

CURRICULUM VITAE

BENJAMIN R. SPENCER

Principal
Traction | Nepal
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1. EDUCATION

Master of Landscape Architecture, University of Virginia. 2004
American Society of Landscape Architects Honor Citation

Master of Architecture, University of Virginia. 2004
Alpha Rho Chi Bronze Medal

Bachelor of Art in Political and Social Thought, University of Virginia. 1997
High Distinction

2. EXPERIENCE

Academic Experience

2019-present	<i>Affiliate Associate Professor</i> Department of Landscape Architecture, University of Washington
2015-2018	<i>Associate Professor</i> Department of Landscape Architecture, University of Washington
2015-2018	<i>Adjunct Associate Professor</i> Department of Global Health, University of Washington
2012-2016	<i>Core Faculty</i> PhD Program in the Built Environment, University of Washington
2010-2012	<i>Global Health and Environment Faculty Fellow</i> Department of Global Health and College of the Environment, University of Washington
2010-2015	<i>Adjunct Assistant Professor</i> Department of Global Health, University of Washington
2008-2015	<i>Assistant Professor</i> Department of Landscape Architecture, University of Washington

Professional Experience

- 2018-present *Principal*
Traction | Nepal
- 2007- 2008 *Designer*
Hybrid Architects
- 2004 -2006 *Designer/Community Development Volunteer*
Peace Corps, East Timor
- 2002, 2003 *Intern Designer*
William McDonough and Partners
- 2002 *Designer/Builder*
University of Virginia Solar Decathlon Team
- 2001 *Intern Designer*
The Center for Maximum Potential Building Systems
- 1998-2000 *Construction Project Manager*
Renovation Contractors
- 1997-1998 *Field Engineer/Estimator*
Clark Construction

Service Experience

- 2018-present *Co-founder*
Traction | Nepal | Seattle | Peru
- 2017-present *Co-chair, Service Learning and Community Engagement*
Council of Educators in Landscape Architecture
- 2014-present *Director*
ARC-PEACE International Architects/Designers/Planners for Social Responsibility
- 2014-2019 *Director*
Architects/Designers/Planners for Social Responsibility, USA
- 2011-2015 *President Emeritus and Director*
Architects without Borders-Seattle
- 2009-2011 *President*
Architects without Borders-Seattle

2007-2009 *Vice President and Chair*
Architects without Borders-Seattle

3. CREATIVE WORK

Research | Engaged Scholarship Projects

- 2018 **Park Pods.** Kathmandu, Nepal. Informal Urban Communities Initiative (IUCI) InterAction Nepal program, Participatory design and implementation of modular greenspace infrastructure in Hyumat community, a slum on the Bishnumati River in Kathmandu. Ben Spencer (project lead), Sabin Niglekhu (co-project lead) Laure Heland (co project lead), Brian Gerich (co-project lead), Alisha Adhikari (design coordinator), Sezica Shrethna (logistics coordinator).
- 2018 **InterAction Labs.** Iquitos, Peru. Informal Urban Communities Initiative (IUCI), Participatory design and implementation of neighborhood infrastructure. Monitoring and evaluation of project impacts on the human/animal biome. Joe Zunt (principle investigator) Coco Alarcon (director), Lean Andrews (director), Peter Rabinowitz (co-investigator), Ben Spencer (co-investigator) et. al.
- 2017 **Kholcha Pakha Park.** Kathmandu, Nepal. Informal Urban Communities Initiative (IUCI) Design Development Nepal program, Participatory design and implementation of a community park in the Hyumat community. Ben Spencer (project lead), David Citrin (co-project lead) Alisha Adhikari (design coordinator), Sezica Shrethna (logistics coordinator).
- 2016 **La Luna Verde.** Iquitos, Peru. Informal Urban Communities Initiative (IUCI), Participatory design, implementation and assessment of a large park and floating household gardens in the Claverito floating community. Jorge Alarcon (co-project lead), Leann Andrews (co-project lead), Susan Bolton (collaborator), Ben Spencer (advisor), Joe Zunt (advisor).
- 2015-2017 **Fog Water Farms.** Lima, Peru. Informal Urban Communities Initiative (IUCI), Comunidad Ecológica Saludable (CES). Participatory design and implementation of a large scale fog collection system and urban agricultural interventions. Ben Spencer (project lead) Susan Bolton (co-project lead), Brian Gerich (core collaborator), Jill Fortuna (core collaborator) David Witte (core collaborator), Jess Smith (core collaborator) Leann Andrews (core collaborator) and Jorge Alarcon (core collaborator).
- 2016 **Royal University of Fine Arts Makerspace.** Organized and set up a small digital fabrication facility (makerspace) at the Royal University of Fine Arts (RUFA) in Phnom Penh. Conducted introductory digital fabrication classes for visiting UW students (Spring 2016) and RUFA students (Spring and Fall 2016)
- 2016 **Pocket Street | Park.** Phnom Penh, Cambodia. Informal Urban Communities Initiative (IUCI), Participatory design and implementation of public street and green space for

community gathering in Pongro Senchey neighborhood of Phnom Penh. Ben Spencer (project lead), Robert Limanek, UW and Royal University of Fine Arts students participating in the 2016 IUCI Phnom Penh study abroad, the Community Development Foundation

- 2013-2014 **Gardens, Green Space and Health.** Lima, Peru. IUCI, CES. Community-driven participatory design, construction, monitoring and evaluation of 29 household gardens in Lomas de Zapallal. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joachim Voss (co-investigator), Jorge Alarcon (on-site coordinator) and students participating in independent study in Lima in 2013 and 2014.
- 2012-present **SQWater: Fog Collection.** Lima, Peru. IUCI, CES. Fog collection feasibility assessment and material tests in Lomas de Zapallal. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Jorge Alarcon (on-site coordinator), Shara Feld (doctoral candidate) and students participating in the 2012 Exploration Seminar, the 2012 and 2013 Fog Collection Seminars, the 2013 Design Activism Studio, and independent study in Lima in 2013.
- Escalera Secundaria Pitagoras (Pitagoras Secondary School Stair).** Lima, Peru. IUCI, Escuela Ecológica Saludable (EES). Participatory design, construction and assessment of a stairway and terraced garden at the Pitagoras Secondary School in Lomas de Zapallal, Lima Peru. Ben Spencer (project lead), Susan Bolton (co-project lead), Jorge Alarcon (on-site coordinator) and students participating in Exploration Seminars and independent study in Lima in 2012 and 2013.
- 2011-present **Parque Primaria Pitagoras (Pitagoras Primary School Park).** Lima, Peru. IUCI, EES. Participatory design, construction and assessment of a 600SM park at the Pitagoras Primary School in Lomas de Zapallal. Ben Spencer (project lead), Susan Bolton (co-project lead), Jorge Alarcon (on-site coordinator) and students participating in Exploration Seminars and independent study in Lima in 2011, 2012 and 2013.
- 2010-present **Aula Secundaria Pitagoras (Pitagoras Secondary School Classroom).** Lima, Peru. IUCI, EES. Participatory design and construction oversight of a 60SM classroom at the Pitagoras Secondary School in Lomas de Zapallal, Lima Peru. Ben Spencer (co-project lead), Joe Zunt (co-project lead), Jorge Alarcon (designer and on-site coordinator) and students participating in an Exploration Seminar and independent study in Lima in 2010 and 2011.
- 2010 **Baseline Mapping, Lomas de Zapallal.** Lima, Peru. IUCI. Baseline mapping project to establish baseline conditions of the built environment in Lomas de Zapallal, Lima, Peru. Ben Spencer (co-project lead), Joe Zunt (co-project lead), Jorge Alarcon (on-site coordinator) and students participating and independent study in Lima in 2010.
- 2010 - 2013 **Puget Sound Green Roof Study and Demonstration Projects.** Maltby and Seattle, WA. Research project focused on assessing the performance of 5 green roofs constructed with different green roof assemblies. The project also incorporated a demonstration green roof project constructed at the UW Botany Greenhouse. Ken Yocom (principal investigator), Ben Spencer (co-investigator).

2014
2008-2011 **Ventarron Master Plan and Roof Structure.** Lambayeque, Peru. Ben Spencer (project lead 2008-2011, consultant 2014), Jill Fortuna (AWB-Seattle project lead, 2014), Ignacio Alva Meneses (site archeologist), Molly Cherney (AWB-Seattle designer), Adine Gavazzi (site anthropologist), Brian Gerich (AWB-Seattle designer), Jack Heavner (AWB-Seattle designer), Ian Horton (AWB-Seattle designer), Keasa Jones (AWB-Seattle designer), Cesar Piscoya (site coordinator), Carol Ravano (AWB-Seattle designer), and Stephanie Wascha (AWB-Seattle designer).

National and International Awards for Engaged Scholarship | Design Projects

2014 **Best of 2014/Catalyst Program Selection, Buckminster Fuller Challenge.** The Buckminster Fuller Institute. International, more than 450 entries from 91 countries. For The Informal Urban Communities Initiative. Ben Spencer (director), Susan Bolton (co-director), Joachim Voss (co-director), Jorge Alarcon (on-site coordinator).

Public Interest Design Global Project Winner. Ecole Spécial d'Architecture, Paris, Design Corps and the SEED Network. International, 6 awards annually. Receiving the highest number of jury votes of any project submitted, according to competition organizers. For Comunidad Ecologica Saludable including the Gardens Green Space and Health and SQWater: Fog Collection projects. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joachim Voss (co-investigator), Jorge Alarcon (on-site coordinator) and students participating in the 2012 Exploration Seminar, the 2012 and 2013 Fog Collection Seminars, the 2013 Design Activism Studio and 2013 independent study in Lima.

Social Economic and Environmental Design (SEED) Award. Parsons New School of Design, Design Corps, the SEED Network. International, 6 awards annually. Receiving the highest number of jury votes of any project submitted, according to competition organizers. For Comunicad Ecologica Saludable including the Gardens Green Space and Health and SQWater: Fog Collection projects. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joachim Voss (co-investigator), Jorge Alarcon (on-site coordinator) and students participating in the 2012 Exploration Seminar 2012 and 2013 Fog Collection Seminars, the 2013 Design Activism Studio, and 2013 independent study in Lima. \$1000 prize.

2013 **2nd Place, ACSE Sustainable Development Award.** American Society of Civil Engineers and Engineers Without Borders USA. National, annually, 59 EPA P3 finalist university teams competing. For SQWater: Fog Collection. Ben Spencer (principal investigator), Susan Bolton (co-investigator) Jorge Alarcon (on-site coordinator) and students participating in the 2012 Exploration Seminar, the 2012 and 2013 Fog Collection Seminars, and the 2013 Design Activism Studio.

Finalist, EPA P3 Competition. United States Environmental Protection Agency. National, annually. 59 teams from US Universities selected to compete as finalists. For SQWater: Fog Collection. Ben Spencer (principal investigator), Susan Bolton (co-investigator), student chapters of Architects Without Borders and Engineers Without Borders.

