

## **KURT TEICHERT**

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### **EDUCATION**

- M.A. ad eundum* 2015 Brown University, Providence, RI
- M.Sc.* 1985 Oregon State University, Corvallis, OR. Agricultural and Resource Economics
- B.A.* 1981 Franklin and Marshall College, Lancaster, PA. Government and Economics

### **RELATED EMPLOYMENT**

- 2014-Present* Senior Lecturer in Environmental Studies, Teaching Fellow, Institute at Brown for Environment and Society, Brown University, Providence, RI
- 2013-2014* Associate Director, Senior Lecturer in Environmental Studies, and Manager of Environmental Stewardship Initiatives, Center for Environmental Studies, Brown University, Providence, RI
- 2007-2013* Lecturer in Environmental Studies and Manager of Environmental Stewardship Initiatives, Brown University, Providence, RI
- Faculty in the Center for Environmental Studies, teaching undergraduate courses on sustainable design and environmental stewardship and advising undergraduate and graduate students. Managing environmental stewardship initiatives in the Brown and surrounding community. Planning, design and construction support for high performance design projects.
- 2008-Present* Critic in Interior Architecture, Rhode Island School of Design, Providence, RI
- Teaching classes on passive and active solar design and environmentally responsible design principles to graduate students in Interior Architecture. Review and critique studio and thesis projects by Interior Architecture, Landscape Architecture, and Architecture students at RISD.
- 2003- 2007* Resource Efficiency Manager, Facilities Management and Adjunct Lecturer in Environmental Studies, Brown University, Providence, RI
- Management of resource efficiency and energy management programs. Oversight of university environmental analysis and planning as Chair of Environmental Task Force. Instruction of undergraduate course on sustainable design and environmental stewardship. Planning, design and construction support for high performance design projects.
- 1992- 2003* Environmental Coordinator, Provost's Office, Brown University, Providence, RI

Identification and research of resource conservation programs on University campus. Coordination of energy and water conservation programs and solid waste management and resource recovery strategies. Instruction of undergraduate courses on resource conservation and environmental stewardship. Design and specifications for environmentally responsible construction. Coordination of campus environmental stewardship initiative

*1989-2007* Environmental Consultant

Consultation on environmentally responsible building design and management programs for institutions and businesses. Planning and development of home, business, and municipal composting and recycling systems.

*1987-1991* Facilities Manager, New Alchemy Institute, Falmouth, MA

Planning and implementation of new construction, renovation and maintenance projects. Course instruction and supervision of internships in undergraduate level environmental education program. Information services on energy efficient construction, ventilation, and heating. Management and consulting on yard waste composting systems. Public education, grant writing and general management of non-profit operations.

*1985-1987* Research Associate, New Alchemy Institute, Falmouth, MA.

Economic analysis of small-scale farm systems. Research and analysis of materials handling and integrated systems for prototype greenhouses as member of interdisciplinary team. Design and construction of energy efficient buildings and ecological landscapes.

*1982-1984* Research and Teaching Assistant, Oregon State University, Corvallis, OR

Assistance with statistics and computer applications for graduate-level econometrics course. Research on local agricultural land use policy.

## TEACHING

*2014-Present* Senior Lecturer, Institute at Brown for Environment and Society, Brown University, Providence, RI

*2005-Present* Instructor in Brown Environmental Leadership Lab and Summer at Brown courses for high school students in School for Professional Studies

*2013-2015* Recipient of the Brown University William G. McLaughlin Award for Teaching Excellence in the Social Sciences 2013-2015

*2013-2014* Senior Lecturer in Environmental Studies, Center for Environmental Studies, Brown University, Providence, RI

*2007-2013* Lecturer in Environmental Studies, Center for Environmental Studies, Brown University, Providence, RI

Faculty appointment in the Center for Environmental Studies to teach and advise undergraduate and graduate students. Brown courses taught are listed below.

