

CURRICULUM VITAE (abbreviated)

Alison G. Kwok, University of Oregon, Department of Architecture
Eugene, Oregon 97403, (541) 346-2126 akwok@uoregon.edu

Education

PhD Architecture, University of California, Berkeley, Berkeley, California, 1997
PhD Committee Honor

Master of Architecture, University of California, Berkeley, Berkeley, California, 1990
American Institute of Architects Medal

Master of Education, University of Hawai'i Mānoa, Honolulu, Hawai'i, 1980
Secondary Science Education

Bachelor of Arts in Biology, Art, Knox College, Galesburg, Illinois, 1977
Chinese Studies, Chinese University of Hong Kong, Hong Kong, China, 1975–1976

Academic Positions

Stanford University Architectural Design Program, Stanford, California
Fall 2018 Visiting Shimizu Professor

University of Oregon Department of Architecture, Eugene, Oregon
Since 2008 Professor
Since 1998 Director, Technical Teaching Certificate Program
2014–2017 Director of Graduate Studies
2010–2014 Ph.D. Program Director
2007–2011 Co-Director, Center for Housing Innovation Research Center
2003–2008 Associate Professor
1998–2003 Assistant Professor

Cornell University Department of Architecture, Ithaca, New York
1997–1998 Assistant Professor

California College of Arts Department of Architecture, San Francisco, California
1994 Adjunct Professor

University of California Berkeley Department of Architecture, Berkeley, California
1992–1997 Graduate Student Researcher
1988–1989 Graduate Student Researcher
1989–1990 Graduate Student Instructor

Public and Private Secondary Schools, Honolulu, Hawai'i
1978–1987 Science Teacher: biology, chemistry, life, physical, and marine sciences,

Professional Positions

Alison Kwok Architect, Eugene, Oregon Principal, since 1998
Essential Habitat Consulting, Fairfax, California, Co-principal, 2011–2020
Mui Ho Architect, Berkeley, California, Associate Designer, 1990–1992
Lawton Umemura Architects, Honolulu, Hawai'i, Design Intern, 1988

Registrations

Licensed Architect: California, Oregon
Certified Passive House Consultant: Passive House Institute U.S.
LEED™ Accredited Professional: U.S. Green Building Council
TRUE Advisor: Green Building Certification Institute

Awards and Honors for Teaching, Research, and Service (selected)

- Distinguished Professor, Association of Collegiate Schools of Architecture, awarded for exemplary work in areas of building design, community collaborations, scholarship and service. Award winners inspire and challenge students, contribute to the profession's knowledge base, and extend their work beyond the borders of academy and the public sector. 2021 <https://www.acsa-arch.org/awards-archive/2021-architectural-education-award-winners/>
- Fellow, College of Fellows of The American Institute of Architects, Awarded for Object Two: to advance the science and art of planning and building by advancing the standards of architectural education, training, and practice. 2019
- Passive Pioneer Award, American Solar Energy Society. Honors those with foresight, innovative thinking, and creativity whose work has set the stage for others to follow; those who developed theories, research efforts, new concepts, and opportunities for later researchers to expand. 2017
- Thomas F. Herman Award for Specialized Pedagogy, University of Oregon. Recognizes senior faculty members who have demonstrated outstanding achievement and expertise in a particular area of teaching. 2016
- DesignIntelligence, America's Most Admired Educators. Honors excellence in education and education administration by naming 25 exemplary professionals in these fields. Educators and administrators from the disciplines of architecture, industrial design, interior design, and landscape architecture are considered for inclusion. 2016, 2019
<http://www.di.net/articles/designintelligence-25-most-admired-educators-for-2016/> <https://www.di-rankings.com/most-admired-educators-architecture/2019>
- Women In Solar Energy (WISE) Award, American Solar Energy Society, "awarded to outstanding educator, advocate, promoter, change agent, developer, facilitator related to solar energy issues; for significant contributions to the field; and mentorship of young women to enter the sciences through educational activities." 2008
- Royal Institute of British Architects (RIBA) International Book Awards, *The Green Studio Handbook*, selected by jury for the Architectural Long List. 2007
- Faculty Ambassador, University of Oregon Teaching Effectiveness Program. 2005–2006

Publications (selected)