- 2012 **EDRA Great Places Design Award.** Environmental Design Research Association. International, 1 award annually. For Escuela Ecologica Saludable including the Pitagoras Primary School Park, the Pitagoras Secondary School Classroom and the 2011 Design Activism Studio. Ben Spencer (project lead), Susan Bolton (co-project lead), Jorge Alarcon (on-site coordinator) and students participating in the 2011 Design Activism Studio and Exploration Seminar.
- Social Economic and Environmental Design (SEED) Award.** Design Corps and the SEED Network. International, 6 awards annually. For Escuela Ecologica Saludable including the Pitagoras Primary School Park, The Pitagoras Secondary School Classroom and the 2011 Design Activism Studio. Ben Spencer (project lead), Susan Bolton (co-project lead),,, Jorge Alarcon (on-site coordinator) and students participating in the 2011 Design Activism Studio and Exploration Seminar. \$1000 prize.
- 4th Place, People's Choice Award.** Tie. Structures for Inclusion 12. National, annually. Selected from 17 SEED Award winners/honorable mentions by vote of attendees at the 2012 Structures for Inclusion Conference. Austin, TX, March 24-25, 2012. For Escuela Ecologica Saludable: Parque Primaria Pitagoras. Ben Spencer (project lead), Susan Bolton (co-project lead), Jorge Alarcon (on-site coordinator) and students participating in the 2011 Exploration Seminar.
- 2008 **Winner, 99k House Competition.** Rice Design Alliance and the Houston Chapter of the American Institute of Architects. International. 182 entries. For Core. Owen Richards (principal), Robert Humble (principal), Joel Egan (principal), Ben Spencer (co-designer), Tom Mullica (co-designer) and Kate Stohr (co-designer)
- 2004 **Finalist, Next Big Idea Competition.** Metropolis Magazine. National. For Eco-Add-Ons. John Quale (faculty/project lead), Brian Shields (student), Meri Tepper (student) and Jen Shields (student) and Ben Spencer (student/contributed layered blinds concept)
- 2002 **2nd Place Overall, 1st Place in Architectural Design, Solar Decathlon.** US Department of Energy. National. 14 University teams competing. For Trojan Goat. UVA Solar Decathlon Team, Ben Spencer (student/design team member)
- BP Solar Progressive Design Award, Solar Decathlon.** BP Solar, US Department of Energy Solar Decathlon. National. Most Forward Thinking Design. For Trojan Goat. 14 University teams competing. UVA Solar Decathlon Team, Ben Spencer (student/design team member)
- *please reference the Teaching section for national and international teaching and student awards related to engaged scholarship projects.*

Other Recognition for Engaged Scholarship | Design Projects

- 2017 **University of Washington BE Boundless, for Washington, for the World Campaign.** The Informal Urban Communities Initiative. IUCI included in the University of Washington's BE Boundless Capital Campaign for the month of June, 2017. The campaign's immersive story features landscape architecture student, David de La Cruz.

David De la Cruz, Ben Spencer

- 2015 **University of Washington Report to Stakeholders: Boundless Innovation and Public Commitment.** The Informal Urban Communities Initiative, Gardens Green Space and Health project. Selected as one of six projects taking place at the University of Washington to be featured on front page of the University's annual report. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joachim Voss (co-investigator), Jorge Alarcon (on-site coordinator) and students participating in independent study in Lima in 2013 and 2014.
- 2012 **University of Washington Two Years Two Decades (2Y2D) Initiative 2012 Presidential Briefing on Collaborative Projects.** The Puente Piedra Project: Healthy Schools, Healthy Communities (a.k.a. Escuela Ecologica Saludable). Selected as one of 12 projects to be highlighted in a briefing presented to UW President Young as an example of collaborative interdisciplinary work taking place at the University of Washington. The 2Y2D initiative is charged with identifying trends and drivers of change and ensuring the UW is responding to them. Joe Zunt (co-project lead), Ben Spencer (co-project lead), Susan Bolton (co-project lead)
- 2004 **Winner, Benjamin C. Howland Memorial Design Competition.** 2nd Place. University of Virginia. Student competition. For Drawn. Ben Spencer (student/co-designer), Jeff Aten (student/co-designer), Alan Aukerman (student/co-designer), Jayme Aukerman (student/co-designer) and Brian Gerich (student/co-designer)

Technology Development

- 2016-present **Bottle Tee Irrigation 2.0.** Prototyping, refinement and testing of next generation bottle tee irrigation, a low-cost subsurface irrigation system with the potential to improve upon traditional drip irrigation systems in water consumption and ease of use.

Peer-reviewed Book

- 2014 Hou, Jeffrey, Ben Spencer, Thaisa Way and Ken Yocom (Eds.). 2015. *Now Urbanism: The Future City is Here*. Routledge, UK. (equal editorship)

Peer-reviewed Journal Articles

- 2018 Korn, Abigail, Susan M. Bolton, Jorge A. Alarcon, Leann Andrews, Benjamin Spencer, and Joachim G. Voss. 2018. Physical and Mental Health Impacts of Household Gardens in an Urban Slum in Lima, Peru. *International Journal of Environment and Public Health*. pp 2-11.
- 2016 Spencer, Ben, Josh Lawler, Luanne Thompson, Celia Lowe, Tom Hinckley, Soo-Hyung Kim, Susan Bolton, Scott Meschke, Julian Olden, and Joachim Voss. "Case studies in co-benefits approaches to climate change mitigation and adaptation." *Journal of Environmental Planning and Management*. 60 (4): 647-667. (first author)
- 2016 Feld, Shara, Ben Spencer and Susan Bolton. 2016. "Improved Fog Collection Using Turf

Reinforcement Mats.” *Journal of Sustainable Water in the Built Environment*. 2 (3): 1-8. (second author)

2014 Spencer, Ben, Susan Bolton and Jorge Alarcon. 2014. “The Informal Urban Communities Initiative, Community-driven design in the Slums of Lima, Peru.” *International Journal of Service Learning in Engineering*, 9(1): 92-107. (first author)

Yocom, Ken and Ben Spencer. 2014. “Green Roof Performance Study: Puget Sound Region.” *Landscape Research Record*. Council of Educators in Landscape Architecture. No. 1: 291-299. (second author)

Peer-reviewed Book Chapters | Case Studies

2018 Spencer, Ben. 2018. “Engaging the Field Experience: Integrated, Interdisciplinary, On-Site, Enduring” In Bryan Bell and Lisa Albendroth (Eds.). *Public Interest Design Education Guidebook: Curricula, Strategies, and SEED Academic Case Studies*. Routledge, UK. pp. 55-57.

2018 Hou, Jeff, Ben Spencer and Daniel Winterbottom. 2018. “Whole-Systems Public Interest Design Education: Department of Landscape Architecture, University of Washington” In Bryan Bell and Lisa Albendroth (Eds.). *Public Interest Design Education Guidebook: Curricula, Strategies, and SEED Academic Case Studies*. Routledge, UK. pp. 8-21.

2016 Spencer, Ben and Susan Bolton. 2016. “Emergent Convergent: Technology and the Informal Urban Communities Initiative”. In Daniel Ortega and Jonathan Anderson (Eds.). *Innovations in Landscape Architecture*. Routledge, UK. pp. 205-222.

2014 Spencer, Ben, Susan Bolton and Jorge Alarcon. 2014. “The Informal Urban Communities Initiative, Lomas de Zapallal.” In Jeff Hou, Ben Spencer, Thaisa Way and Ken Yocom (Eds.). *Now Urbanism: The Future City is Here*. Routledge, UK. pp. 328-357. (first author)

Andrews, Leann and Ben Spencer. 2014. “Design as Preventive Medicine.” In Evert, J., Drain, P., and Hall, T. (Eds.). *Developing Global Health Programming: A Guidebook for Medical and Professional Schools, Second Edition*. Schools. Global Health Education Collaboration Press. p. 274-277. (second author)

Spencer, Ben and Leann Andrews. 2014. “Interdisciplinary Design Case Study: Escuela Ecologica Saludable Initiative (The Healthy Ecological School Initiative) Lomas de Zapallal, Lima, Peru.” In Evert, J., Drain, P., and Hall, T. (Eds.). *Developing Global Health Programming: A Guidebook for Medical and Professional Schools, Second Edition*. Schools. Global Health Education Collaboration Press. p. 278-283. (first author)

2013 Lawler, J. J., Ben Spencer, J. D. Olden, S. H. Kim, C. Lowe, S. Bolton, B. M. Beamon, L. Thompson, and J. G. Voss. 2013. “Mitigation and Adaptation Strategies to Reduce Climate Vulnerabilities and Maintain Ecosystem Services.” In Pielke Sr., Roger A. (Ed.) *Climate Vulnerability: Understanding and Addressing Threats to Essential Resources*. Elsevier Inc., Academic Press, 315–335. (second author)

- 2009 Spencer, Ben, Adine Gavazzi, Ignacio Alva Meneses and Louis Enrique Sanchez. 2009. "Paisaje Cultural de Ventarron: Plan Maestro de un Reserva Ecologica y Cultural." In Amaya, Fabio Rodriguez (Ed.). *Derechos Humanos, Patrimonio Cultural y Memoria en Colombia, Plan Maestro del Paisaje Cultural de Ventarron en Peru*. University of Bergamo Press, Bergamo, Italy p.86-87 (images), 45-53. (first author) in Spanish
- Spencer, Ben. 2009. "Paisaje Cultural de Ventarron: El Plan Maestro y el Proceso Participativo en la Filosofia de los Derechos Humanos y la Etica de la Cooperacion Internacional." In Amaya, Fabio Rodriguez (Ed.). *Derechos Humanos, Patrimonio Cultural y Memoria en Colombia, Plan Maestro del Paisaje Cultural de Ventarron en Peru*. University of Bergamo Press, Bergamo, Italy p.92 (images), 103-108. (first author) in Spanish
- Jones, Keasa, Spencer, Ben, and Stephanie Wascha (alphabetical). 2009." Proyecto Huaca Ventarron." In Amaya, Fabio Rodriguez (Ed.). *Derechos Humanos, Patrimonio Cultural y Memoria en Colombia, Plan Maestro del Paisaje Cultural de Ventarron en Peru*. University of Bergamo Press, Bergamo, Italy p.85/88-91 (images), 109-112. (equal authorship) in Spanish

Grants | Fellowships

- 2018 **UW Global Innovation Fund Innovation in Study Abroad Grant.** Grant to support the 2018 Winter and Spring Quarter InterAction Nepal study abroad program in Kathmandu. Ben Spencer (principal investigator), Laure Heland (co Investigator), David Citrin (co-investigator) \$6,000.
- 2017 **InterACTION Labs.** University of Washington Population Health Initiative. To support an interdisciplinary, action-oriented InterACTION Lab pilot focusing on community-based education and research on the health impacts of built environment interventions in Claverito, Iquitos, Peru. Joe Zunt (principle-investigator), Ben Spencer (co-investigator) Peter Rabinowitz (co-investigator), Rebecca Newmann (co-investigator), Ana Lucia Seminario (co-investigator) \$77,500 (\$155,000 with CITBM funds)
- 2016 **UW Global Innovation Fund Innovation in Study Abroad Grant.** Grant to support the 2015 Spring Quarter Phnom Penh, Cambodia study abroad program and the establishment of a small digital fabrication facility at the Royal University of Fine Arts, Cambodia. Ben Spencer (principal investigator), Kimo Griggs (collaborator), Roark Congdon (collaborator), Tracy Harachi (collaborator), Jim LoGerfo (collaborator), \$5,000.
- 2015-2017 **Robert Rauschenberg Foundation Climate Change Solutions Fund.** Grant with Architects Without Borders – Seattle to design and implement the Informal Urban Communities 'Fog Water Farms' project including 50 household gardens a public park and a large scale fog collection system in Lomas de Zapallal, Lima Peru. Ben Spencer (project lead), Susan Bolton (project co-lead), Brian Gerich (core collaborator), Jill Fortuna (core collaborator), Leann Andrews (core collaborator), Jorge Alarcon (core collaborator) \$100,000.

