

STEPHEN M. WHEELER, Ph.D.

Professor of Urban Design and Sustainability
Landscape Architecture + Environmental Design Program
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CURRICULUM VITAE

Areas of Academic Interest

Overall interest: Strategy and vision for sustainable development. Specific interests: urban design, urban morphology, land use planning, climate planning, social equity planning, regional planning, planning theory.

Education

Ph.D., 2000, City and Regional Planning, University of California at Berkeley
M.C.P, 1995, University of California at Berkeley
B.A., 1979, Psychology, Dartmouth College, Hanover, New Hampshire

Academic Employment

3/15-present

Professor, Landscape Architecture + Environmental Design Program,
Department of Human Ecology, University of California at Davis
Chair, Community Development Graduate Group
Member, Geography Graduate Group
Member, Institute for Transportation Studies
Member, Energy Graduate Group

3/09-2/15

Associate Professor, Landscape Architecture Program, Department of Human Ecology, University of California at Davis

1/07-2/09

Assistant Professor, Landscape Architecture Program, Department of Environmental Design, University of California at Davis

7/03 – 12/07

Assistant Professor, Community and Regional Planning Program, University of New Mexico

8/99-6/03

Lecturer, Department of City and Regional Planning, University of California at Berkeley

Google Scholar Profile (as of 11/13/19)

Citations: 3,589
h-index: 21
i10-index: 29 (# publications with > 10 citations)

Courses Taught

University of California at Davis

LDA 3 Sustainable Development Theory and Practice
LDA 142 Applying Sustainable Strategies
LDA 170 Site Planning and Design Studio
LDA 180G Regional and Land Planning
LDA 181G Regional and Land Planning Studio
LDA 180I Regenerative Landscapes
LDA 181I Regenerative Landscapes Studio
LDA 190 Proseminar
LDA 193A-B Senior Project
LDA 205 Urban Planning and Design
CRD 240 Community Development Theory
CRD 298/260 Community Development Thesis Workshop
GEO 200E Advanced Research Design
FRS 002 First-Year Seminar: Creative Responses to Climate Change
FRS 002 First-Year Seminar: Climate Change

University of New Mexico

CRP 521 Advanced Planning Studio
CRP 525 Urban Design Theory
CRP 570 Town Design and Public Health
CRP 533 Foundations of Physical Planning
CRP 583 Introduction to GIS

University of California at Berkeley

CP 116 Undergraduate Planning Studio
CP 119 Planning for Sustainability
CP 228 Metropolitan Regional Planning Studio
CP 254 Current Issues in Environmental Planning
CP 270 Seminar in Sustainable Development

Selected Honors

Advising Award, Community Development Graduate Group, 2019

Cool Davis 2016 Eco-Hero Award, given annually for contributions to a carbon-neutral future for the City of Davis.

CalCAN 2015 Academic Climate and Agriculture Leadership Award.

Given by the California Climate & Agriculture Network (CalCAN) for work showing relationships between urban growth, agriculture, and greenhouse gas emissions.

Advising Award, Community Development Graduate Group, 2014

William R. and June Dale Prize for Excellence in Urban and Regional Planning, 2009.

National award (\$5,000) given annually to one academic and one practitioner by Cal Poly Pomona.

Honorable Mention, 2008 Chester Rapkin Award, Association of Collegiate Schools of Planning (for best article published in the *Journal of Planning Education and Research*).

Winner of the 2003 Education Project Award of Merit from the California Chapter of the American Planning Association and the 2003 Best Education Project Award from the Northern California Chapter of the APA for *Smart Infill: Creating More Livable Communities in the Bay Area* (San Francisco: Greenbelt Alliance, 2002).

Honor Award, Housing the Next Ten Million Competition, 1999 (\$10,000 first prize with Michael Larice in the Infill Development category of this international urban design

competition sponsored by the Great Valley Center, the American Institute of Architects, California Chapter, the U.S. EPA, and the California League of Cities).

Munsell Memorial Award, California Planning Roundtable, 1999 (\$1,500 first prize in essay competition on topic "Can California Manage its Growth on a Statewide Basis?").

Chicago Institute of Architecture and Urbanism Award, 1997 (\$5,000 first prize in national competition administered by the Skidmore, Owings & Merrill Foundation).

Switzer Environmental Fellowship, San Francisco Foundation, 1994-95 (\$10,000 fellowship awarded to students "likely to make a significant contribution toward improving the quality of the human environment").

