

EDUCATIONAL BACKGROUND

1992 Master of Architecture University of California, Berkeley
1991 Master of Science University of California, Berkeley (Structural Engineering & Mechanics of Materials)
1989 Bachelor of Science University of Colorado, Boulder (Architectural Engineering)

ACADEMIC APPOINTMENTS

2014-pres	Associate Professor	University of Washington Department of Architecture
2012-present	Mithun-Russell Family Foundation Endowed Professor of Sustainability	
2010-present	Founding Director	The Carbon Leadership Forum
2009-2014	Assistant Professor	University of Washington Department of Architecture
2000-2009	Associate Professor	California College of the Arts Department of Architecture
1995-2000	Adjunct Lecturer	California College of the Arts Department of Architecture

PROFESSIONAL PRACTICE

2000-2011	Operation Architecture (Architecture & Engineering Consultancy), San Francisco, CA
1997-2000	Project Architect: EHDD Architects, San Francisco, CA
1995-1997	Project Engineer: Tipping Mar Structural Engineers, Berkeley, CA
1992-1995	Engineer: DASSE Design, San Francisco, CA
1985-1991 (summers)	Engineer/Drafter: Various firms in San Francisco, New York and Helsinki

LICENSURE

Architect	California C27675, 2000-present
Structural Engineer	California SE4201, 1997-present Washington SE, 2001-2002 & 2009-present
Civil Engineer	California C052801, 1994-present
Certificate	Leadership in Energy and Environmental Design Certified LEED-AP 5/2009

BOOK

Simonen, K. (2014) *Life Cycle Assessment*, London, UK: Routledge.

PEER REVIEWED JOURNAL ARTICLES (published and in development)

Simonen, K., Stroebel, K (in development) "Testing Whole Building LCA and LEED," to be submitted to the *Journal of Structural Engineering*.

Simonen, K., Stroebel, K. (in development) "Interrogating a Building with LCA: Interrogating LCA with a Building," to be submitted to the *International Journal of Life Cycle Assessment*.

Simonen, K. (2014) "Iterating Structures: Teaching Engineering as Design," *Journal of Architectural Engineering*, 10.1060/(ASCE).1943-5568.0000152,05014003.

Cooper, J., Fava, J., Simonen, K., Boyd, S., Baer, S. (2012) "Status of North American Life Cycle Inventory Data", *Journal of Industrial Ecology*, 16(3), 287-289.

PEER REVIEWED CONFERENCE PROCEEDINGS

Simonen, K., Almufti, Il, Merrifield, S., Strobel, K., Tipler, J. (2105) "Integrating Environmental Impacts as Another Measure of Earthquake Performance for Tall Buildings in High Seismic Zones, 2015 Structures Congress, April 23-25, Portland, OR. (Accepted, in publication)

Simonen, K. (2015) "Testing Whole Building LCA: Research and Practice", *2015 AIA/ACSA Intersections Conference*, Atlanta, GA, May 13, 2015.

Simonen, K. (2014) "Life Cycle Assessment Challenges and Structural Materials," in Sustainable Structures Symposium, April 17-18, Portland, OR.

Simonen, K. & Dossick, C., (2013) "Iteration for Integration: Techniques for integrating building technology and design," in *Building Technology Educators Symposium*, July 12-13, Bristol, RI.

- Simonen, K., & Haselbach, L. (2012), "Environmental Product Declarations for Building Materials and Products: U.S. Policy and Market Drivers," International Symposium on Life Cycle Assessment and Construction, July 10-12, Nantes, France.
- Court, A., Simonen, K., Webster, M., Trusty, W & Morris, P. (2012), "Linking Next-Generation Performance-Based Seismic Design Criteria to Environmental Performance," *2012 Structures Congress*, March 29-31, Chicago, IL.
- Simonen, K., Dossick, C. & Pena, R. (2012), "Reaching for Sustainability Using Technology and Teamwork: Testing Integrated Project Delivery in Multi-Disciplinary Studio Teaching." *Association of Collegiate Schools of Architecture 100th Annual Meeting*, March 1-4, Boston, MA.
- Simonen, K., Moore, E., Cooper, J. & Sianchuk, R. (2011), "Teaching Building Life Cycle Assessment: LCA in Architecture & Engineering Education," *Building Technology Educators Society Conference*, August 4-7, Toronto, ON.
- Simonen, K. (2011) "Steel Detailing Practices: Using Global Variation to Envision Innovation," *2011 ASCI/SEI Structures Congress*, April 14-16, Las Vegas, NV.
- Simonen, K. (2010) "Engineering Culture and Collaboration: a Global Perspective," *International Conference on Structures in Architecture*, July 21-23, Guimaraes, Portugal.
- Simonen, K. (2004) "Systems-Built Housing: current trends and potential for architectural innovation/Digital Prefabrication for wood panelized construction," *Association for Computer Aided Design in Architecture (ACADIA) Conference*, November 8-13, Toronto, ON.