ENVS0070c: Transcending Transportation Impacts, 2010-Present, First-Year Seminar limited to 20 students

ENVS0410: Environmental Stewardship, 1992-2012, average 45 students

ENVS1400: Sustainable Design in the Built Environment, 2007-Present, Enrollment limited to 24 students

URBN/ENVS1570: Guts of the City: Interdisciplinary Perspectives on Urban Infrastructure and Environmental Planning, 2013-2014, Enrollment Limited to 48 students

ENVS1970/1971: Independent Study, See AB and ScB Capstones and Theses below

ENVS2980/2981: Reading and Research, See MA Theses below

*2008-Present* Critic in Interior Architecture, Rhode Island School of Design, Providence, RI

Teach and Co-teach classes and seminars on passive and active solar design, adaptive reuse, environmentally responsible design principles, and advanced building systems. Serve as critic in design studios in Interior Architecture Graduate programs.

*2003-2007* Adjunct Lecturer in Environmental Studies, Center for Environmental Studies, Brown University, Providence, RI

Undergraduate course on sustainable design and high performance building strategies. Students learn the rationale, processes and technical aspects of sustainable design, particularly as applied to high performance building design and construction and conduct research and evaluate economically feasible solutions for decreasing the negative environmental impacts of the built environment.

*1992- 2003* Instructor, ES41: Environmental Stewardship, Brown University, Providence, RI

Challenges students to address the economics and logistics of implementing strategies to conserve resources and reduce the environmental impacts of the campus community. Students work in small project groups to identify conservation opportunities, conduct economic analyses, and recommend changes in campus policies and practices. Final results are summarized in a formal report to be presented to the University administration for possible implementation.

*1987-1991* Instructor, New Alchemy Semester, New Alchemy Institute, Falmouth, MA

Classroom instruction to undergraduate students and applied projects on energy conservation, solid waste management, and organic agriculture.

*1982-1984* Teaching Assistant, Oregon State University, Corvallis, OR

Teaching and laboratory support on statistics and computer applications for graduate-level econometrics course.

**BROWN UNIVERSITY SERVICE**

- 1998-Present* First-Year and Sophomore Academic Advisor  
*2015-Present* Brown RISD Dual Degree Program Advisory Committee  
*2011-Present* Brown Environmental Leadership Lab (BELL) Advisory Board  
*2016-Present* Information Technology Advisory Board
- 2017-2018* Longer Term Sustainability Study Committee  
*2017-2018* Arnold Lab Renovation Principals Committee  
*2017-2018* Brown Renewable Energy Committee  
*2015-2018* Brown University Community Council  
*2014-2018* Engaged Scholarship Steering Committee  
*2013-2016* Academic Technology Steering Committee  
*2012-2017* Sustainability Strategic Planning Committee  
*2010-2017* Swearer Center Engaged Scholarship Program Steering Committee  
*2016-2017* TEAM: Team Enhanced Advising and Mentoring  
*2013-2014* Hunter Lab BERT Principals Committee  
*2006-2012* Energy and Environment Advisory Committee  
*2010* Ad Hoc Committee on Bottled Water  
*2006-2012* Brown University Women's Rugby Football Club Assistant Coach  
*2005-2006* Energy Task Force  
*2003-2005* Ad Hoc Transportation Committee  
*2004-2005* Environmental Task Force

**PROFESSIONAL AFFILIATIONS**

- 2015-Present* Member: Board of Directors, Green Energy Consumers Alliance  
*2013-Present* Member: Board of Directors, Recycle-A-Bike  
*2014-2017* Member: Program Planning Committee, Congress for New Urbanism RI Chapter  
*2004-2016* Steering Committee Member: Northeast Campus Sustainability Consortium  
*2004-Present* LEED Accredited Professional, US Green Building Council  
*2014-2016* Member: RI Alliance for Healthy Housing: Data Action Team  
*2013-2014* Co-Chair: Sustainable Providence Energy Working Group  
*2013-2014* Member: Board of Directors, The Greene School  
*2012-2016* Member: Steering Committee and Program Planning Committee, New England Campus Sustainability Forum  
*2011-2014* Member: Sustainability Advisory Board, GreenerU  
*2008-2016* Steering Committee, Northeast Sustainable Energy Association, RI Chapter