Books

Radical Questions about Sustainable Cities: Towards a Social Ecology of Sustainability (co-authored with Christina Rosan). Manuscript under review at U.C. Press.

Built Landscapes: Patterns of Form in the World's Cities and Their Implications for Sustainability. Manuscript in progress.

Climate Change and Social Ecology: A New Perspective on the Climate Challenge. 2012. London: Routledge.

Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities. First edition 2004; second edition 2013. London and New York: Routledge.

The Sustainable Urban Development Reader. (Co-edited with Timothy Beatley). First edition 2004; second edition 2009; third edition 2014. London and New York: Routledge.

Book Chapters

"Social Ecology." 2017. Entry for *The Companion to Environmental Studies*. Castree, Noel, Hulme, Mike, and Proctor, James. New York and London: Routledge.

"Five Reasons Why Megaregional Planning Works against Sustainability." 2015. in Harrison, John and Michael Hoyler, eds., *Megaregions: Globalization's New Urban Form?* Edward Elgar.

- “Zero Net Energy at a Community Scale: U.C. Davis West Village” (with Robert B. Segar). 2013. In Fereidoon Sioshansi, ed. *Energy Efficiency: The End of Demand Growth*. Elsevier.
- “Urban Planning – Working with Today’s Cities.” 2013. In Zeman, Frank, ed. *Handbook of Metropolitan Sustainability*. Woodhead Publishing.
- “Climate Change and Urban Planning.” 2011. In LeGates, Richard T. and Frederic Stout, eds. *The City Reader, Fifth Edition*. London and New York: Routledge.
- “Regions, Megaregions, and Sustainability.” 2011. In Neuman, Michael and Angela Hull, eds. *The Futures of the City Region*. London: Routledge.
- “Planning and the Urban Environment.” 2011. In Fitzpatrick, Tony, ed., *Understanding Environmental Policy and Social Welfare*. Bristol, UK: Policy Press.
- “California’s Climate Change Planning: Policy Innovation and Structural Hurdles.” 2009. In Davoudi, Simin, Jenny Crawford and Abid Mehmood., eds., *Planning for Climate Change: Strategies for Mitigation and Adaptation*. London: Earthscan.
- “Planning for Sustainability.” 2009. In Hack, Gary, Eugenie Birch, Paul Sedway, Mitchell Silver, eds. *Local Planning: Contemporary Principles and Practice*. Washington, D.C.: The International City/County Management Association.
- “Sustainability and Education.” 2009. In Taylor, Anne, ed. *Linking Architecture and Education: Sustainable Design of Learning Environments*. Albuquerque: University of New Mexico Press.
- “Sustainability and Community Development.” 2008. In Phillips, Brenda and Robert Pittman, eds., *Introduction to Community Development*. New York: Routledge.
- “Planning Sustainable and Livable Cities.” 2005. in Hai, Yu, ed. *Urban Sociology: Classic and Contemporary Readings*. Shanghai: Fudan University Press. (In Chinese)
- “Planning Sustainable and Livable Cities.” 2000. In LeGates, Richard T. and Frederic Stout, eds. *The City Reader* (multiple editions). London and New York: Routledge.

Peer-Reviewed Journal Articles

- Dialesandro, John, Yaser Abunassr, and Stephen M. Wheeler. 2019. Urban Heat Island Dynamics in Dryland Urban Regions. *Environmental Research Communications*.

1 (8). <https://doi.org/10.1088/2515-7620/ab37d0>.

Wheeler, Stephen M., Yaser Abunassr, John Dialesandro, Eleni Assaf, Sarine Agopian, and Virginia Carter Gamberini. 2019. "Mitigating Urban Heating in Dryland Cities: A Literature Review." *Journal of Planning Literature*. 34 (4) 434-446.

<https://doi.org/10.1177/0885412219855779>

Jones, Christopher M., Stephen M. Wheeler, and Daniel M. Kammen. 2018. "Carbon Footprint Planning: Quantifying Local and State Mitigation Opportunities for 700 California Cities." *Urban Planning*. 3 (2). 35-51.

<https://www.cogitatiopress.com/urbanplanning/article/view/1218>.

Talen, Emily, Stephen M. Wheeler, and Luc Anselin. 2018. The Social Context of U.S. Built Landscapes. *Landscape and Urban Planning*.

<https://doi.org/10.1016/j.landurbplan.2018.03.005>

Wheeler, Stephen M. 2017 "A Carbon-Neutral California: Social Ecology and GHG Reduction Policies." *Urban Planning*. 2 (4) 5-18.