- 2014 **UW College of Built Environments.** Grant to integrate resilience thinking at multiple spatial and temporal scales into research and pedagogy of the built environments at the University of Washington. Dan Abramson (principal investigator), Marina Alberti (core collaborator), Manish Chalana (core collaborator), Cynthia Chen (core collaborator), Rob Corser (core collaborator), Omar El-Anwar (core collaborator), Bob Freitag (core collaborator), Jeff Hou (core collaborator), Bob Mugerauer (core collaborator), Kate Simonen (core collaborator), Ben Spencer (core collaborator)(alphabetical). \$35,000.
- 2013 **Johnston Hasting Publication Support.** Award/grant for the publication of *NOW Urbanism: the Future City is Here*. Ben Spencer (co-investigator), Ken Yocom (co-investigator). \$1,500.
- University of Washington Royalty Research Fund.** Grant to study the social, environmental and human health impacts of household gardens/green areas in Lomas de Zapallal. Ben Spencer (principal investigator), Joachim Voss (co-investigator), Susan Bolton (co-investigator). \$37,200.
- 2012 **EPA P3 Phase I Grant.** Grant supporting EPA P3 Competition team focused on the development of fog collection technologies as an alternative water source in Lomas de Zapallal. Ben Spencer (principle investigator), Susan Bolton (co-investigator). \$14,423.
- International Provost Grants, Faculty-led Program Grant.** Grant to support non-UW personnel expenses associated with the 2012 Exploration Seminar in Lomas de Zapallal, Lima, Peru. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joe Zunt (co-investigator). \$3,500.
- 2011 **International Provost Grants, Faculty-led Program Grant.** Grant to support non-UW personnel expenses associated with the 2011 Exploration Seminar in Lomas de Zapallal, Lima, Peru. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joe Zunt (co-investigator). \$2,000.
- 2010 **UW Department of Global Health and UW College of the Environment.** Global Health and Environment Fellowship. One of 12 faculty at the UW selected from more than 100 applicants to participate. \$19,335 in salary support, 2010-2012 and \$8,000 in project support, 2012-2014.
- Mellon Foundation John E. Sawyer Seminar.** Grant to host, Next City, Now Urbanism: City-making in the 21st Century and Beyond, a two year series of nine symposiums critically assessing contemporary urbanism. Thaisa Way (co-convener), Margaret O'Hara (co-convener), Ben Spencer (core collaborator), et. al. \$173,000.
- R. Hunter Simpson Foundation.** Grant to support the Puente Piedra Projects Program (a.k.a The Informal Urban Communities Initiative), and the design and construction of projects at the Pitagoras School in Lomas de Zapallal, Lima, Peru. Joe Zunt (co-investigator), Susan Bolton (co-investigator), Ben Spencer (co-investigator), Jim LoGerfo (co-investigator) Jorge Alarcon Sr. (co-investigator), Jorge Alarcon Jr. (co-investigator), Silvia Montano (co-investigator). \$10,000.

Roof Contractors Institute Foundation. Grant to develop green roof stormwater performance protocols specific to the Puget Sound region. Ken Yocom (principal investigator), Ben Spencer (co-investigator). \$25,500.

University of Washington College of Built Environments. Grant supporting the BE Lab, Constructed Frontiers: Cultural and Physical Systems on the Duwamish River. Ben Spencer (co-investigator), Brian Gerich (co-investigator), Susan Jones (co-investigator). \$25,000.

2006

AusAID ETCAS. Grant to support the construction of the Venilale Community Center/Meeting Hall. Klibur Komunitade Venilale (community based organization), Ben Spencer (project lead). \$15,000. Funding secured, project delayed and modified due to civil unrest in East Timor and the evacuation of foreign nationals.

USAID Small Grants Program. Grant to support the construction of Venilale Ecotourism Headquarters. Klibur Komunitade Venilale (community based organization), Ben Spencer (project lead). \$135,000. Proposal originally submitted as a \$10,000 SPA Grant proposal. The USAID Small Grants Program co-opted the proposal and increased its funding. Funding later withdrawn due to civil unrest in East Timor and the evacuation of foreign nationals.

Peace Corps SPA Grant. Grant to support the construction of Venilale Bamboo Center/Center for Sustainable Building. Ben Spencer (principal investigator), Grupu Au Vicoza. \$10,000. Funding secured and later partially withdrawn following initial project implementation due to civil unrest in East Timor and the evacuation of foreign nationals.

Peace Corps SPA Grant and Catholic Relief Services. Bamboo harvesting, preservation and construction workshops. Jennifer Spencer (co-investigator), Ben Spencer (co-investigator), Grupu Au Vicoza. \$10,000. Funding secured, training delayed and only partially implemented due to civil unrest in East Timor and the evacuation of foreign nationals.

Other Funding

2009-2017 **AWB-Seattle.** Funds to support the design and construction of projects in Lomas de Zapallal, Lima, Peru. Ben Spencer (project lead), Susan Bolton (co-project lead), Jorge Alarcon (on-site coordinator) and designers from AWB-Seattle. More than \$25,000 including in-kind and monetary contributions.

2009 **Suenos Peru/Jeb Wyman.** Funds to support the Puente Piedra Projects Program (a.k.a The Informal Urban Communities Initiative), specifically, the design and construction of projects at the Pitagoras School in Lomas de Zapallal, Lima, Peru. Joe Zunt (co-investigator), Susan Bolton (co-investigator), Ben Spencer (co-investigator), Jim LoGerfo (co-investigator) Jorge Alarcon Sr. (co-investigator), Jorge Alarcon Jr. (co-investigator), Silvia Montano (co-investigator). \$10,000.

Grants Solicited (pending or not funded)

- 2017 **Population Health and UW World.** University of Washington-Peru Population Health Partnership Program. To support an on-site center and project funding for community-based education and research in Peru. Joe Zunt (principle-investigator), Jim LoGerfo (co-investigator), Ben Spencer (co-investigator) Susan Bolton (co-investigator) \$250,000.
- 2016 **Wellcome Trust, Sustaining Health.** Proposal - Urban and Peri-Urban Agriculture to Reduce Iron Deficiency Anemia in Cambodia, Cote d'Ivoire, Ghana and Peru - to support the expansion of the IUCI Gardens Green Space and Health project. Kris Ebi (principal investigator), Ben Spencer (co-investigator), Murielle Dubbeling (co-investigator), Adam Drewnowski (co-investigator), Joe Zunt (co-investigator) et. al. \$15,000,000.
- 2014 **Wellcome Trust, Sustaining Health.** Concept note (initial) proposal to support the "Fog Water Farms" project in Lima, Peru. Joachim Voss (co-investigator/named principal investigator), Ben Spencer (co-investigator), Susan Bolton (co-investigator). \$350,000.
- Semi-finalist, USAID Securing Water for Food Grand Development Challenge.** One of 83 semi-finalists selected from 520 applications. Proposal to support the Fog Water Farms project in Lima, Peru. Ben Spencer (principal investigator), Susan Bolton (co-investigator), Joachim Voss (co-investigator). \$100,000 year 1, \$500,000 over 3 years.
- 2013 **Wellcome Trust, Sustaining Health.** Concept note to support expansion of the Gardens, Green Space and Health and SQWater projects. Joachim Voss (principal investigator), Ben Spencer (co-investigator), Susan Bolton (co-investigator). \$383,000.
- Reed Elsevier Environmental Challenge.** Proposal to support the implementation of a large scale fog collection system as an alternative water source in Lomas de Zapallal, Lima, Peru. Ben Spencer (principal investigator), Susan Bolton (co-investigator). \$53,424.
- 2012 **Finalist, USAID Higher Education Solutions Network.** 1 of 5 finalists selected from more than 300 applicants. 2 funded. Strategic Analysis, Innovation and Translation for Development Consortium. Proposal focusing on global health and environmental change with a geographic focus in Kenya. Judy Wasserheit (co-principal investigator), Judd Walson (co-principal investigator), Ben Spencer (core collaborator/wrote CBE capacity statement), et. al. \$25,000,000 over 5 years.
- Finalist, National Science Foundation.** 1 of 9 finalists selected from more than 100 applicants. 3-4 funded. University of Washington Sustainability Research Network, Thriving in Sustainable Cities: Sustainability Science Meets the Science of Human Well-Being. Lisa Graumlich (principal investigator), Howie Frumkin (co-investigator), Daniel Friedman (co-investigator), Marina Alberti (co-investigator), Ben Spencer (collaborator), et. al. \$4,000,000.
- University of Washington Royalty Research Fund.** First submission. Grant to study the social, environmental and human health impacts of household gardens/green areas in Lomas de Zapallal. Ben Spencer (principal investigator), Joachim Voss (co-investigator), Susan Bolton (co-investigator). \$40,000.
- 2011 **Finalist, UNESCO International Fund for Cultural Diversity.** Proposal to fund phase I

implementation of Paisaje Cultural de Cerro Ventarron. Plan Maestro para una Reserva Ecologica Cultural. Ignacio Alva Meneses (principal investigator), Ben Spencer (co-investigator), Adine Gavazzi (co-investigator), Cesar Piscoya (co-investigator). \$99,500.

UW Global Center for Integrated Health of Women Adolescents and Children Integrated Health Seed Grants. Women, Stress and Urban Slums. Ben Spencer (principal investigator), Joachim Voss (co- investigator), Susan Bolton (co- investigator). \$25,000.

National Science Foundation. Dynamics of Coupled Human and Natural Systems. Proposal to develop a conceptual model and metrics to evaluate climate change adaptation strategies with co-benefits to human health and the environment. Model and metrics to be field tested onsite in Lima, Peru. Soo-Hyung Kim (principal investigator), Scott Meschke (co-investigator), Ben Spencer (core collaborator), et. al. \$250,000.

Roof Contractors Institute Foundation Water Quality Monitoring. Proposal to test water quality of green roof runoff in the Pacific Northwest. Ken Yocom (principal investigator), Ben Spencer (co-investigator) \$11,194.

Washington Global Health Alliance, Party with a Purpose. Proposal to make the Informal Urban Communities Initiative the 2011 WGHA Party with a Purpose fundraiser cause. Ben Spencer (co-investigator), Susan Bolton (co-investigator), Joe Zunt (co-investigator). \$10,000-\$15,000 estimated proceeds.

2010 **Graham Foundation for Advanced Studies in the Visual Arts.** Proposal to host the Next EcoCity symposium examining contemporary urbanism and future potentials of cities through the lens of ecological design and planning. Thaisa Way (co-investigator), Jeff Hou (co-investigator), Ben Spencer (core collaborator), Ken Yocom (core collaborator). \$30,000.

University of Washington Royalty Research Fund. Second submission. Proposal to test the performance of Pacific Northwest native plants on green roofs. Ben Spencer (principal investigator), Ken Yocom (co-investigator), Gundula Proksch (co-investigator). \$25,914.

2009 **University of Washington Royalty Research Fund.** First submission. Proposal to establish the Puget Sound Green Roof Study to test vegetation and stormwater performance of green roof assemblies in Maltby, WA. Ken Yocom (principal investigator), Ben Spencer (co-investigator), Gundula Proksch (co-investigator). \$36,265.

2008 **Dumbarton Oaks Foundation.** Proposal to develop a model for community-based cultural heritage tourism in connection with the discovery of the oldest murals in Americas at the Ventarron archeological site. Ben Spencer (principal investigator), Ignacio Alva Meneses (co-investigator), Adine Gavazzi (co-investigator), Stephanie Wascha (co-investigator), Keasa Jones (co-investigator). \$7,780.