1999-2014	Member: Editorial Board, International Journal of Sustainability in Higher Education
2007-2012	Conference Planning Committee, Northeast Sustainable Energy Association Building Energy Conference
2006	Chair: Campus and Institutions Track, Northeast Sustainable Energy Association Building Energy Conference
2003-2006	Member: Advisory Group to the Conference of New England Governors and Eastern Canadian Premiers' (NEG/ECP) College & University Work Group
2003-2006	Member: Performance Measurement Work Group of the EPA Colleges and Universities Sector Strategies Program
2002-2006	Board Member: Rhode Island Renewable Energy Fund
2002	Chair: Commercial and Institutional Buildings Track, Northeast Sustainable Energy Association Building Energy Conference
2001-2006	Member: Rhode Island Greenhouse Gas Process - Buildings and Facilities Work Group
1997-2000	Chair: Curriculum Integration Committee – Steering Committee: College and University Recycling Council of the National Recycling Coalition
1992-1998	Member: Narragansett Bay Commission Citizen's Advisory Committee
1989-1992	Member: Bourne, MA Advisory Committee on Composting and Recycling

#### **CAPSTONE PROJECTS AND THESES SUPPORTED AS PRIMARY ADVISOR**

<i>Mikela Waldman</i>	Analysis of Education Policy and Regulation and Corporate Influence on Environmental Science Curriculum (AB, 2018)
<i>Morgan Gray</i>	Methane Emissions Analysis – Carnegie Endowment (AB, 2018)
<i>Andrew Vann</i>	City Walk Analysis – Providence Department of Planning (AB, 2017)
<i>Julia Foote</i>	Principles of Biophilic Design and Their Application to Brasilia (AB, 2017)
<i>Tathya Abe</i>	Energy Efficiency in Historic Buildings (AB, 2016)
<i>Sophie Purdom</i>	The Theory and Practice of Sustainable Investing (AB, 2016)
<i>Ha Tran</i>	Analysis of Housing Programs in Vietnam (AB, 2016)
<i>Renata Robles</i>	Providence Jewelry District: Future of the Floodplain (AB, 2015)
<i>Jared Rothenberg</i>	Place-Based Environmental Education: A Synthesis (AB, 2015)
<i>Alexandra Peseri</i>	The Green and Healthy Homes Initiative: Improving health outcomes through environmentally sustainable and health-centric interventions in homes across the country (ScB, 2014)
<i>Kensuke Kashiwagi</i>	Canon's Sustainability Initiatives (AB, 2014)

- Marissa Bergman* The Way Forward: Energy Efficiency Building Codes (AB, 2014)
- Benjamin Heller* The Green Hotel Industry: An Archetype for Sustainability Implementation in New York City Public Housing (AB, 2013)
- Jeffrey Izon* Comparative Case Study Analysis of Corporate Social and Environmental Performance (AB, 2013)
- Emily Koo* Transportation Initiatives: City of Providence Office of Sustainability (AB, 2013)
- Loreana Marciante* Transit-Oriented Development in Southeast Seattle: The Possibility Of Transformation (MA, 2013)
- Courtney McCracken* Implications of Project Team Organization for Sustainable Building Construction (MA, 2013)
- Elara Mosquera* Grassroots Efforts to Limit Single-Use Plastic Bag Consumption in Rhode Island (AB, 2013)
- Beth Soucy* Design for Environment Strategies and their Impact on Corporate Profitability (AB, 2013)
- Caitrin Watson* Fashion for Change: Exploring Emerging Initiatives within the Fashion Industry toward Supporting, Shaping, and Spreading Positive Social and Environmental Change (AB, 2013)
- Mary Lesbirel* LEED Post-Occupancy Surveys: Designing A Survey For Maximum Return. (AB, 2012)
- Amelia Aboff* New York City's Mayoral Challenges: Where Do We Go From Here (AB, 2011)
- Emily Alvarez* Block Island Wind Farm and its Potential Effect on Tourism (AB, 2011)
- Michelle Flagg* Strengthening Foundations: The Sustainable Design of a Community Center in Leogane, Haiti (AB, 2011)
- Adam Maynard* Organizing the 2010 Campus Conservation Nationals at Brown University: A Best-Practices Portfolio for Campus Campaign Organizers (AB, 2011)
- Sylvia Stone* Sustainable Sporting Events: A Study of the Australian Tennis Open (AB, 2011)
- Sarah Thomas* Comparing Bicycle Commuter Incentives: An Analysis Of Strategies Aimed At Increasing Bicycle Commuting (MA, 2011)
- Mark Towill* Organizing the 2010 Campus Conservation Nationals at Brown University: A Best-Practices Portfolio for Campus Campaign Organizers (AB, 2011)
- Robert Warner* Sustainable Retrofitting: Addressing Thermal Comfort at 30 Burnside St. (AB, 2011)
- Drew Raines* Development Structures and Driving Patterns (AB, 2010)