Books

- Grondzik, Walter and A. Kwok. *Mechanical and Electrical Equipment for Buildings*, 13th ed., Hoboken, NJ: Wiley. October 2019; 12th edition, 2015, 11th edition, 2010; 10th edition, 2005.
- Kwok, Alison and W. Grondzik, *The Green Studio Handbook: Environmental Strategies for Schematic Design*, 3rd ed., 425 pp., New York: Routledge Taylor & Francis. 2018; 2nd edition 2011; 1st edition 2007 with Architectural Press.
- Kwok, Alison, J. Fillinger, and D. Corner. *Passive House Details: Solutions for High Performance Design*, 330 pp. New York: Routledge. 2017

Invited Chapters

- Kwok, Alison G., B. Haglund, W. Grondzik, "As Simple As We Are," in *Transforming Architecture: A Festschrift in Honor of Professor G.Z. "Charlie" Brown*, ed., Kevin Van Den Wymelenberg, et al. Eugene, OR: University of Oregon, 2017
- Rajkovich, Nicholas, A. Kwok, L. Larsen. "LEED, Collaborative Rationality, and Green Building Public Policy," in *Constructing Green: Sustainability and the Places We Inhabit*, eds. Rebecca Henn, Andy Hoffman, Cambridge, MA: The MIT Press. 2013
- Kwok, Alison G., "Basic Concepts and Comfort Guidelines," chapter in *Indoor Air Quality Handbook*, pp 15.3–15.15, edited by John Spengler, Jonathan Samet, and John McCarthy, New York: McGraw-Hill. 2001

Journal Articles

- Stevenson, F., and Kwok, A. Mainstreaming zero carbon: lessons for built-environment education and training. *Buildings and Cities*, 2020 1(1), pp. 687–696. DOI: <https://doi.org/10.5334/bc.84>
- Kwok, A., H. Zalusky, Ma. I. Rivera, L. Rasmussen, H. McKay. Seeing the Forest and the Trees: Environmental Impacts of Cross-Laminated Timber, *Technology/Architecture + Design*, 2020 4:2, 144-150, DOI: [10.1080/24751448.2020.1804754](https://doi.org/10.1080/24751448.2020.1804754)
- Schweiker, M., Abdul-Zahra, A., Andre, M. et al. [including A. Kwok]. "The Scales Project: a cross-national dataset on the interpretation of thermal perception scales," *SciData* 6: 289 (2019) <https://doi.org/10.6084/m9.figshare.9805289>
- Földvály, Veronika, Toby Cheung, Hui Zhang, [et.al, including A. Kwok]. "Development of the ASHRAE Global Thermal Comfort Database II," *Building and Environment*, 2018 14:502-512. Selected 2018 Best Paper Award from journal *Building and Environment*. Only 3 best papers selected from 3000 submissions in 2018.
- Collins, T, A. Kwok, and S. Duluk, "Visible Ventilation: validating & illustrating the performance of a hybrid ventilation system in the United States," *Indoor Air*, July 2014.

- Kim, H., C. Chun, A. Kwok, et.al, "Cross-City Comparison of Indoor Air Temperatures in Air-Conditioned Spaces," *Indoor Air*, August 2011, 21(4): 311-8.
- Kwok, Alison and N. Rajkovich. "Addressing Climate Change in Comfort Standards," Special Issue: *Building and Environment*, 2010, 45(1): 18–22; first published in *International Symposium on the Interaction between Human and Building Environment*, Yonsei University, Seoul, Korea, July 2–3, 2008
- Chun, Chungyoon, A. Kwok, T. Mitamura, et.al, "Thermal Diary: Connecting Temperature History to Thermal Comfort," *Buildings and Energy*, May 2008, 43:5, 886–895
- Chun, Chungyoon, A. Kwok, and A. Tamura. "Thermal Comfort in Transitional Spaces—basic concepts: literature review and trial measurement," *Building and Environment*, 2004, 39: 1187–1192
- Kwok, Alison and Chungyoon Chun. "Thermal Comfort in Japanese Schools," *Solar Energy*, 2003, 74(3): 245–252

Edited Proceedings

- Kwok, Alison G. and Nicholas B. Rajkovich, eds. *Zero Net Energy Workshop & Design Charrette*. University of Oregon Center for Housing Innovation and the University of Oregon Department of Architecture, 262 pp. <http://www.lulu.com/> Available in print form and electronic file. July 14, 2009
- Kwok, Alison G. ed. 2007 ARCC Spring Research Conference, *Green Challenges in Research, Practice, and Design Education*, Architecture Research Centers, 257 pp. <http://www.lulu.com/> Available in print form and electronic file. August 24, 2008

Conference Proceedings (selected, peer-reviewed)