University of Washington Department of Global Health. Proposal in response to the Inter-Departmental and Inter-School Initiatives RFP to support research projects in the

Valle de Nazareth slum settlement of Guatemala City. Ben Spencer (principal investigator), Nancy Rottle (co-investigator), Brian Gerich (co-investigator), Ken Yocom (co-investigator), Daniel Winterbottom (co-investigator), Amanda Moran Merida (co-investigator), Sandra Lorena Drummond (co-investigator), Charles N. Mock (co-investigator), Catherine Carr (co-investigator), Owen Richards (co-investigator). \$150,000.

Peer-reviewed Conference Presentations

- 2017 Spencer, Ben, "Informal Urban Communities Initiative: Taking Design Activism to Scale, Slowly". 2017 Council of Educators in Landscape Architecture Conference: Bridging. Beijing, China, May 26-29, 2017.
- 2014 Spencer, Ben, Susan Bolton, Joachim Voss, et.al. "Gardens and Health in Eliseo Collazos." 2014. *EDRA 45, Building With Change, Proceedings of the 45th Annual Conference of the Environmental Design Association*. New Orleans, LA, May 28-31, 2014. pp. 311. (first author)
- Rottle, Nancy, Patsy Eubanks Owens, Ben Spencer, Will Green. 2014. "Service-Learning as a Change Agent: Issues and Solutions." *EDRA 45, Building With Change, Proceedings of the 45th Annual Conference of the Environmental Design Association*. New Orleans, LA, May 28-31, 2014. pp. 333. (panel, co-author)
- Spencer, Ben, Susan Bolton, Shara Feld. 2014. "SQWater: Design Pedagogy for Slum Cities." 2014. *Layers: Landscape, City and Community, Council of Educators in Landscape Architecture Conference Proceedings*. Morgan State University, Baltimore, MD, March 26-29, 2014. pp. 54. (first author)
- Green, Will, Nancy Rottle, Patsy Eubanks Owens and Ben Spencer. 2014. "Layers of Learning: Engaged Scholarship for Student and Community Education." *Layers: Landscape, City and Community, Council of Educators in Landscape Architecture Conference Proceedings*. Morgan State University, Baltimore, MD, March 26-29, 2014. pp. 256. (panel, co-author)
- 2013 Spencer, Ben, Susan Bolton and Jorge Alarcon. 2013. "Assessing and Learning from the Conditions and Impacts of the Parque Primaria Pitagoras (PPP): Year 1." *EDRA 44 Providence, Healthy Healing Places, Proceedings of the 44th Annual Conference of the Environmental Design Association*. Providence, RI, May 29-June 1, 2013. pp. 326. (first author)
- Spencer, Ben, Susan Bolton and Jorge Alarcon. 2013. "Escuela Ecológica Saludable Initiative: Facing the Challenges of Classroom Construction in the Assentimientos Humanos of Lima, Peru." *Space Time Place Duration: Council of Educators in Landscape Architecture Conference Proceedings*. University of Texas at Austin. Austin, TX. March 27-30, 2013. pp. 280. (first author)

Spencer, Ben and Ken Yocom. "Greenroof Performance Study: Puget Sound Region. 2013. *Space Time Place Duration: Council of Educators in Landscape Architecture Conference Proceedings*. University of Texas at Austin. Austin, TX. March 27-30, 2013. pp. 252. (first author)

2012 Spencer, Ben. 2012. Comunidad Ecologica Saludable: Design Activism and Education in the Urban Slums of Lima, Peru. *EDRA43 Seattle, Emergent Place Making, Proceedings of the 43rd Annual Conference of the Environmental Design Association*. Seattle. May 30-June2, 2012. pp. 189.

2011 Winterbottom, Daniel, Ben Spencer and David Watts. 2011. Bridging Cultures/Building Communities: Landmines + Sweat + Tears = Questions. *Erasing Boundaries 2nd National Symposium: Educating at the Boundaries, Community Matters*. Hunter College. New York, NY. April 29-30, 2011. pp. 25. (panel, co- author)

2010 Spencer, Ben. 2010. Design, Ecology and Health in Lomas de Zapallal. Landscape Legacy: Landscape Architecture Between Art and Science. *Council of Educators in Landscape Architecture and International Study Group on Multiple Uses of Land Conference Proceedings*. Maastricht, Netherlands. March 11-14, 2010. pp. 56.

Spencer, Ben. 2010. Community-Based Cultural Heritage Tourism at Huaca Ventarron. *EDRA41 Policy and the Environment. Proceedings of the 41st Annual Conference of the Environmental Design Research Association*. Washington D.C. June 2-6, 2010. pp. 147.

Peer-reviewed Poster Presentations

2013 Andrews, Leann, Susan Bolton, Shara Feld, Rekha Ravindran, Francisca Salazar, Ben Spencer and Joachim Voss (alphabetical). 2013. "Gardens, Green Space and Health in the Informal Urban Settlements of Lima, Peru." Global WACH & PERLA Symposium: Global Health for Women, Children and Adolescents: Making a Difference Across the Lifespan. Seattle. November 7, 2013. (equal authorship)

2012 Yocom, Ken, Ben Spencer, Kevin Bogle and Virginia Werner. 2012. "Green Side Up: Assessing the Performance of Green Roof Infrastructure in the Puget Sound Cascadia Region." *EDRA43 Seattle, Emergent Place Making*. Seattle. May 30-June2, 2012. (second author)

Bolton, Susan, Ben Spencer and Joachim Voss. (alphabetical) 2012. "Designing Building and Sustaining Healthy Urban Environments." 9th Annual Western Regional International Health Conference: At a Crossroads: Choosing Hidden Paths in Global Health. University of Washington. Seattle. April 27-29, 2012. (equal authorship)

2011 Bolton, Susan, Joachim Voss, Benita Beamon, Soo Hyung Kim, Josh Lawler, Celia Lowe, Scott Meschke, Julian Olden, Luanne Thompson, Judd Walson and Ben Spencer. 2011. "Critical Review of Metrics for Assessment of Health and Environmental Co-benefits from Adaptation Strategies in Response to Climate Change." Consortium of Universities for Global Health. Montreal, Quebec, November 13-15, 2011. (equal authorship)

2010 Beamon, Benita, Susan Bolton Soo Hyung Kim, Josh Lawler, Celia Lowe, Scott Meschke Julian Olden, Ben Spencer, Luanne Thompson, Joachim Voss, Judd Walson and Dongsheng Zang (alphabetical). 2010. "Adaptive Solutions for Human Health and the Environment: Joint Global Health- Environment Fellows: Education, Research and Service Model for the 21st Century." Consortium of Universities for Global Health 2010 Annual Meeting. University of Washington, Seattle. September 20-21, 2010. (equal authorship).

2009 Gavazzi, Adine, Ignacio Alva, Ben Spencer, Stepahanie Wascha, Keasa Jones. 2009. "Ventarron: The Rise and Fall of Civilization on the Northern Coast of Peru." 49th Annual Meeting of the Institute for Andean Studies, University of California, Berkley. Berkeley California. January 9-10, 2009. (third author)

Peer-reviewed Comments

2008 Spencer, Ben. "Further Resources." Comment in Suarez, Pablo. 2008. "Climate Related Disasters, Humanitarian Challenges and Reconstruction Opportunities." *Places Journal*, 20(2): 67.

Journal Articles (non peer-reviewed)

2009 Spencer, Ben. 2009. "Upgrading Slum Upgrading." *Column 5*. v23: 64-69.

Self-published Works (non peer-reviewed)

2014-present Spencer, Ben. 2014. "The Informal Urban Communities Initiative." Website. Website to disseminate information on the IUCI. www.be.washington.iuci/wp.

Spencer, Ben, Susan Bolton and Jorge Alarcon. 2014. "Informal Urban Communities Initiative, Comunidad Ecologica Saludable, Gardens Green Space and Health." film. Filmed and edited White Noise Productions. Released March 12, 2014.

Theses

2004 Spencer, Ben. 2004. *Learning from La Vega*. MLA, MArch Thesis. University of Virginia School of Architecture, Charlottesville, VA.

1997 Spencer, Ben. 1997. *The Glasgow School of Art and the Nature of Societal Evolution: An Analysis of the Work and Legacy of Charles Rennie Mackintosh*. Undergraduate Thesis. Program in Political and Social Thought. University of Virginia, Charlottesville, VA.

Invited Presentations | Panels

2018 *Invited presenter*. "University of Washington, Kathmandu University Collaboration / InterAction Nepal" UW Nepal Symposium April 18th, 2018.

Invited presenter. "InterAction Nepal" Kathmandu University School of Arts. January 8th, 2018.

Invited presenter. "InterAction Nepal" Tribhuvan University, Institute of Engineering. January 14th, 2018.

Invited presenter. "Design Development Nepal" Kathmandu University School of Arts. August 8th, 2018

Invited presenter. "Informal Urban Communities Initiative" Tribhuvan University, Institute of Engineering. August, 2018.

2017 *Invited presenter.* "Fog Water Farms" University of Washington Office of External Affairs, Business Advisory Council Meeting, May 4, 2016.

2016 *Invited presenter.* "The Informal Urban Communities Initiative: Phnom Penh, Design Activism, Digital Fabrication" Royal University of Fine Arts, Phnom Penh, March 4, 2016.

2014 *Invited presenter.* "The Informal Urban Communities Initiative: Comunidad Ecologica Saludable, Gardens Green Space and Health." Public Interest Design-Global Conference. Ecole Spécial d'Architecture, Paris, France, April 18-19, 2014.

Invited presenter. "The Informal Urban Communities Initiative: Comunidad Ecologica Saludable, SQWater." Structures for Inclusion 14, New York, NY, March 22-23, 2014.

2013 *Invited moderator.* "Evidence-based Design for Health: from Cityscape to Icescape." Seattle Design Festival. Seattle, September 16, 2013.

2012 *Invited discussant.* "SEED®, not LEED: Measuring the Social Impact of Design." EDRA43 Seattle, Emergent Place Making, Seattle, May 30-June 2, 2012. Workshop organized by Bryan Bell and Jeffrey Hou.

Invited presenter by proxy. "Escuela Ecologica Saludable: Parque Primaria Pitagoras." Structures for Inclusion 12, New York, NY. March 23-25, 2012. Project presented by Dan Shaw, Leanne Andrews and Coco Alarcon due to birth of child.

2011 *Invited Presenter.* "The Architect's Role in Mitigating Poverty." International Architect Encounter. Associazione Canova, Piedmont, Italy. June 28, 2011.

2010 *Invited Presenter.* "Guadua y El Paisaje Cultural de Ventarron." Universidad Catolica de Santo Toribio de Mogrovejo, Chiclayo, Peru. August 24, 2010.

Invited Presenter. "Guadua y El Paisaje Cultural de Ventarron." Universidad de San Martin de Porres, Chiclayo, Peru. August 27, 2010.

Invited Presenter. "Architects Without Borders-Seattle / Disaster Recovery in Haiti." Helping Haiti-Designers 4 Haiti, University of Washington. Seattle. April 19, 2010.

