy Efficiency Alliance

Dates: 06/2007 – 12/2007

Amount: \$10,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

143. Title: Pacific Northwest Carbon Neutral Building Initiative

Contract with: United States Environmental Protection Agency

Dates: 07/2007 – 06/2008

Amount: \$100,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: G.Z. Brown, University of Oregon

144. Title: Energy Efficiency Renovation and Energy Simulation Technical Support

Contract with: St. Al's Regional Medical Center

Dates: 01/2007-12/2007

Amount: \$23,092

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

145. Title: Energy Efficiency Case Studies

Contract with: Idaho Power Company

Dates: 08/2006 – August 2007

Amount: \$8,500

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

146. Title: Energy Efficiency Case Studies

Contract with: Northwest Energy Efficiency Alliance

Dates: 08/2006 – 08/2007

Amount: \$10,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

147. Title: Energy Simulation Technical Support

Contract with: St. Luke's Regional Medical Center

Dates: 01/2006 – 04/2006

Amount: \$15,583

PI: Kevin G. Van Den Wymelenberg

Co-Investigators:

148. Title: Various small contracts

Contract with: Varies

Dates: 2006

Amount: \$9,205

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

149. Title: Integrated Design Lab Boise – 2

Contract with: Northwest Energy Efficiency Alliance

Dates: 01/2006 – 12/2010

Amount: \$1,200,599

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

150. Title: Developing a Daylighting Laboratory

Contract with: Rensselaer Polytechnic Institute – Lighting Research Center

Dates: 01/2005 – 12/2005

Amount: \$20,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: Joel Loveland, University of Washington

151. Title: Various small contracts

Contract with: Varies

Dates: 2005

Amount: \$2,526

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

152. Title: Foundational Services in Energy Efficiency - 1

Contract with: Idaho Power Company

Dates: 08/2004 – 05/2007

Amount: \$101,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

153. Title: Develop a Solar Simulator

Contract with: State of Idaho, Idaho Division of Energy

Dates: 08/2004 – 12/2004

Amount: \$5,000

PI: Kevin G. Van Den Wymelenberg

Co-Investigators: na

154. Title: Integrated Design Lab Boise – 1

Contract with: Northwest Energy Efficiency Alliance

Dates: 03/2004 – 12/2005

Amount: \$168,000

PI: Sherry McKibben

Co-Investigators: Kevin Van Den Wymelenberg (Project Manager)

SERVICE:

See “Academic Administrative Appointments” for internal university administrative and service appointments.

Major External Committee Assignments:

1. Scientific Advisor, Integrated Bioscience and Built Environment Consortium (IBEC), 05/2019-present
2. Member, Technical Committee 205, Building Environment Design, International Standards Organization (ISO), 2019-present.
3. Founding Member, Oregon Code Collaborative, 2017-2022.
4. Member, ASHRAE Environmental Health Committee, external steering committee, 04/2021-06/2022 Chair, Illuminating Engineering Society of North America, Daylight Metrics Committee; Summer 2012 - 2020.
5. Chair, Illuminating Engineering Society of North America, IES Medal Award Committee; 2016-2017.
6. Vice Chair, Illuminating Engineering Society of North America, IES Medal Award Committee; 2015-2016.
7. University Representative: Center for Advanced Energy Studies (CAES) – Energy Efficiency Research Institute (CEERI), provide institutional representation and support for multiple energy efficiency research endeavors between the CAES partner institutions including Boise State University, Idaho National Laboratory, Idaho State University and University of Idaho; October 2010 – June 2015.
8. Chair, Idaho State Governor’s Strategic Energy Alliance, Energy Efficiency and Conservation Task Force; Spring 2009 – Spring 2015.
9. Vice Chair, Illuminating Engineering Society of North America, Daylight Metrics Committee; Fall 2009 – Summer 2012.
10. Advisory Committee Member, eLAD – eLearning platform for commercial building lighting and daylighting systems, Lawrence Berkeley Lab; 2010-2012.
11. Committee Member, Ada County Energy Plan Partnership; 2006-2012.
12. Voting Committee Member, Northwest Power and Conservation Council, Regional Technical Forum; 2010.
13. Task Force Member, Idaho State Governor’s Strategic Energy Alliance, Energy Efficiency and Conservation Task Force; Spring 2008 - Spring 2009.
14. Subcommittee Member, Illuminating Engineering Society of North America, Daylight Metrics Subcommittee; Summer 2007 - Fall 2009.

Professional and Scholarly Organizations:

1. Peer Reviewer, Research Awards:
 - a. University of North Carolina-Charlotte (Architecture), 2021
2. Peer Reviewer, Tenure and Promotion:
 - a. Cornell University (Architecture), 2021
 - b. University of Buffalo (Architecture), 2019
 - c. UC-Davis (Microbiology), 2019
3. Founding Member, Pacific Northwest Center for Translational Environmental Health Research, Environmental Health Sciences Center, Oregon State University, 2019-present.
4. Member, International Standards Organization (ISO), 2019-present.