DESIGN PUBLICATIONS

- "Prefabrication a la Carta," *Aruquitectura y Diseno*, March 2014, Issue 157, Spain. Publication of completed built work: *Marin Street Residence*.
- "Family Heirloom," *Dwell Magazine*. Dec/Jan 2013. Publication of completed built work: *Marin Street Residence*.

RESEARCH GRANTS

- Market Assessment and Environmental Implications of Cross Laminated Timber Production on the Olympic Peninsula*
Sponsor: USDA McIntire-Stennis Funds
Amount: \$98,846
Team: I. Ganguly (PI), I. Easton, M. Puettmann, **K. Simonen** (Co-PIs)
- Collaborative Research RSB: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives*
Sponsor: National Science Foundation
Amount: \$1,200,000 Awarded 1/2015 (\$120,000 to UW/Simonen)
Team: J. van de Lindt (PI), A. Cerato, N. Wang, B. Ellingwood, L. Peek, **K. Simonen** (Co-PIs)
- Whole Building Life Cycle Assessment: Application in Building Codes and Green Rating Systems*
Sponsor: University of Washington Royalty Research Fund
Amount: \$29,897 Awarded 1/2014
Team: **K. Simonen (PI)**
- Carbon Leadership Forum: Industry Research Sponsorship*
Sponsors: Arup, Central Concrete, Ceratech, Climate Earth, Degenkolb, Magnison Klemencic Associates, National Ready Mixed Concrete Association, Tipping Mar and Webcor.
Amount: \$76,475 2010-present
Team: **K. Simonen (PI)**
- Senate Bill 5485: Maximizing the Use of our States Natural Resources (LCA for WA)*
Sponsor: State of Washington
Amount: \$88,000
Team: **K. Simonen(PI)**, E. Oneil & J. Cooper (UW) and Liv Haselbach (WSU)

Towards zero-energy buildings based on electrochromatic windows (ECWs) and energy harvesting ECWs

Sponsor: National Science Foundation
Award: Emerging Frontiers in Research and Innovation EFRI-SEED-2009
Amount: approx. \$500K **Awarded 2010**
Team: Taya, M. (PI), Cooper, J, Kuga, Y., Luscome, C., Meek, C., (Co-PI's)
Loveland, J., Pena, R. **Simonen, K.**, (Senior Personnel)

Disaster Response: Resilient Systems for Health

Sponsor: College of Built Environments, University of Washington BE Lab
Amount: \$30,000, **Awarded fall 2009**
Team: Corser, R. (PI), Burpee, H., Dossick, C., **Simonen, K**

Center for Sustainable Urban Built Systems

Sponsor: National Science Foundation I/U CRC
Institutions: Santa Clara University, San Jose State University, California College of the Arts
Amount: \$30,000 Planning Grant (\$10,000 per institution) **Awarded 2008**
Team: Gonzolas, J., (PI), Aschiam, M., Bornstein, B., **Simonen, K.**

DOE Solar Decathlon 2009

Institutions: Santa Clara University & California College of the Arts
Sponsor: Department of Energy
Amount: \$50,000 **Awarded 2008.**
Team: Height, T, Ascheim, M, Reits, F, **Simonen, K**, Jenkins, O, Anderson, P

SELECT PROFESSIONAL REPORTS

"Seismic Performance Assessment of Buildings-Methodology for Assessing Environmental Impacts" (2013)

A. Court, P. Morris, K. Simonen, W. Trusty, M. Webster & J. Heintz. Report prepared in consultation by the Applied Technology Council for the Federal Emergency Management Agency.

"Product Category Rules (PCR) for ISO 14025 Type III Environmental Product Declarations (EPDs) of Concrete." ISO peer review completed and published November 2012.

http://www.carbonleadershipforum.org/Carbon_Leadership_forum/PCR.html

"Life Cycle Assessment (LCA) and Buildings Research for Washington State".