Exhibitions

- 2017 Spencer, Ben and the IUCI team. "Fog Water Farms" Museum of London. City Now/City Future Exhibition/Season. May 2017-April 2018.
- 2012 Spencer, Ben, Susan Bolton, Jorge Alarcon, Leann Andrews and Dan Shaw. "Escuela Ecologica Saludable Initiative." Structures for Inclusion 12: People's Choice Exhibit. University of Texas at Austin, Austin, TX. March 24, 2012. (equal authorship)
- Spencer, Ben, Susan Bolton and Jorge Alarcon. "Escuela Ecologica Saludable: Parque Primaria Pitagoras." EDRA43 Seattle Emergent Placemaking. Great Places Awards Exhibit. Seattle. May 30-June 2, 2012. (equal authorship)
- Spencer, Ben, Susan Bolton and Leann Andrews. "Escuela Ecologica Saludable." Video segment produced by the Department of Global Health and the Production Network. Pathways to Global Health Exhibit. The Next Fifty. Seattle Center, Seattle. July 2-August 19, 2012. (equal authorship)
- 2010 Spencer, Ben. "Lomas de Zapallal, Puente Piedra: Health Ecology and the Built Environment in the Pueblos Jovenes of Lima, Peru." University of Washington Department of Global Health Open House. Seattle. May 27, 2010.
- 2009 Spencer, Ben, Stephanie Wascha and Keasa Jones. "Huaca Ventarron." Design in the Public Interest Making Change Exhibition. Seattle AIA. Seattle. March 17-April 28 2009. (equal authorship)
- 2007 Spencer, Ben. "Venilale Community Center." International Bamboo Building Design Competition, Visionary Treehouse and Bamboo Designs for Ecological Living Travelling Exhibition. Venues include Kunsthochschule Kassel, Kassel, Germany, Sociedad Colombiana de Arquitectos SCA, Bogota, Columbia, Lima, Peru, International Bamboo and Rattan Exhibition, Guangzhou, China and The Great Hall of the People, Beijing, China. 2007-2008. (designer with graphics support from Brian Gerich)
- 2004 Quale, John, Ben Spencer, Brian Shields, Meri Tepper and Jen Shields. "ecoADD-ONS." International Contemporary Furniture Fair, Raw: The Next Generation Exhibition. Jacob K. Javits Convention Center New York. May 15-17, 2004. (student/contributed layered blinds concept)
- 2003 Spencer, Ben and Brian Gerich. "Warehouse." HOME House Project Traveling Exhibition. Venues include Contemporary Art Museum of Virginia, Baltimore's Center for Visual Art and Culture, Atlanta's Museum of Design, Weisman Museum in Minneapolis. 2003-2006. (equal authorship)
- Spencer, Ben and Brian Gerich. "Warehouse." HOME House Project Exhibition. Southeastern Center for Contemporary Art. Winston-Salem, NC. May-July, 2003. (equal authorship)

Documentaries and Profiles (by others)

- forthcoming "Profiles of Design and Planning Professionals in University and Community Practice". Interview and revisions. Mallika Bose and Paula Horrigan. 2015 and 2016. Research on personal history as a design activist and current work as part of the Informal Urban Communities for eventual publication in a book or other format.
- 2013 "Climate of Change - Fog Harvesting." 2013. Diane Duthweiler. UWTV, UW 360. 3:35. Released October 25, 2013. Documentary film on the SQWater: Fog Collection project in progress. Previously released as "Making Fog", April 7, 2013. (principal investigator)
- 2012 "SEEDocs: Escuela Ecologica." 2012. The UpTake. Sponsored by the SEED Network. 9:54. Released October 25, 2012. Film documenting the Escuela Ecologica Saludable and including footage of construction and interviews during on-site activities in Lomas de Zapallal in August of 2012. (project lead)
- "The Puente Piedra Project." 2011. Filmed by Jeb Wyman, edited by Sam Bender. 5:46. Released March 7, 2012. Documentary film including footage of the construction of the Pitagoras Primary School Park and interviews with students participating in the 2011 Exploration Seminar. (project lead)

Published Projects

- 2015 "Comunidad Ecologica Saludable, Gardens, Green Space and Health." Case study in: Abendroth, Lisa M. and Bryan Bell (Eds.) *Public Interest Design Practice Guidebook: SEED Methodology, Case Studies and Critical Issues*. 2015. Routledge. (principal investigator)
- 2014 "SQWater: Fog Collection." Referenced in: Carlos Angel Sanchez Recio, Zaki Ahmad and Tony F. Diego. "Nanotechnology in Passive Atmospheric Water Capture." David E. Reisner, T. Pradeep (Eds.). 2014. *Aquananotechnology: Global Prospects*. CRC Press, Boca Raton. (principal investigator)
- 2011 "Venilale Community Center." Competition entry in: David Greenberg and Robert Hendrickson (Eds.). 2011. *Bamboo Architecture in Competition and Exhibition*. Ronore Enterprises, Hawaii. Book adapted from previous publication, *Visionary Bamboo Designs for Ecological Living*. (designer with graphics support from Brian Gerich)
- "Central Chemical Farm." Student project in: Daniel Bluestone. 2011. *Buildings, Landscapes, and Memory: Case Studies in Historic Preservation*. W.W. Norton and Co., New York. Text adapted from previous publication "Toxic Sites as Places of Culture and Memory Adaptive Management for Citizenship." (student designer)
- 2010 "Ben Spencer, Venilale Meeting Hall, Baucau, East Timor." Case study in: Geoffrey Makstutis. 2010. *Architecture: An Introduction*. Laurence King Publishers, London. (designer)
- 2009 "Trojan Goat." and "Solar Luminaire." student projects in: Jacabo Krauel (Ed.). 2009.

- Sustainable Homes*. Links International, Barcelona. (student/co-designer/builder with UVa Solar Decathlon team)
- 2008 “Core.” 99K House Competition winning project in: Nonya Granader. 2008. *99k House Competition*. RDA/AIA, Houston. (co-designer with Hybrid/ORa)
- 2007 “Central Chemical Farm.” Student project in book chapter: Daniel Bluestone. “Toxic Sites as Places of Culture and Memory Adaptive Management for Citizenship,” in Gregg P. Macey and Jonathan Z. Cannon (Eds.). 2007. *Reclaiming the Land; Rethinking Superfund Institutions, Methods and Practices*. Springer, New York. (student designer)
- “Venilale Community Center.” Competition entry in: Shyam Paudel, David Greenberg and Robert Henrickson. 2007. *Visionary Bamboo Designs for Ecological Living*. INBAR, Blue Moon Foundation, IFAD, Beijing. (designer with graphics support from Brian Gerich)
- 2006 “Trojan Goat.” and “Solar Luminaire.” Student projects in: John Quale. 2006. *Trojan Goat: A Self Sufficient House*. University Press of Virginia, Charlottesville. (student/co-designer/builder with UVa Solar Decathlon team)
- 2005 “Wearhouse.” Home House Project Competition design in: Steve Badanes, David J. Brown, Ben Nicholson, and Michael Sorkin. 2005. *Home House Project, The Future of Affordable Housing*. The MIT Press, Boston, Mass. (co-designer with Brian Gerich)

Selected References in Press

- 2017 “The Fog Catchers” *New York Times. Daily 360*. March 3, 2017. 360 degree video of the Fog Water Farms project
- 2017 “Lima’s Health Gardens: Informal Urban Communities Initiative” *BBC Health Check*. February 15, 2017. Radio broadcast on the Fog Water Farms project.
- 2016 “A Seat in the Street” Timothy Schuler. *Landscape Architecture Magazine*. December 2016, Vol. 106.No. 12. 21-22. Article on the Informal Urban Communities Initiative Pocket Street | Park project.
- 2016 “Pocket Street | Park project” *TV3, Phnom Penh Cambodia*. May 13, 2016. Television broadcast of the opening of the Informal Urban Communities Initiative Pocket Street | Park project.
- 2015 “In the Midst of Drought, Why Not Harvest Water from the Air?” *All Things Considered*, National Public Radio. May 11, 2015. Radio interview on fog collection as a potential water resource in California.
- 2014 “ASLA Student Awards, Student Collaboration Honor Award, Gardens Green Space and Health in Eliseo Collazos, Lima, Peru.” *Landscape Architecture Magazine*, October 2014, Vol 104. No 10. 84. Magazine article on the Gardens Green Space and Health project as an ASLA award winner.

“Project Seeds Future of Desolate Peru Community.” Bobbi Nodell. *UW Today*. March 31, 2014. Article on IUCI, Gardens Green Space and Health Project.

“SEED Award winners for Excellence in Public Interest Design.” Bustler.net. Feb 1st, 2014. Online article announcing Comunidad Ecologica Saludable as a 2014 SEED Award winner.

“Know a Great Place?” The Dirt, ASLA. Jared Green. January 16, 2014. Online article referring to Escuela Ecologica Saludable as an innovative research project that won the 2012 EDRA Award.

“SEED Award winners for Excellence in Public Interest Design.” Justine Tetado, Archinect News. Jan 31, 2014. Online article announcing Comunidad Ecologica Saludable as a 2014 SEED Award winner.

“2014 SEED Award Winners Announced.” Public Interest Design.org. January 23rd, 2014. Online article announcing Comunidad Ecologica Saludable as a 2014 SEED Award winner.

2013 “Six Projects Selected as Public Interest Design Global Award Winners.” Rory Stott. Arch Daily. Dec. 20th, 2013. Online article announcing of Comunidad Ecologica Saludable as a 2014 PID Global winner.

“Stanford University Wins ASCE Sustainable Development Award at EPA Competition.” Doug Scott. *ASCE News*. April 22, 2013. Article announcing that the University of Washington’s “SQWater: Fog Collection” project received the 2nd Place ASCE Sustainable Development Award.

“UW project seeks to harvest fog for irrigation.” Sandi Doughton. *Seattle Times*. March 15, 2013. Front page article on the SQWater: Fog Collection project.

“UW students create, harvest fog in campus “hoop house.” Sandra Hines. *UW Today*. March 18, 2013. Article on the SQWater: Fog Collection project.

“UW team harvests fog for national competition.” *UW Daily*. Amy Busch. April 4th, 2013. Article on the SQWater: Fog Collection project.

2012 “ASLA Student Awards, Community Service Honor Award, Escuela Ecologica Saludable Initiative.” *Landscape Architecture Magazine*, September 2012, Vol 102. No 9. 86. Magazine article on the Escuela Ecologica Saludable: Parque Primaria Pitagoras Project as an ASLA award winner.

“The Latest SEEDoc: Escuela Ecológica in Lima, Peru.” Vanessa Quirk. Arch Daily. Oct. 25th, 2012. Online article announcing the release of a documentary film on the “Escuela Ecologica Saludable: Parque Primaria Pitagoras” project.

“Two projects in the Department of Landscape Architecture win national awards.” Catherine ODonell. *UW Today*. June 20, 2012. Article announcing Escuela Ecologica

Saludable: Parque Primaria Pitagoras' receipt of the 2012 EDRA Great Places Design Award.

"SFI12: Design is Relational." Daily Design Idea. Gisela Garrett. April 8th 2012. Blog providing an overview of the presentation of Escuela Ecologica Saludable at the SFI12 conference.

"A Peruvian slum gets a massive green makeover." Jeff Hodson. *UW Today*. February 13th, 2012. Article on the "Escuela Ecologica Saludable: Parque Primaria Pitagoras project.

2010 "Tackling new terrain: climate change and global health." Emily Lee. *UW Today*. December 8th, 2010. Article on the Global Health and Environment Fellows.

"Big turn-out for launch of global health collaboration in Latin America." Leila Gray. *UW Today*. November 30th, 2010. Article discussing 2010 activities in Lomas de Zapallal.

"UW team brings rooftop garden to campus greenhouse." Erin Flemming. *UW Daily*. April 19th, 2010. Article on the green roof constructed at the UW botany greenhouse as part of the Puget Sound Green Roof Study and Demonstration Project.

"Bringing creativity to the banal: Students create benches tailored to their campus sites." Catherine O'Donell. *UW Today*. January 7, 2010. Article on the benches students designed and built during the LARC 332 Materials, Making Landscape Architecture class.

2009 "Designer Profile, Ben Spencer." Julia Levitt. *Forum Magazine*. AIA Seattle, Vol. 1, No. 3, Winter, 2008/09. Article discussing work in East Timor as a Peace Corps Volunteer and AWB-Seattle projects.