- Ross Stackhouse* The Revolution Will Not Be Subsidized: Municipal Policies to Promote Residential Energy Efficiency and Applications in Providence (AB, 2010)
- Yonatan Dolgin* Environmental Assessment of Plug-in Electric Vehicles: Assessing Potential Changes in Rhode Island Emissions (ScB, 2010)
- Elizabeth Delucia* Rhode Island's Proposed Offshore Wind Farm: Recommendations for Long-Term Contracting (AB, 2009)
- Joshua Lehman* Energy Efficiency in Multifamily Affordable Housing: How can precedents of high performance affordable housing inform energy efficient building practices in this sector? (ScB, 2009)
- Ryohei Moriguchi* Implementing Feed-In Tariffs: Lessons from Willingness-to-Pay Studies and Customer Research (AB, 2009)
- Joshua Morrison* Urban Sustainability and Neighborhood Revitalization: The South Providence Public Street Vision and an analysis of Urban Sustainability Improvements as Capital from Community Revitalization (AB, 2009)
- Andrew Posner* Green Microfinance: Advancing Social Equality and Sustainability in the United States (MA, 2009)
- Claire Santoro* On the Rebound? An Econometric Analysis of the Effect of Energy Star Appliances on Residential Energy Consumption (AB, 2009)
- Stephan Wollenburg* Closing the Gap: Promoting Residential Energy Efficiency Investment in Rhode Island (AB, 2009)
- Nathaniel Manning* Potentials for, and Barriers to, Household Demand-side Energy Efficiency Projects in Low-Income Areas under the Clean Development Mechanism, and the Way Forward through Programmatic CDM (MA, 2008)
- Drew Durbin* Batch Composting of Human Excrement with Urban Waste Products (Honors AB, 2008)
- Aaron White* Why Choose Carpeting? What building occupants, managers, and planners should consider when choosing carpeting as a flooring material. (AB, 2008)
- Paris Latham* Water Security for Rhode Island (AB, 2007)
- Christian O'Mara* Rising Energy Costs and The Economics of Solar Hydronic Heating (AB, 2006)
- Eric Gamage* Is Carbon Trading a Desirable Option for Brown? (MA, 2006)
- Allison Silverman* An Investigation into Campus Farming to Develop the Urban Agriculture Plan for Brown University (AB, 2005)
- Molly MacGregor* Better Buildings at Brown: How can Brown University Build Cost-Effective Spaces that Enhance Learning and User Satisfaction while Reducing Adverse Impacts on the Natural Environment? (AB, 2004)
- Byron Elmendorf* An Analysis of the Benefits and Barriers to Combined Heat and Power in Rhode Island (MA, 2003)



- Jonathan Dyer* Rhode Island's Greenhouse Gas Emission Projection Year 2020 (MA, 2002)
- Jeff Klein* Packaging Persuasion: The Incorporation of Social Marketing into Brown University's Recycling Communications (2001)
- Adrienne Gass* Should Brown University Compost More Of Its Organic Waste? (2000)
- Kristen Getler* Sport Utility Vehicles: The Environmental Consequence of an American Phenomenon (2000)
- Charlotte Matthews* Reducing Building Energy Loads through Improved Fenestration Design (1999)
- Rebekah Doyle* In Situ Soil Lead Remediation (1998)
- J. Yannick Perrette* The Potential for Community Supported Agriculture (CSA) in Rhode Island: Evaluating the Durability of the CSA Model for Agricultural Decision Making in the 21st Century (1998)
- Anton D. Nicholas* Opportunity to Reduce Energy Consumption at a Publicly-Subsidized Private Development: A Case Study of the Providence Place Mall (MA, 1998)