K. Simonen, L. Haselbach, E. Oniel, J. Cooper. Delivered to State on September 1, 2012. Accessible at <http://courses.washington.edu/lcaforwa/wordpress/>.

"Motivating Low-Carbon Construction: Opportunities and Challenges"

White paper for Carbon Leadership Forum. Published January 2011: www.carbonleadershipforum.org.

PEER REVIEWED CONFERENCE PRESENTATIONS

"Materials Matter: Materials and Carbon Emissions"

K. Simonen 2015 AIA Conference, Atlanta, GA, May 15, 2015.

"Testing Whole Building LCA: Research and Practice",

K. Simonen 2015 AIA/ACSA Intersections Conference, Atlanta, GA, May 13, 2015.

"Integrating Environmental Impacts as Another Measure of Earthquake Performance for Tall Buildings in High Seismic Zones", K. Simonen 2015 Structures Congress, April 23-25, Portland, OR.

"LCA Methodology and PCR development challenges for structural building materials,"

K. Simonen American Center for Life Cycle Assessment Conference ACLCA XIV, October 7, 2014, San Francisco, CA.

"Life Cycle Assessment Challenges and Structural Materials" Sustainable Structures Symposium, April 17, 2014, Portland, OR.

"Iteration for Integration: Techniques for integrating building technology and design"

K. Simonen & C. Sturts Dossick. Meeting of the Building Technology Educators Society. July 12th 2013, Bristol Rhode Island.

- "Concrete Product Category Rules: The Intersection of Science, Policy and Practice"
K. Simonen. American Center for Life Cycle Assessment Conference, LCAXII. September 26th, 2012, Tacoma, WA.
- "Life Cycle Assessment and Buildings Research for Washington State"
K. Simonen & L. Haselbach. American Center for Life Cycle Assessment Conference, LCAXII. September 26th, 2012. Tacoma, WA.
- "Environmental Product Declarations: U.S. Policy Drivers and Implications for the Concrete Industry"
K. Simonen, L. Haselbach. International Concrete Sustainability Conference. Seattle, WA. May 2012.
- "Concrete Product Category Rules: Technical Details and Industry Implementation"
K. Simonen. International Concrete Sustainability Conference. Seattle, WA. May, 2012.
- "Environmental Product Declarations for Building Materials and Products: U.S. Policy and market Drivers".
K. Simonen, L. Haselbach. International Symposium on Life Cycle Assessment and Construction. Nantes, France. July, 2012.
- "Reaching for Sustainability Using Technology and Teamwork: Testing Integrated Project Delivery in Multi-Disciplinary Studio Teaching." K. Simonen, C. Dossick, R. Pena. Association of Collegiate Schools of Architecture 100th Annual Meeting. Boston. March 2012.
- "Teaching Building Life Cycle Assessment: LCA in Architecture & Engineering Education"
K. Simonen, E. Moore, J. Cooper, R. Sianchuk. Building Technology Educators Society Conference, Toronto, ON. August 2011.
- "Life Cycle Assessment in Building Design Process"
K. Simonen, International Society for Industrial Ecology Conference, Berkeley, CA. June 2011.
- "Carbon Accounting for Building Structures"
K. Simonen, 2011 ACSA Conference, Montreal, CA. Poster. March 2011.
- "Steel Detailing Practices: Using Global Variation to Envision Innovation"
K. Simonen, 2011 Structures Congress, Las Vegas, NV. April 2011.
- "Structural Engineers and Carbon Accounting: process, practice and potential"
K. Simonen, 2011 Structures Congress, Las Vegas, NV. Poster. April 2011.
- "The Carbon Leadership Forum: Industry-academic collaboration to advance LCA practice in the building industry"
K. Simonen, LCAX Conference, Portland, OR. Poster. November 2010.
- "Engineering Culture and Collaboration: a Global Perspective"
K. Simonen, International Conference on Structures in Architecture 2010, Guimaraes, Portugal. July 2010.
- "Design Build: at a VERY small scale"
K. Simonen, Building Technology Educators Symposium, Baltimore, MD. June 2006.
- "Digital Technology is now Building Technology: Pedagogical Implications"
K. Simonen, Building Technology Educators Symposium, Baltimore, MD. June 2006.
- "Systems-Built Housing: current trends and potential for architectural innovation/Digital Prefabrication for wood panelized construction." K. Simonen. Association for Computer Aided Design in Architecture conference, ACADIA, Toronto, ON. November 2004.