2008 "The \$99,000 Question, Can an Ecosensitive House be Affordable?" Lisa Gray. *Houston Chronicle*. September 2, 2008. Article on Hybrid/ORAs' winning submission to the 99K House Competition.

"Green Design on a Dime in Seattle?" Shawna Gamache. *Seattle Daily Journal of Commerce*. April 28, 2008. Article on Hybrid/ORAs' winning submission to the 99K House Competition

2007 "Affordable Housing May Come Factory Built." Aubrey Cohen. *Seattle Post-intelligencer*, October 11, 2007. Article on Hybrid's InHabitat project.

"Web 2.0 Goes to Work." Jesse Scanlon. BusinessWeek.com, July 9, 2007. Article on the Open Architecture Network website featuring Venilale projects.

2002 "Scatterings: Students Shed Light on Solar Based Living" Kim Douglas. *Optics and Photonics News*. Vol 13 No 12, December 2002. Article on the Solar Luminaire developed in collaboration with Oak Ridge National Laboratories as part of the 2002 Solar Decathlon.

Selected Design | Construction Projects

- 2013 **Kennebago Cabin.** Kennebago Lake, Maine. Design and construction administration to convert an open wood shed into a winterized cabin. (designer)
- 2008-2009 **99K House.** Houston, TX. Hybrid Architecture and ORA. Low cost sustainable single family house in Houston, TX, constructed based on 99k House Competition winning design. (co-designer)
- 2007-2008 **Remington Court Townhouses.** Seattle. Hybrid Architecture . Four unit sustainable townhouse development in south Capital Hill neighborhood. (co-designer and construction administrator during initial construction phases)
- InHabitat Prefab.** Seattle. Hybrid Architecture and Mithun Architects . Prefabricated modular affordable urban housing prototype. (co-designer)
- 3n2 Mod.** Seattle. unbuilt. Hybrid Architecture and Mithun Architects. Four story modularly constructed apartment project in Seattle, WA. (co-designer)
- Landry Townhomes.** Seattle. Hybrid Architecture. unbuilt. Seven unit townhouse project using cost competitive pre-engineered steel framed construction. (co-designer)
- 2005-2006 **Venilale Women’s Center.** Venilale, East Timor. unbuilt. Peace Corps East Timor. Headquarters for the Venilale Women’s Association with bamboo roof structure and hybrid cookstove/earth-cooled pantry. (designer/community development volunteer) Project tabled due to civil unrest.
- Venilale Meeting Hall/Community Center.** Venilale, East Timor. Peace Corps East Timor. Subdistrict meeting hall originally designed with preserved bamboo timber. (designer/community development volunteer) Construction delayed, budget reduced and design modified due to civil unrest.
- Centru Au Vicoza.** Venilale, East Timor. partially built. Peace Corps East Timor. Bamboo preservation facility. (designer/community development volunteer) Construction underway, then tabled due to civil unrest.
- Residencia Vicoza.** Venilale, East Timor. unbuilt. Peace Corps East Timor in collaboration with Dalan Engineering. Renovation of an historic Portuguese residence as an eco-tourism headquarters, guesthouse and productive garden. (designer/community development volunteer) Construction imminent, then tabled due to civil unrest.
- Venilale Masterplan.** Venilale, East Timor. Peace Corps East Timor. Regional master plan aimed at spurring economic growth, improving health and revitalizing ecosystems developed in collaboration with the Venilale sub-district administration, village chiefs and community representatives. (designer/community development volunteer)

- 2004 **Paralign Shading System.** Design and prototype fabrication of new category of window blinds that allows user to manipulate the penetration of light and view through the window as independent variables. (inventor)
- 2003 **Sarah Heinz House Boys and Girls Club.** Pittsburg, PA. William McDonough and Partners in collaboration with SiteWorks Studio. Conceptual design of building addition and landscape at the Sara Heinz House Boys and Girls Club. (intern designer)
- 2002 **Atlanta International Museum Exhibition.** Atlanta, GA. William McDonough and Partners. Graphic design for an exhibition of William McDonough and Partners work. (intern designer)
- Trojan Goat.** Washington, D.C., Charlottesville, VA. UVa Solar Decathlon Team Sustainable house designed and constructed for the 2002 Department of Energy Solar Decathlon. (student/co-designer/builder/team member)
- Solar Luminaire.** Washington, D.C., Charlottesville, VA. Lighting system that utilizes a parabolic mirror that tracks the sun and channels sunlight through fiber-optic cables to light interior spaces developed in collaboration with Oak Ridge National Laboratories for the 2002 Solar Decathlon. (student/co-designer/fabricator)
- 2001 **Design for Disassembly Rebar Structural System.** Austin, TX. The Center for Maximum Potential Building Systems. Kit of parts rebar structural system that is easily disassembled and adapted to new uses. (inventor/intern designer)
- 1998-1999 **Pacifica Inn.** Seattle. Renovation Contractors. Conversion of an historic residence in Seattle into a bed and breakfast. (construction project manager)
- Olympus Hotel.** Tacoma, WA. Renovation Contractors. Renovation of an historic hotel in downtown Tacoma. (assistant construction project manager)
- 1997-1998 **Petworth Metro Station.** Washington, D.C. Clark Construction. Construction of an I.M. Pei designed Washington D.C. Metro (subway) station. Work involving interior station platforms, entry stairs and exterior grading, sidewalks and streets. (field engineer/surveyor)

Patents | Patent Applications

- 2013 **Fog Collection and Irrigation System.** Provisional Patent Application No. 61/765,569. Application date: February 15, 2013. (co-inventor)
- 2005 **Layered Blinds.** United States Patent No. US 7,537,041 B2, Application date: November 18, 2005. Issue date: May 26th, 2009. Continuation issue date: May 13, 2014 (inventor)
- 2004 **Layered Blinds.** Provisional Patent Application No. 60/637,247. Application date: November 24, 2004. (inventor)
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4. TEACHING

Teaching Assignments (2013-2017)

Quarter	Course #	Title	Credits	Role
Autumn	441	Digital Media II	3.0	Primary Instructor
	332	Materials, Making, LA	3.0 (prev. 4.0)	Primary Instructor
Winter	502	Design Activism Studio	6.0	Primary Instructor
	433	Design Implementation	3.0 (prev. 6.0)	Instructor/Advisor
	440	Digital Media I	3.0	Oversee Content/TA
Spring	702A	MLA Capstone I	6.0	Primary Instructor
	503	McKinley Futures	6.0	Co-instructor
	503/495	DA Cambodia	12.0	Primary Instructor
	702B	MLA Capstone II	6.0	Primary Instructor
Pre-Autumn	N/A	Digital Pre-orientation	0.0	Advisor on Content

Courses Taught

Digital Media

Digital Orientation (0). Pre-Autumn 2012-2015, 2017. Digital orientation for incoming students introducing basics of file management, digital graphics and 3D modeling. Course content updated on a yearly basis. (advisor on course content)

LARC 440 - Digital Media I (3). Winter 2009-2015. Landscape computing class with an emphasis on digital graphics CAD drafting and 3D modeling. Course content updated on a yearly basis and significantly altered in 2013 to reflect emerging trends in digital media and changes in the digital curriculum as a whole. (primary instructor, 2010), (instructor, much of course taught by a teaching assistant 2009, 2011-2012) (coordination / advisor to lecturers or teaching assistants, 2013-2015, 2017).

LARC 441 - Digital Media II (3). Autumn 2008-2015, 2017-2018. Computing class focusing on advanced computer applications in Landscape Architecture including 3D solids modeling, digital terrain modeling, parametric modeling, digital fabrication, animation and environmental analysis. Course content and/or software updated on a yearly basis and significantly altered in 4 of the 7 years taught in response to professional/faculty/student feedback, emerging trends in digital media and changes in the digital curriculum as a whole. (instructor)

Construction

LARC 331 - Site Grading and Drainage (4). Spring 2009. Core class in site engineering integrating the design and technical aspects of grading and drainage. (co-instructor with Luanne Smith).

LARC 332 - Materials, Making, Landscape Architecture (3). Autumn 2008-2010, 2012-2015, 2017-2018. Core materials class focusing on hands-on making, material

assemblies and the environmental and social ethics of material selection, construction and use. Course content and/or assignments regularly updated in response to changes in co-instructors, class size and credits and so as to optimize the balance of lecture, site and shop-based learning. Autumn (co-instructor with Daniel Winterbottom, 2008-2009, 4 credits) (co-instructor with Kimo Griggs, 2010, 4 credits), (instructor, 2012, 4 credits), (instructor, 2013-2015, 2017-2018, 3 credits).

LARC 433 - Design Implementation (3). Spring 2011, 2013, winter 2014. Class focusing on large scale landscape construction processes and construction documentation including drawings and specifications. Course content and/or assignments updated each year taught and significantly altered in 2014 to accommodate change to 3 credits. (co-instructor with Julie Parrett, 2011, 2013, 6 credits), (instructor, 2014, 3 credits)

Design Studio

LARC 302 - Site Design in the Urban Context (6). Winter 2009. First year design studio with emphasis on urban systems, model building and design process. (co-instructor with Luanne Smith).

LARC 502/503 - Design Activism Studio (6). Winter 2011-2015. Studio based in Lomas de Zapallal, an urban slum in Lima, Peru introducing students to the challenges of urbanization in developing countries and design in developing urban contexts. Course content updated on a yearly basis to address different sites and themes and significantly altered in 2013 and 2015 to accommodate the EPA P3 and Environmental Innovation Challenge Competitions. (instructor)

LARC 503/ARCH 504 – McKinley Futures Studio (6). Spring 2015. Interdisciplinary Studio focusing on projective design that responds to climate change impacts and human migration in sister sites on the LA River/Los Angeles Port and Seattle's Interbay neighborhood (co-instructor with Dave Miller)

BE 598 - BE Lab - Constructed Frontiers (6). Spring 2010. Interdisciplinary BE Lab studio exploring the intersection of ecology, industry, environmental justice and the remediation of the Duwamish Waterway Superfund site. (co-instructor with Brian Gerich and Susan Jones)

LARC 702A/B – MLA Capstone Studio (12). Winter/Spring 2017-2018. 2018 Capstone Studio located in Kathmandu and Seattle, focusing on community driven design in the urban slum, Hyumat, Kathmandu. 2017 Capstone studio focusing on the intersection of Landscape Architecture, Urban Agriculture and Making in collaboration with Seattle Tilth at Rainier Beach Urban Farm and Wetlands.

On-Site Service Learning

LARC 495/ ESRM 489 - International Exploration Seminars, Summer, Early Fall and Spring Session Study Abroad Programs and Independent Study in Lima, Peru, Phnom Penh, Cambodia and Kathmandu, Nepal (5-15). Summer/Early Autumn/Spring 2010-

2018. On-site service learning, design/build program to explore the links between environment, health, poverty and urbanization and undertake modest design interventions in collaboration with community members in Lomas de Zapallal, Lima, Peru, Pongro Senchey, Phnom Penh Cambodia and Hyumat, Kathmandu Nepal. Course content altered on a yearly basis based on project site and community priorities and constraints. (co-instructor in Peru with Susan Bolton, Robert Limanek in Cambodia and David Citrin, Laure Heland, Brian Gerich and Sabin Niglekhu in Nepal)

Seminars

LARC 498 - Fog Collection Seminar I (2). Autumn 2012. Interdisciplinary seminar focused on researching fog collection systems and prototypes. (instructor, with some support from Susan Bolton)

LARC 598/BSE 490 - Fog Collection Seminar II (3). Winter 2013. Interdisciplinary seminar focused on the development and construction of fog collection systems and prototypes. Taught in conjunction with the 2013 Design Activism Studio. (co-instructor with Susan Bolton and Shara Feld).