- Rivera, Isabel and A. Kwok, "Thermal Comfort and Air Quality in Chilean Schools, Perceptions of Student and Teachers," *Proceedings from the ARCC Spring Research Conference*, Toronto, Canada, May 29–June 1, 2019.
- Kwok, Alison, D Corner, J. Fillinger. "Passive House Details: Solutions for High Performance Details," *Proceedings from 12th North American Passive House Conference: The Path to Zero Source Energy*, Seattle, Washington, September 27–October 1, 2017
- Rasmussen, Lindsay and A. Kwok. "Addressing Embodied Carbon in High Performance Design," *Proceedings from the Passive Low Energy Architecture PLEA Conference*, Edinburgh, Scotland, July 5–8, 2017
- Tjahjana, Sara Nita, Ma. Isabel Rivera, and A. Kwok. "Campus Audit Squads for Energy (CASE): understanding occupant's behavioral patterns and energy use through plug loads," *Proceedings from the Passive Low Energy Architecture PLEA Conference*, Edinburgh, Scotland, July 5–8, 2017
- Schmidt, Eric, A. Tuffo, L. Rasmussen, A. Kwok. "Stellar Apartments, Dynamic Stories from Passive Buildings" *Proceedings from the Passive Low Energy Architecture PLEA Conference*, Bologna, Italy, September 9–11, 2015
- Kwok, Alison, W. Grondzik, K. Klingenberg, and M. Kernagis. "Passive House Education Toolkit," *Proceedings from the ARCC Spring Research Conference*, Chicago, Illinois, April 6–9, 2015

Sponsored Research (selected)

- 2021 **Impact of School Facilities on Teaching and Learning, Principal Investigator with Mark Fretz (Co-PI), Kevin Van Den Wymelenberg (Co-PI), John Seeley (Co-PI)**. Sponsor: California Schools Facilities Research Institute (CSFRI), \$50,000
- 2020–2021 **Carbon Narratives for Design Planning, Co-PI with Mark Fretz (Lead PI), Kevin Van Den Wymelenberg (Co-PI)**. Sponsor: TallWood Design Institute (TDI), Oregon State University College of Engineering, \$184,327
- Since 2002 **Principal Investigator with ASHRAE Student Branch**. Sponsor: American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Undergraduate Program Equipment Grants, \$2,500–\$7,000 per grant. 2019–2020 Duct-Duck Demos; 2016–2017 Campus Audit Squads for Energy (CASE); 2014–2015 Campus Unplugged; 2013–2014 Visible Ventilation; 2011–2012 NetZED Toolkit; 2009–2010 Plugged-In; 2008–2009 Eco-Roof Game; 2007–2008 Thermal Circuiting; 2005–2006 A Building's Respiratory System; 2003–2004 The Wall Sleuth; 2002–2003 The Balance-Point Game
- 2018–2019 **Carbon Impacts of Cross-laminated Timber, Principal Investigator**. Sponsor: TallWood Design Institute (TDI) Oregon State University College of Forestry, \$25,000
- 2010 **Benchmarking Energy Metrics for Projects in the Pacific Northwest, Principal Investigator**. Sponsor: Northwest Energy Efficiency Alliance, BetterBricks, \$50,000
- 2009–2010 **Stories from Practice Case Study Narratives, Principal Investigator**. Sponsor: U.S. Green Building Council. \$129,000
- 2009 **Case Study Roadmap Principal Investigator. Principal Investigator**. Sponsor: U.S. Green Building Council. \$25,000
- 2009 **Chartwell Case Study Prototype, Principal Investigator**. Sponsor: U.S. Green Building Council. \$25,000

- 2008–2009 **Net Zero Workshops and Curriculum Integration, Principal Investigator.** Sponsor: Van Evera Bailey Foundation, Studio Research Award—University of Oregon Department of Architecture. \$20,000
- 2007–2009 **Case Studies of Carbon Neutrality, Principal Investigator.** Sponsor: American Institute of Architects, Upjohn Research Award, \$21,000
- 2006–2007 **GreenTEEM: Teaching and Research for Technology in Architecture, Principal Investigator with Sam Jensen Augustine, Matthew Travis, Amelia Thrall.** Sponsor: Hanyang University (Seoul, Korea) Fellowship at University of Oregon Office of International Affairs, \$6,740
- 2002–2005 **Agents of Change Project, Principal Investigator.** Sponsor: U.S. Department of Education Fund for the Improvement of Post–Secondary Education (FIPSE), <http://aoc.uoregon.edu>, \$485,301