SELECTED INVITED PRESENTATIONS

- Leading to Low Carbon Structures*, Presentation and discussion with Thornton Tomasetti leadership team, New York, NY (via video conference) October 8, 2015.
- Testing Whole Building LCA: Research and Practice*, Webinar for the Society of American Military Engineers, September 17, 2015.
- Life Cycle Assessment Fundamentals*, CLF Low Carbon Building Summit, Seattle WA, Sept 10, 2015.
- Whole Building LCA and Green Building Rating Systems*. CLF Low Carbon Building Summit, Seattle WA, September 10, 2015.

Whole Building LCA and Building Structures, Structural Engineers Association of California 2015 Meeting, Sustainability Committee, September 9, 2015.

The Impact of Building Facades on Whole Building LCA. Seattle Building Enclosures Symposium, Seattle, WA, May, 2015.

Whole Building LCA Tools and Implementation. Presentation at the Green Build Materials and Health Summit. October 21, 2014. New Orleans, LA.

PCRs and EPD: Reporting Product Life Cycle Assessment Data. Presentation to the American Institute of Architects/ Structural Engineers Association Committee on the Environment. August 13, 2013. San Francisco, CA.

LCA for WA: Life Cycle Assessment and Buildings Research for Washington State. Presentation to the Technical Advisory Group (TAG) for the Washington State Code Council. October 15, 2012. Olympia, WA.

Life Cycle Architecture: Quantifying the environmental performance of buildings. Keynote Speech at the 50th Anniversary meeting of the British Columbia Ready Mixed Concrete Association. October 20, 2012. Whistler, Canada.

Concrete Carbon Footprints-Developing Rigorous and Applicable Standards"
Opening Keynote Speech at the International Concrete Sustainability Conference, Boston, August 2011.

SELECTED BUILT PROFESSIONAL PROJECTS

Marin Street Residence Berkeley, CA 2010	New 1,500sf freestanding single family residence pavilion. Integrated PV roof, other low impact/high performing systems. Completed May 2011. <i>Architect in collaboration with Ben Parco and Philp Kaefer</i>
San Francisco City College San Francisco/North Beach Branch 2008	Design assistance and technical consultation for curtain wall system with multi-layered façade and sunshade system. Consulting to EHDD/Barcelon and Jang Architects
Speer Residence Oakland, CA 2006	Conversion and expansion of existing barn to create new single family residence. Utilized passive cooling strategies. <i>Architect and Structural Engineer</i>
Cobb Residence Kentfield, CA 2002	Extensive residential remodel and expansion to hillside residence. Includes new foundation and 1,500 expansion and 2,000 sf renovation. <i>Architect & Structural Engineer</i>
Landis Designs San Francisco, CA 2001	Seismic upgrade and interior design for 3,000 sf graphic design office. Included new skylight and extensive interior reconfiguration. <i>Architect & Structural Engineer</i>
Vacation Residence San Juan Island, WA 2001	Wood frame residence with exposed timber construction and articulated connection details. Structure integral to architectural expression. <i>Structural Engineer, Simonen Design for KW A</i>
Penthouse Oakland, CA 2001	Steel frame penthouse addition to a live-work loft in a concrete loft building. Exposed structure expresses industrial character. Complete. <i>Structural Engineer, Simonen Design for Tom Eliot Fisch</i>
Defenestration San Francisco, CA 1997	Structural design of anthropomorphic furniture pieces and anchorage to existing building in San Francisco. <i>Structural Engineer with Gregory Wallace, SE</i>