LARC 598 - Living Machines (3). Fall 2009. Class exploring water issues in the Pacific NW constructed wetlands and living machine technology. (supportive role with co-instructors Ken Yocom and Dean Heerwagen)

Thesis Committees

- 2018 Perception + Precision: An Exploratory Process-Towards Generative Site Analysis. Jack Alderman, MLA (committee member)
- Reverberating Systems: Shifting the Framework of an Alpine Mosaic, Gina Christofonelli, MLA and Margot Chalmers, MLA. (committee chair)
- 2017 "Abandoned: Vacant Public Land, Environmental Justice, and Temporary Solutions in South Park" Marta Olson, MLA
- "Tactile MapTile: Working Towards Inclusive Cartography" Jess Hamilton, MLA (committee member)
- 2016 "The Power of Participation: Defining Success for a community build in Pongro Senchey, an urban poor settlement in Phnom Penh Cambodia" Grayson Morris, MLA (committee chair)
- "Exploring Relationships between Vector-Bone Diseases and Landscape Architecture: Aedes spp. and Landscape Architecture" Coco Alarcon, MLA (committee chair)
- 2015 "Rootbound: Exploring Value and Production in Seattle's Urban Forest." Scott Boetjer, MLA (committee chair)
- "Fresh Hill Behind: Designing Activities Through Learning Food." Hiroki Baba,

MLA (committee member)

“Urban Living Room: Transit Station Plaza Design for the Homeless.” Nikky Zhang, MLA (committee member)

“Augmenting Social and Spatial Cognition: Integrative Analysis Processes for San Francisco’s Bayview District.” Erik Murillo, MLA, MUP. (committee chair)

2014 “Oasis of Resilience: Healing and Empowering Syrian Children in Za’atari refugee camp.” Malda Takiedienne, MLA. (committee member)

2013 “Landscape of Experimentation: Pioneering and Succession on Harbor Island.” Taj Hanson, MLA. (committee chair)

“Designing for Gender Equality in the Developing Context: Developing a Gender-Integrated Design Process to Support Designers’ Seeing, Process and Space Making.” Ginger Daniels, MLA. (committee member)

“The Benefits of Backyard Gardening in Lomas de Zapallal.” (DGH Capstone). Leanne Andrews, MLA/Certificate in Global Health. (committee chair)

“Design Tools for Water Security in the Indian Himalayas.” Delia Lacson, MLA. (committee chair)

2012 “Reinventing the Space in Between: Urban Lilong Community Design in North Sichuan Road, Shanghai.” Tianwen Zhou, MLA. (committee member)

2011 “Open-source Landscape: Translating Alleys into Information Syntax in the Urban Environment.” Jennifer Kempson, MLA. (committee chair)

“From the Ground Up: The On-going Investigation of a Seattle Green Roof.” David Bramer, MLA. (committee member)

“Reclaiming Stormwater, Transforming Waterfronts.” Leslie Batten, MLA. (committee member)

2010 “Facilitating Flux: Landscape as Coastal Infrastructure.” Victoria Halligan, MLA. (committee member)

“Urban Interchange: Exploring the Landscape Void.” Roen Hohlfeld, MLA. (committee member)

“Whole System Design for the Old Rainer Brewery Turned Artist Community: Cultivating Food, Culture, and Community through a Re-design of the Rooftop Network.” Selina Hunstiger, MLA. (committee member)

“Armature Urbanism: Trail Design in the Contours of Metropolitan Infrastructure.”
Heide Martin, MLA. (committee member)

2009 “Rising Above the Valley: A Portrait of Possibilities for Productive Urban Landscapes on the Rooftops of Guanajuato, Mexico.” Riisa Conklin, MLA. (committee member)

“(Re)constructing the Orphanage Landscape: An Ecological Design Framework for Shalom Children’s Home in Southern India,” Szu Yu Huang, MLA. (committee chair)

“Sustainable Design in Cold Climates: Re-designing the Pedestrian Street with Sustainable Solutions” Merit Lesta. MLA. (committee member)

Dissertation Committees

2014-2015 “Health Impact Assessment in the Duwamish Watershed.” Jonathan Childers, Ph.D. Program in Built Environments. (committee member)

2012-2014 “Multi-disciplinary approach to Address Water Scarcity in Informal Settlements in Lima, Peru: Fog Water Collection, The Fog Resource and the Health Context.” Shara Feld, Ph.D. Program in Civil and Environmental Engineering. (committee member)

“Neighborhood Networks and Their Linked Social Environments; A Case Study in Lake City (Seattle), Washington.” Amber Trout, Ph.D. Program in Built Environments. (committee member)

National and International Awards for Teaching

2014 **CELA Award of Excellence in Service Learning, Junior Level.** Council of Educators in Landscape Architecture, International, 0-1 awards annually. For career achievement in service learning education amongst faculty with 3-10 years of teaching experience.

National and International Awards for Student Work

2017 **National ASLA Student Communications Design Honor Award.** American Society of Landscape Architects. National, 0-1 Award of Excellence and 2 Honor awards annually. For Tactile MapTile: Working towards Inclusive Cartography’. Jess Hamilton. (thesis advisor)

2017 **National Olmsted Scholar.** Landscape Architecture Foundation. National, 1 Olmsted Scholar annually. David De la Cruz. (Instructor during IUCI study abroad programs in Lima, Peru and Phnom Penh, Cambodia, co-author of faculty support letter)

2016 **National ASLA Student Residential Design Award of Excellence.** American Society of Landscape Architects. National, 0-1 Award of Excellence and 2-3 Honor awards

annually, a total of 21 ASLA student awards selected from over 500 entries from 77 schools. For Residential Gardens as a Health Strategy in Impoverished Communities in Developing Countries: A Case Study in Iquitos, Peru. Jorge Alarcon. (thesis chair)

2016 **National Olmsted Scholar Finalist.** Landscape Architecture Foundation. National, 1 Olmsted Scholar and 3 finalists annually. Jorge Alarcon. (IUCI collaborator, instructor for LARC 503 McKinley Futures Studio, teaching supervisor for LARC 433 Design Implementation, thesis chair, co-author of faculty support letter)

2014 **National ASLA Student Collaboration Honor Award.** American Society of Landscape Architects. National, 0-1 Award of Excellence and 2-3 Honor awards annually, a total of 21 ASLA student awards selected from over 500 entries from 77 schools. For Gardens Green Space and Health. Brooke Alford, Leanne Andrews, Shara Feld, Gayna Nakajo, Rehka Ravindran, Francisca Salazar (students), Ben Spencer (primary faculty advisor), Susan Bolton (faculty advisor), Joachim Voss (faculty advisor), Jorge Alarcon (on-site coordinator).

National Olmsted Scholar Finalist. Landscape Architecture Foundation. National, 1 Olmsted Scholar and 3 finalists annually. Vera-Eve Giampietro. (critical faculty advisor, instructor for LARC 503 Design Activism Studio and EPA P3 Competition in 2013, teaching supervisor for LARC 440 Digital Media I in 2012 and 2014, principal author of faculty support letter)

The Best 25 Submissions. IFLA International Student Landscape Architecture Design Competition. International, more than 400 submissions. For Operative Interventions in Eliseo Collazos. LARC 502 Studio. Guanyi Gao. (instructor and competition advisor)

2013 **EPA P3 Student Choice Award.** US Environmental Protection Agency. National, 1 award annually. For SQWater: Fog Collection. Voted best project at the 2013 National Sustainable Design Exposition by students on EPA P3 Competition finalist teams. Peter Cromwell, Vera Giampietro, Shara Feld, Gayna Nakajo, students participating in the 2012 Exploration Seminar, the 2012 and 2013 Fog Collection Seminars and the 2013 Design Activism Studio, Ben Spencer (primary faculty advisor), Susan Bolton (faculty advisor)

National Olmsted Scholar. Landscape Architecture Foundation. National, 1 award annually. Considered the highest honor a landscape architecture student can receive in the United States. Leanne Andrews. \$25,000 prize. (critical faculty advisor, instructor for LARC 503 Design Activism Studio and LARC 495 Exploration Seminar in 2011 and LARC 498 Fog Collection Seminar I in 2012, chair of Global Health capstone project, made significant contributions to faculty support letter)

2012 **National ASLA Student Community Service Honor Award.** American Society of Landscape Architects. National, typically 0-1 Award of Excellence and 2 Honor awards annually. For Escuela Ecologica Saludable: Parque Primaria Pitagoras. Jonathan Jue, Leanne Andrews, Dan Shaw (students), Ben Spencer (primary faculty advisor), Susan Bolton (faculty advisor), Jorge Alarcon (on-site coordinator)

National Olmsted Scholar Finalist. Landscape Architecture Foundation. National, 1 Olmsted Scholar and 3 finalists annually. Tera Hatfield. (critical faculty advisor, instructor for LARC 440 Digital Media I, LARC 441 Digital Media II and LARC 332 Materials, Making Landscape Architecture in 2011 and LARC 503 Design Activism Studio in 2012, contributed to faculty support letter)

2011 **Waterfront Center Annual Honor Awards, Student Award.** Waterfront Center. For MLA Thesis. Reclaiming Stormwater/Transforming Waterfronts. Leslie Batten, MLA (committee member)

Regional Awards for Student Work

2015 **Alaska Airlines Environmental Innovation Challenge Finalist.** Alaska Airlines. Pacific Northwest, 22 finalists selected annually from Universities in the Pacific Northwest. For Geopop CSS geocell product and business plan. Students participating in the 2015 LARC 502 Design activism Studio (students), Ben Spencer (faculty advisor)

2014 **American Society of Landscape Architects, Washington Chapter (WASLA) Honor Award.** Urban See Saw. LARC 332. Aimee Rozier and Connor McGarry, BLA. (instructor)

WASLA Honor Award. Composted Landscapes. LARC 502 Studio. Patrick Pirtle, Yuhan Yang, MLA. (instructor)

WASLA Merit Award. [Retain] Space. LARC 502 Studio. Hiroki Baba, Thanakorn Wongphadungtham, Mahshid Gharibimarzanola, MLA. (instructor)

WASLA Special Mention. Sidewalk Spirograph. LARC 332. Ali Masterson, James Day, BLA. (instructor)

WASLA Special Mention. Oasis of Resilience, Healing and Empowering Syrian Children. MLA Thesis. Malda Takieddine, MLA. (committee member)

2013 **WASLA Honor Award.** SQWater: Fog Collection, Site Design. LARC 503. Brooke Alford, Betsy Anderson, Erica Bush, VeraEve Giampietro, Jordan Lewis, Yu-Ting Lin, and Philip Syvertsen, MLA. (instructor)

WASLA Merit Award. SQWater: Fog Collection System and Prototypes. LARC 503. Brooke Alford, Betsy Anderson, Leann Andrews et. al., MLA. (instructor)

WASLA Merit Award. Design Tools for Water Security in the Indian Himalayas. MLA Thesis. Delia Lacson, MLA. (committee chair)

WASLA Merit Award. Landscape of Experimentation: Pioneering and Succession on Harbor Island. MLA Thesis. Taj Hanson, MLA. (committee chair)

2011 **WASLA Honor Award.** Metabolic Infrastructure – Creating the Framework to grow, maintain and respond to the environment – Duwamish River, Seattle, WA. BE 598 BE Lab Studio. Jenny Kempson, MLA and Weilan Zhang, MArch. (co-instructor)

WASLA Honor Award. Constructed Frontiers, Duwamish River, South Park Bridge, Seattle, WA. BE 598 BE Lab Studio. Breanne Gearhart, MLA and Betsy Jacobson, MUP. (co-instructor)

WASLA Merit Award. Opensource Landscape - Alleys as Information Syntax. MLA Thesis. Jenny Kempson, MLA. (committee chair)

WASLA Merit Award. Modular Landscapes Eliseo Collazos. LARC 503. Jordan Bell, Easton Branham, Tera Hatfield, and Delia Lacson, MLA. (instructor)

2010 **WASLA Merit Award.** Front Porch Swing for Terry Hall. LARC 332. Lori Tang, Kristi Park, Brian Monwai, MLA. (co-instructor)

2009 **WASLA Honor Award.** Sounding Board: Starting the Conversation on Transit. LARC 302. Jenny Kempson, MLA. (co-instructor)

WASLA Merit Award. Site Design in Urban Context. LARC 302. Jimmy Mounivong, BLA. (co-instructor)

WASLA Merit Award. Model of Lit Stair Bench. LARC 332. Heide Martin, MLA. (co-instructor)

Invited Lectures | Presentations at the University of Washington

2017 *Invited presenter.* "The Informal Urban Communities Initiative: The Roles of Facilitators and Community Members" University of Washington CBE Design Activist Collective Seminar Sponsor: Brian MacClaren, Chair of Architecture Department, April 11, 2017.