## SELECTED INVITED LECTURES, WORKSHOPS AND PRESENTATIONS

- 2016, 2017, 2018 Brown Urban Studies The City Course: *Mobility Planning and Implementation*
- 2017 Brown HIAA Introduction to Architectural Design Studio: *Sustainability Integration*
- 2016 Brown Urban Studies: *Pedestrian and Bicycle Planning and Infrastructure Bus Tour*
- 2016 RISD Urban Ecologies Studio: *Solar Aquatics, Living Machines, Ecological Wastewater Management*
- 2016 NESEA Building Energy Forum: *A Community for the Ages*
- 2014 International Sustainable Campus Network Symposium, Cambridge, MA. *Working Group: Integration of Research, Teaching, and Facilities*
- 2014 Northeast Campus Sustainability Consortium, Providence, RI *Conference Chair, Organizer and Session Facilitator*
- 2012 International Sustainable Campus Network Symposium, Eugene, OR. *Working Group: Integration of Research, Teaching, and Facilities*
- 2012 Northeast Campus Sustainability Consortium, Syracuse University, Syracuse, NY. *Community-based Learning for Change: Marshall Teaching for Learning & Collaboration*
- 2012 New England Campus Sustainability Forum, Boston, MA. *Campus Living Laboratory from Headache to Halo: Connecting the Dots for High Impact Student Projects*
- 2010 Northeast Campus Sustainability Consortium, McGill University, Montreal, Quebec. *Developing Students as Environmental Leaders*

- 2009 Northeast Campus Sustainability Consortium, University of Vermont, Burlington, VT. *Community Collaborations to Facilitate Applied Learning and Emissions Reductions Programs*
- 2009 Dillard University, New Orleans, LA. Facilitator: *Workshop On Campus Sustainability Initiatives*
- 2008 American Association for Sustainability in Higher Education Conference, Raleigh, NC. Session Chair: *Engaging Students in Sustainable Design Through Community-Based Learning*, Panel Moderator: *GHG External Reporting: Collaborate, Collect, Report*
- 2008 Northeast Sustainable Energy Conference, Boston, MA. Session Chair: *Energy Sustainability and the Green Campus*, Session Chair: *An Analysis of High Performance College and University Dorms*
- 2007 Society of College and University Planners Annual Conference, Chicago, IL. Panelist: *Realizing Green Campus Initiatives through Facility Programming*
- 2007 RI Statewide Historic Preservation Conference, Pawtucket, RI. *Panelist: Green Preservation: Case Studies and Compromises*
- 2006 AASHE 2006: The Role of Higher Education in Creating a Sustainable World, Tempe, AZ. *Moving from Theory to Practice on a Sustainable Campus: Service Learning Projects to Build Campus Community*
- 2006 EPA Brownfields Conference, Boston, MA. *Strategic Planning and High Performance Design to Reduce Energy and Environmental Impacts at Brown University*
- 2006 Oberlin College, Oberlin, OH. *LEED and High Performance Design in Campus Buildings*
- 2006 Yale Climate Conference, New Haven, CT. *Progress Towards Sustainability at Yale and Brown*
- 2005 Greening of the Campus VI: Extending Connections, Ball State University, Muncie, IN. *Sustaining Coordination Workshop*
- 2005 Northeast Campus Sustainability Consortium, Harvard University, Cambridge, MA. *Tackling the 200 Pound Gorilla: Energy Management on Campus*
- 2004 Northeast Campus Sustainability Consortium, University of New Hampshire, Durham, NH. *Integrating Curriculum and Campus Initiatives*
- 2003 National Recycling Congress, Baltimore, MD. *Campus Initiatives to Promote Sustainable Practices*
- 2003 Ithaca College, Ithaca, NY. *Environmentally Responsible Design of Campus Buildings*
- 2003 Georgia Southern University, Statesboro, GA *Earth Day Lecture and workshop facilitation on campus environmental stewardship.*
- 2002 National Recycling Congress, Seattle, WA. *Building Salvage and Reuse Programs*
- 2002 Rhode Island School of Design, Providence, RI. *Part and Whole: Rediscovering Ourselves as Part of Nature –Death, Detritus, and Regeneration*