Kent Middle School Learning Center Kentfield, CA 1999	New Library and computer lab for middle school. 4,500 sf building with new entry plaza. Project Architect with EHDD/Peter Dodge
Wurster Hall Seismic Upgrade Berkeley, California 1997	Seismic upgrade of reinforced concrete structure. Interior construction modified as required to accommodate architectural work. \$29M project. Project Architect with EHDD
Bluxome Street Live Work Lofts San Francisco, CA 1996	105 unit, four story wood frame apartment complex over post-tensioned concrete parking garage. Project Engineer with STA for Mark Horton Architecture
Bank of America Tower Seismic Retrofit San Francisco, CA 1996	200 foot tall signage tower and four story office building. Strengthening of existing steel braced frames and connections. Project Engineer with Steven Tipping & Associates for Studios Arch
720 California Street Seismic Retrofit San Francisco, CA 1996	90,000 sf steel and concrete office building reinforced using a unique combination of concrete walls and steel bracing. Project Engineer with Steven Tipping & Associates for TGA Architects
Thoreau Center San Francisco 1996	Historic renovation and seismic upgrade of three hospital wards for re-use as office space requiring integration of structural and historic requirements. Project Engineer with Steven Tipping & Associates for TLMS Architects
Goodby Siverstein Office Stair San Francisco, CA 1996	New multi-level exposed structural steel staircase connecting three floors within an existing structure. Project Engineer with Steven Tipping & Associates for TLMS Architects
Boyd Lighting Company San Francisco, CA 1995	Seismic retrofit of existing 6,000 sf concrete and steel building for conversion to a lighting showroom and office.. Project Engineer with STA for Brayton and Hughes
St Joseph's Medical Center Stockton, CA 1993	Structural Design and Construction Administration of new steel framed hospital building and concrete parking garage Engineer with DASSE Design for Anshen and Allen

COURSES TAUGHT

University of Washington

2015	Arch 425/525	Life Cycle Assessment and Architecture
2015	Arch 498/598	Integrated Design Seminar (structures, real estate, sustainability)
2015	Arch 321	Undergraduate Structures II
2014	Arch 320	Undergraduate Structures I
2010 - 2015	ARCH 521	Graduate Structural Systems
2011, 2013, 2014-2015	ARCH/CM 404	Integrated Design Studio
2013, 2014	ARCH 598	Life Cycle Assessment Seminar
2012 - 2014	ARCH 322	Undergraduate Structures III

2009 - 2011	ARCH 323	Graduate Structures One
2010 - 2012	ARCH 324	Graduate Structures Two
2010 - 2011	ARCH 498	Structuring Efficiency Seminar

California College of the Arts

California College of the Arts (graduate and undergraduate integrated u.o.n.)

2008	Interdisciplinary Seminar, Solar Decathlon leadership and communication
2008	Advanced Studies in Architecture Technology, Integrated practice seminar
1996 - 2006	Structures II, faculty lead, grew to +/-70 students 3 faculty
1995 - 2005	Structures I, faculty lead, grew to +/-70 students 2 faculty
2002, 2005	Comprehensive Design Studio
2004	Advanced Studies in Architectural Technology, digital manufacturing seminar
2001 - 2003	Integrated Building Systems, faculty lead, +/-70 students, 2 faculty
2000	Advanced Studies in Architectural Technology, architectural detailing seminar

University of California, Berkeley- Graduate Student Instructor

1991 - 1992	Environmental Control Systems. Architecture: teaching assistant for E. Arens, G. Brager and C. Benton. Lead section, developed assignments and graded.
1990 - 1991	Statics and Strength of Materials and Structural Design for Architects. Teaching assistant in Department of Structural Engineering and Mechanics of Materials.

Ph.D. Committee Member

2014-	Christopher Monson, College of Built Environments (TBD)
2012-	Tait Bowers, College of Forest Resources (TBD) Factors influencing the awareness and participation in U.S. Residential Green Building Programs: The comparison of Architects and Builders perceptions and the effects of environmentally certified wood products

M.Arch Thesis

2016	Kristen Strobel (chair) In progress, topic: parametric design of tall mass timber
2015	Mariam Hovhannisyan (chair), topic: optimizing cross laminated timber
2012	David Fish (chair) (by)Metrics (by)Design: Building for Endurance
2013	Laura Poulin Redefining "All-Inclusive": Integrated Tourism in the Dominican Republic

Undergraduate Honors Thesis

2015	Ezekial Jones (chair), topic: Life Cycle Assessment of CLT/wood commercial building.
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TEACHING AWARDS

2006	NCARB Prize for Integration of Practice and the Academy. Contributor of work in comprehensive design studios highlighted in submission. \$7,000 awarded to CCA.
2004	NCARB Prize for Integration of Practice and the Academy. Principal faculty and responsible for curriculum development and prize application. \$7,000 awarded to CCA.
2003	Teacher of the Year-CCA Architecture Faculty. Initiated and selected by students.