2015 *Guest lecturer.* "Gardens Green Space and Health." GH571. Essentials of Clinical Care and Capacity Building in Low Income Countries Seminar. Sponsor: Joe Zunt, Associate Professor, Global Health. Winter, 2015.

2014 *Invited panelist.* "Connections in Progress." BE Connected Symposium. Sponsor: BE PhD Program. Spring 2014.

Guest lecturer. ENGR 202. "The Informal Urban Communities Initiative." Engineering and Social Justice Seminar. Sponsor: Dean Chahim, Lecturer. Engineering. Winter, 2014.

Guest lecturer. "Comunidad Ecologica Saludable." GH571. Essentials of Clinical Care and Capacity Building in Low Income Countries Seminar. Sponsor: Joe Zunt, Associate Professor of Global Health. Winter, 2014.

2013 *Guest lecturer.* "Gardens Green Space and Health." LARC 590. Capstone Seminar. Sponsor: Jeff Hou, Associate Professor, Landscape Architecture. Autumn, 2013.

Guest lecturer. "SQWater." GH500. Global Health Seminar. Sponsor: Sarah Gimbell-Sherr, Assistant Professor, Global Health. Spring, 2013.

Guest lecturer. "Escalera Secundaria Pitagoras." GH571. Essentials of Clinical Care and Capacity Building in Low Income Countries Seminar Sponsor: Joe Zunt, Associate Professor of Global Health. Winter, 2013.

2012 *Invited presenter.* "Working Without Borders." Incoming CBE Student Orientation. Sponsor: Abigail Crossen, Assistant Dean for College Affairs, College of Built Environments. Autumn, 2012.

Guest lecturer. "Escuela Ecologica Saludable." LARC 598. City and Social Justice Seminar. Sponsor: Lynne Manzo, Associate Professor, Landscape Architecture. Spring 2012.

Guest lecturer. "Atmospheric Water." ESRM 429. Water Seminar. Sponsor: Susan Bolton, Professor, Environmental and Forest Sciences. Spring, 2012.

Guest lecturer. "Atmospheric Water." ENGR 380. Design for Sustainability in the Developing World Seminar Sponsor: Susan Bolton, Professor, Environmental and Forest Sciences. Spring, 2012.

Guest lecturer. "Escuela Ecologica Saludable." LARC 212. Designing the Future Seminar. Sponsor: Iain Robertson, Associate Professor, Landscape Architecture. Spring, 2012.

Guest lecturer. "Escuela Ecologica Saludable." GH571. Essentials of Clinical Care and Capacity Building in Low Income Countries Seminar Sponsor: Joe Zunt, Associate Professor, Global Health. Winter, 2012.

2011 *Guest lecturer.* "Ventarron Master Plan." LARC 212. Designing the Future Seminar. Sponsor: Iain Robertson and Julie Johnson, Associate Professors, Landscape Architecture. Spring, 2011.

Guest lecturer. "Slum Materials." ARCH 498. Traditional Building Methods, New Adaptations Seminar. Sponsor: Elizabeth Golden, Assistant Professor, Architecture. Spring, 2011.

Guest lecturer. "Case Studies in Urban Slum Technology." GH571. Essentials of Clinical Care and Capacity Building in Low Income Countries Seminar. Sponsor: Joe Zunt, Associate Professor, Global Health. Winter, 2011.

2010 *Guest lecturer.* "Urban/Rural" ESRM 304. Environmental and Resource Assessment Seminar. Sponsor: Susan Bolton, Professor, Environmental and Forest Science. Autumn, 2010.

Guest lecturer. "ARCH-LARC, Why? II." ARCH 591. Architecture in the Landscape Seminar. Sponsor: Thaisa Way, Assistant Professor, Landscape Architecture. Spring, 2010.

Guest lecturer. "Bamboo." ARCH 498. Traditional Building Methods, New Adaptations Seminar. Sponsor: Elizabeth Golden, Lecturer, Architecture. Spring, 2010.

Guest lecturer. "Think Virally/Bottom Up/Top Down." GH571. Essentials of Clinical Care and Capacity Building in Low Income Countries Seminar. Sponsor: Joe Zunt, Associate Professor, Global Health. Winter, 2010.

2009 *Guest lecturer. "Tips for the Budding Design Activist." URBDP 598J. Sichuan BE Lab Seminar. Sponsor: Dan Abramson, Associate Professor, Urban Design and Planning. Spring, 2009.*

Guest lecturer. "ARCH-LARC, Why? I." ARCH 591. Architecture in the Landscape Seminar. Thaisa Way, Assistant Professor, Landscape Architecture. Spring, 2009.

Guest lecturer. "Architects Without Borders." LARC 571. Design Activism Seminar. Sponsor: Jeff Hou, Associate Professor, Landscape Architecture. Winter, 2009.

5. SERVICE

Selected Service | Department | College | University

Department of Landscape Architecture

- 2018 *Committee Member.* Study Abroad Advisory Committee. Contributed to initial discussion of crafting departmental policies related to sponsored study abroad programs
- 2017 *Acting Chair.* Oversaw Landscape Architecture Department administration during six week fall quarter absence of department chair
- 2017 *Faculty Advisor.* Design Justice Seattle. Student group dedicated to public interest Design in Seattle.
- 2016 *Contributor.* MLA Accreditation Self Evaluation Report: Facilities, Equipment and Technology section.
- 2015 *Acting Graduate Program Coordinator.* Oversaw department's MLA program and advised master's students on curricular and administrative issues.
- 2014 *Contributor.* BLA Accreditation Self Evaluation Report: Facilities, Equipment and Technology section.
- 2013-2017 *Reviewer.* Master of Landscape Architecture admissions.
- 2010 *Designer and Fabricator.* MLA accreditation visit faculty publication display case and student work exhibition kiosk.
- 2009 *Committee Member.* Landscape Architecture Department Curriculum Committee.

2008-present *Landscape Architecture Department Representative.* College of Built Environments Fabrication Laboratory and Fabrication Laboratory.

Landscape Architecture Department Representative. College of Built Environments Digital Facilities.

College of Built Environments

2018 *Landscape Architecture Department Representative.* CBE College Council.

2017 - 2018 *Committee Member.* CBE Curriculum Committee. Group tasked with reviewing proposed curricular changes within the CBE

2017 *Committee Member.* CBE Diversity Committee. Group composed of faculty, staff and students focused on promoting diversity with the college.

2011-2015 *Faculty Advisor.* Architects Without Borders-UW Student Chapter. Student group dedicated to public interest design. Group was the recipient of the 2011 Bernhard Endowed Fund, organized the 2012 YouthCare Studio and collaborates intermittently with the AWB-Seattle professional chapter.

2011-2012 *Committee Member.* CBE Ad Hoc Strategic Planning Committee. Interdepartmental committee to develop an actionable set of alternatives to improve the interdepartmental integration of the College of Built Environments.

2010 *Coordinator.* Digital Exchange Workshops. Peer-to-peer digital learning program

University of Washington

2012 *Committee Member.* SPH Strategic Plan 2012-2020, Global Environmental Change and Human Health Work Group. Working group to generate new ideas to grow SPH program in global environmental change and target new faculty hires.

2011 *Principal Organizer.* Next EcoCity Symposium. University of Washington, Emerging Cities Session. Seattle. April 7-8, 2011.

Principal Organizer. Now Urbanism Symposium. University of Washington. Informal Urbanism: Slum Cities and Global Health Session. University of Washington. Seattle. January 13, 2011. (with Joe Zunt and Susan Bolton)

Selected Service | Professional

2017-present *Co-Chair, Service Learning and Community Engagement.* Council of Educators in Landscape Architecture.

2016 *Peer Review.* Review of chapters submitted for publication in Bryan Bell and Lisa Albendroth (Eds.). Public Interest Design Education Guidebook: Curricula, Strategies, and SEED Academic Case Studies.

- 2014 *Session Chair.* Track 08, Paper Session 05. EDRA45, Building With Change New Orleans, LA, May 28-31, 2014.
- 2012 *Juror.* 2012 Virginia Green Innovation Awards. Virginia Sustainable Building Network. June 18, 2012.
- 2010 *Peer Review.* Conference presentation abstracts. Council of Educators in Landscape Architecture and International Study Group on Multiple Uses of Land Conference. Maastricht, Netherlands. March 11-14, 2010.

Selected Service | Public

Regional

- 2007-2015 *Director and President Emeritus (2011-present), President (2009-2011), Vice President (2007-2009).* Architects Without Borders-Seattle (AWB-S). Non-profit based in Seattle with design projects in countries worldwide. AWB-Seattle works in collaboration with underserved communities to design and implement ecologically sensitive interventions in the built environment. Key activities have included co-defining AWB-S mission, co-drafting AWB-S 2009-2012 Strategic Plan, hiring first AWB-S Executive Director, grant writing, project management, chairing monthly meetings, board diversification, project management, fundraising, event organization, presentations and administration.

National

- 2014-present *Director and ARC-Peace Liaison.* Architects, Designers and Planners for Social Responsibility - USA (ADPSR-USA). National non-profit advocating for peace, environmental protection, ecological building, social justice, and healthy communities. ADPSR's publishing arm, New Village Press, specializes in books about urban ecology, community-based arts, environmental and social justice, and citizen-initiated activism. Liaison to ARC-Peace International, 2015 Lewis Mumford Awards chair.

International

- 2018-present *Co-founder.* Traction | Nepal | Seattle | Peru. Organization that works in collaboration with resource limited communities to design and implement projects that leverage local assets and create transformative, grounded change. Traction's landscapes, buildings, products and research initiatives aim to improve human and environmental health and spur social and economic development. Bridging disciplinary boundaries and merging academic, professional and local knowledge, Traction's work catalyzes and cultivates innovative action with substantive impacts.
- 2014-present *Director and ADPSR-USA Liaison.* ARC-Peace, International Architects Designers Planners for Social Responsibility. ARC-Peace is an international non-profit with special consultative status (category II) with the Economic and Social Council of the United

Nations. It has member organizations in 15 countries worldwide. ARC-Peace advocates for non-violent conflict resolution among nations, for the protection of our natural environment and for responsible development of our built environment. Liaison to ADPSR-USA and contribute to ARC-Peace's social media.