5. Member, Commission de L'Eclairage (CIE, translates International Commission on Illumination), 2017-present.
6. Associate Member, Illuminating Engineering Society of North America; 2006 – present.
7. Associate Member, American Institute of Architects; 2006 – present.
8. Associate Member, American Society of Heating, Refrigerating & Air-Conditioning Engineers; 2006 – present.
9. Peer Reviewer, scientific journals ; 2012-present (varies):
 - a. LEUKOS - The Journal of the Illuminating Engineering Society of North America; Automation in Construction, Building and Environment, Energy, Energy and Buildings, Displays, Journal of Environmental Psychology; Building Research and Information; Energy Efficiency; Microbiome; mSystems; International Journal of Hygiene and Environmental Health.
10. Member, Society of Building Science Educators; 2004 – present.
11. Committee Member, Human Centric Lighting Committee; 2013-2017.
12. Panelist, NSF's Environmental Sustainability Program, Sustainable Buildings, unsolicited proposal grant review panel, 2014.
13. Peer Reviewer, Commission Internationale de L'Eclairage (International Commission on Illumination), 2014.
14. Integrated Resource Plan Advisory Council Member, Idaho Power Company, 2012-2013 cycle and 2014-2015 cycle.
15. Technical Advisory Committee Member, Avista Utilities, energy efficiency, 2011-2015.
16. Leadership team member, Center for Advanced Energy Studies, Energy Efficiency Research Institute; 2010–2015.
17. Summit Participant, University of Idaho, Utility Executive Course, 2012.
18. Peer Reviewer, SimBuild Annual Conference Proceedings; 2010, 2011.
19. Member, Idaho Energy Code Collaborative; 2008-2015.
20. Member, United States Green Building Council – Idaho Chapter; 2005 Inception – 2015.
21. Juror, Northwest Energy Efficiency Alliance, BetterBricks Awards; 2004 – 2011.
22. Selection Committee, Energy Efficiency and Conservation Block Grants to Idaho from American Recovery and Reinvestment Act of 2009; Spring, 2010.
23. Committee Member, American Recovery and Reinvestment Act 2009 - Idaho Energy Efficiency and Conservation Block Grant Selection Committee, Office of Energy Resources, Idaho; Spring 2009 – 2010.
24. Committee Member, American Recovery and Reinvestment Act 2009 - Idaho K-12 Energy Efficiency Project Selection Committee, Office of Energy Resources, Idaho; Spring 2009 – 2010.
25. Session Chair, American Collegiate Schools of Architecture, 2009 Annual Meeting, *Research Value of Design*; 2009.
26. Peer Reviewer, Architectural Research Centers Consortium, Research Conference Proceedings; Spring 2007.
27. Peer Reviewer, American Solar Energy Society, Conference Proceedings; Summer 2006.
28. Juror, Interior Designers of Idaho, Chair Affair; Winter 2006.
29. Member, American Solar Energy Society; 2003, 2004, 2006.

Professional Outreach Service:*Workshops & Seminars Organized*

1. Scientific Advisor, COVID Straight Talk Last Mile Works, 06/2020-present.
2. Scientific Advisor, International Association of Bioscience and Environmental Criteria, 04/2020-present.
3. Steering Committee – Co-organized [Clean 2020 Virtual Summit](#), online, June 2020 – present.
4. Scientific Advisor, United States Safe Air Building Council, Leadership in Safe Air Standards, 06/2020-06/2021.
5. Organized Smart Building Technologies Technical Session at IECON 2018 the 44th Annual Conference of the IEEE Industrial Electronics Society, with Gerhard Zucker (Austria), Jan Haase (Germany), Elizabeth Cooper(USA), Washington DC, October 2018.
6. Organized and hosted 16th Annual International Radiance Workshop, 3-day workshop, University of Oregon Energy Studies in Buildings Laboratory, Portland, OR, August 2017.
7. Organized Transforming Architecture: A Festschrift Event in honor of G.Z. Brown, 8-hour workshop, Eugene, OR, May 2016.
8. Organized (and occasionally presented at) twice-annual (spring and fall) professional lecture series (totaling more than 50 1.5-hour lectures, otherwise not in CV, held in evenings in Boise at the UI-IDL) on energy efficiency and integrated design topics with regional, national, and internationally recognized presenters; 2004 – 2014.
9. Organized (and regularly presented at) summer brown bag lecture series (totaling more than 100 1-hour lectures, otherwise not in CV, and held during lunch hours in architectural and engineering offices throughout Idaho for the UI-IDL) on energy efficiency and integrated design; 2009 – 2015.
10. Organized (and occasionally presented at) monthly UI-IDL building simulation users group meetings; 2010 – 2015.
11. Numerous additional lectures presented to in 30-120-minute formats to regional architectural and engineering professional offices on a variety of topics 2001-present.

Community Service: (non-academic unrelated to employment)

1. USA Swimming Referee, 2019-present
2. Licensed Natural Family Planning Instructor, Couple to Couple League; 2011-present
3. Member, Knights of Columbus; 2009-present
4. Treasurer, Emerald Aquatics Swimming Club, 2021-2022
5. Board Member, St. Mary's Catholic School Governing Board, 2014-2015
6. Licensed Foster Parent, State of Idaho; 2005-2010
7. Core Team Member, Life Teen Youth Group, St. Mark's Catholic Community, Boise, ID; 2004-2008
8. Swim Coach, YMCA Masters; Boise, ID; 2004-2005
9. Swim Coach, UW Husky Masters; Seattle, WA; 2003-2004