- 2001 Build Boston, Boston, MA. *Environmentally Responsible Design at Brown University*
- 2001 E-Source Members Forum, Colorado Springs, CO. *Integrated Building Design: Getting Better Buildings for Less*
- 2000 University of Oregon, Eugene, OR. HOPES Design Conference. *Environmentally Responsible Design of Campus Buildings*
- 2000 National Recycling Congress, Charlotte, NC. *Construction and Demolition Waste Management*
- 1999 Southwest Texas State University, San Marco, TX. Institute for Ecological Studies SEEDS Program. *Teaching Campus Ecology*
- 1999 Michigan State University, East Lansing, MI. *Earth Day Keynote Lecture*
- 1999 Lund University, Lund, Sweden. *Environmental Management Systems at Brown University: University Operations*
- 1998 Clemson University. South Carolina Sustainable Universities Project. *Educating in the Future: Sustainability and Higher Education*
- 1997 Second Nature Northeast Regional Workshop, Cornwall, CT. *Education for Sustainability: The Role of Higher Education*
- 1997 Ball State University Greening of the Campus II. *The Campus Lighting Efficiency Project: The Halogen Torchiere Opportunity*. With Chris Calwell, Ecos Consulting.

## SELECTED BUILDING DESIGN AND CONSTRUCTION PROJECTS

- Environmental Research and Teaching, 2014* Principals committee member. Support the integration of high performance building and LEED objectives in adaptive reuse of 1958 psychology laboratory building. Architect: Toshiko Mori Architects
- Sidney E. Frank Hall for Life Sciences, 2006.* Coordination of energy modeling and client LEED certification requirements for 170,000 ft<sup>2</sup> laboratory building. High performance design measures include demand-controlled ventilation, daylight dimming control strategies, rainwater storage and reuse. Architect: Ballinger Architects
- RISD Solar Decathlon Project, 2005* Coordinated design, analysis, construction and education activities of Brown University students collaborating on RISD Solar Decathlon entry.
- Explore The Bay Education Center, Save the Bay 2003.* Review and coordination of mechanical design modifications to improve the energy performance of high performance building that includes photovoltaic power, daylighting strategies, green roof, and stormwater management. Architect: Croxton Collaborative Architects
- Watson Institute, Brown University 1999.* Responsible for the coordinating consulting engineers' advanced energy modeling of the building to incorporate energy conservation measures including specifications and construction of demand-controlled ventilation and advanced daylighting design. Architect: Rafael Viñoly Architects

- Keefe Hall, Wheaton College 1998.* Served as environmental consultant to the Committee on Campus Environmental Practices to prepare overall strategy for the College and served on design team for Keefe Hall residence. Architect: Juster Pope Frazier Architects
- MacMillan Hall, Brown University 1997.* Environmental Sciences teaching laboratories are included in this 76,000 sf building. Served as lead environmental design consultant on building design team and incorporated energy conservation measures such as daylight dimming compensation and advanced mechanical. Architect: Koetter, Kim & Associates
- New Alchemy House 1990.* Participated as member of design team to develop plans for a model affordable, sustainable single-family house. The lead architect, Donald Watson, marketed the design throughout New England. Architect: Donald Watson
- Visitors' Center Classrooms–New Alchemy Institute 1988.* Served as Project Manager and Construction Supervisor on design-build adaptive renovation of dairy barn to accommodate visitor facilities, bookstore and classrooms for non-profit educational center. The design included passive ventilation, daylighting and solar-assisted radiant floor heating.

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