COLLEGE SERVICE

Committees-University of Washington

- 2015 Dean's advisory committee for Architecture Chair Search
- 2014-15 Department of Civil Engineering Faculty Search Committee
- 2014- Interdisciplinary Group for the Master of Science in Real Estate
- 2013- Curriculum Committee
- 2009- Sustainability Committee
- 2014 Center for Integrated Design: Director Search Committee
- 2012-13 Structures Search Committee (Chair)
- 2010-11 Tenure Promotions and Merit Review Committee
- 2010 Thesis Award Committee
- 2009-12 Curriculum Committee

Committees-California College of the Arts

- 2008 Faculty Search Committee Member, *Department of Furniture*
- 2006 Chair Search Committee Member, *Department of Architecture*
- 2005 Presentation to NAAB (National Architecture Accrediting Board), Bozeman, MO
Successfully overturned (with Lisa Findley) probationary accreditation ruling.
- 2005 Faculty Search Committee Member, *Department of Architecture*
- 2004 CCA Appointments/Promotion/Tenure Committee, *Peer Review*
- 2003-05 CA/IDP College Representative, *Liaison for the California Intern Development Program*
- 2003-05 CCA Curriculum Committee Member, *College wide committee*
- 2000-03 Academic Advisor, *Department of Architecture*
- 2002 Chair Search Committee Member, *Department of Architecture*
- 2000-05 Liaison with Humanities & Sciences to develop math and physics curriculum for architecture

ACADEMIC SERVICE

Editorial Board Member

- 2010-13 *Journal of Architectural Education*
National Journal of the Association of Collegiate Schools of Architecture.

Event Organization

- CLF Low Carbon Building Summit*, Sept 10-11, 2015. Curated content and organized event. 70 attendees.
- Sustainable Structures Symposium*, Portland, OR, Scheduled 4/2014-Scientific committee.
- LCA Forum*. Organizer of public presentations of LCA in building practice. Sept 13, 2013. 50 attendees.
- Carbon Leadership Forum Annual meeting*, Sept 13, 2015. Curated content and organized event. 50 attendees.
- LCA for WA: Stakeholder Workshop*, Seattle, WA. May, 7. Co-chair organizer.
- Session Lead for *Structural Engineering Institute's Structures Congress*, Chicago, IL. May 2012.
- International Conference of LCA and Construction*, Nantes France July 2012-Scientific committee

Memberships in Academic Organizations

- 2007- Building Technology Educators Society

Peer Review

- 2015 ACSA Conference
Journal of Architectural Engineering
Journal of Cleaner Production
- 2014 Progress in Industrial Ecology, An International Journal
ACSA International Conference: OPEN CITIES
- 2013 Journal of Professional Issues in Engineering Education and Practice
Building Technology Educators Society Conference
- 2011-12 Journal of Architecture Education
- 2012 ACSA Fall 2012 Conference: OFF SITE: Theory and Practice of Architectural Production.
IFSTTAR LCA & Construction Conference
- 2011 MIT Research Report: Methods, Impacts, and Opportunities in the Concrete Building Life Cycle.
- 2009 Building Technology Educators Society Conference, Spring 2009.

Competition Jury

- 2014 Advisor to the Department of Agriculture judging of Tall Wood Building Prize Competition

PROFESSIONAL SERVICE

IV.C.1 Leadership / Committees

- 2015- US Green Building Council: Subject Matter Expert for the Materials & Resources Technical Advisory Group
Whole Building Life Cycle Assessment Subgroup.
- 2014- US Green Building Council: EPD Partnership Technical Advisory Panel
- 2012- ASTM E60-Sustainability Committee member
- 2011-13 ACLCA Product Category Rule Committee
- 2010-13 Structural Engineers Institute Sustainability Committee member
- 2010 Organized public lecture on Life Cycle Assessment/Carbon Accounting for professional community.
- 2010 Structural Engineers Association of Washington (SEAW): Sustainability Committee, member.
- 2004-05 Leadership San Francisco.

Memberships in professional organizations

- 2014- American Institute of Architects
- 2012- ASTM (International Standards Organization)
- 2011- American Center for Life Cycle Assessment
- 2010- Structural Engineers Association of Washington
- 2010-14 American Society of Civil Engineers-Structural Engineers Institute
- 2009-11 Cascadia Green Building Council
- 2007-09 United States Green Building Council
- 1992-09 Structural Engineers Association of Northern California
- 2000-05 American Institute of Architects