<https://www.cogitatiopress.com/urbanplanning/article/view/1077>.

Ryan Byrnes, Valerie Eviner, Ermias Kebreab, William R. Horwath, Louise Jackson, Bryan M. Jenkins, Stephen Kaffka, Amber Kerr, Josette Lewis, Frank M. Mitloehner, Jeffrey P. Mitchell, Kate M. Scow, Kerri L. Steenwerth, and Stephen Wheeler. 2017. "Review of Research to Inform California's Climate Scoping Plan: Agriculture & Working Lands." *California Agriculture*. 71 (3). 161-168.

Wheeler, Stephen M. 2015. "Built Landscapes of Metropolitan Regions: An International Typology." *Journal of the American Planning Association*. 81:3,167-190. DOI: 10.1080/01944363.2015.1081567.

Steenwerth, Kerry L. et al. 2014. "Climate-smart agriculture global research agenda: scientific basis for action." *Agriculture & Food Security*. 3 (11). DOI: 10.1186/2048-7010-3-11

Wheeler, Stephen M., Mihaela Tomuta, Van Ryan Haden, and Louise E. Jackson. 2013. "The Impacts of Alternative Patterns of Urbanization on Greenhouse Gas Emissions in an Agricultural County." *Journal of Urbanism*. 6 (3) 213-235.

Haden, Van Ryan, Michael Dempsey, Stephen Wheeler, William A. Salas, Louise Jackson. 2012. "Use of Local Greenhouse Gas Inventories to Prioritize Opportunities for Climate Action Planning and Voluntary Mitigation by Agricultural Stakeholders in California." *Journal of Environmental Planning and Management*. 1-19.

- Beebe, Craig and Stephen M. Wheeler. 2012. "Gold Country: The Politics of Exurban Landscapes and Planning in El Dorado County, California." *Journal of Political Ecology*. 19. 1-16.
- Wheeler, Stephen M. and Robert B. Segar. 2012. "West Village: Development of an Ecological Neighborhood in Davis, CA." *Planning Theory and Practice*. 13 (1) 145-156.
- Jackson, L.E., Wheeler, S.M., Hollander, A.D., O'Geen, A.T., Orlove, B.S., Six J., Sumner, D.A., Santos-Martin, F., Kramer, J.B., Howath, W.R., Howitt, R.E., and Tomich, T.P. 2011. "Adaptation to Climate Change in an Agricultural Landscape in the Central Valley of California." *Climactic Change*. 109 (1) 407.
- Wheeler, Stephen M. and Craig Beebe. 2011. "The Rise of the Postmodern Metropolis: Spatial Evolution of the Sacramento Metropolitan Region." *Journal of Urban Design*. 16 (3) 307-332.
- Wheeler, Stephen M. 2010. "A New Conception of Planning in the Era of Climate Change." *Berkeley Planning Journal*. 23 (1).
- Wheeler, Stephen M., James B. London and John Randolph. 2009. "Planning and Climate Change." 2009. *Progress in Planning* 72 (4) 210-222.
- Wheeler, Stephen M. 2009. "Regions, Megaregions, and Sustainability." *Regional Studies*. Special Issue on the Future of the City Region. 43 (6) 863-876.
- Wheeler, Stephen M. 2008. "The Evolution of Built Landscapes in Metropolitan Regions." *Journal of Planning Education and Research*. 27 (4) 400-416.
- Wheeler, Stephen M. 2008. "State and Municipal Climate Change Plans: The First Generation." *Journal of the American Planning Association*. 74 (4) 481-496.
- Wheeler, Stephen M. and Wade Patterson. 2007. "The Rise of the Regional City: Spatial Development of the Albuquerque Metropolitan Area." *The New Mexico Historical Review*, 82 (1) 1-36.
- Wheeler, Stephen M. 2003. "The Evolution of Urban Form in Portland and Toronto: Implications for Sustainability Planning." *Local Environment* 8 (3) 317-336.
- Wheeler, Stephen M. 2002. "The New Regionalism: Characteristics of an Emerging Movement." *Journal of the American Planning Association*. 68 (3). 267-278.
- Wheeler, Stephen M. 2001. "Technology and Planning: A Note of Caution." *Berkeley Planning Journal* 15.

Wheeler, Stephen M. 2000. "Planning for Metropolitan Sustainability." *Journal of Planning Education and Research*. 20: 133-145.

Wheeler, Stephen M. 2000. "Regional Planning: A Call to Re-evaluate the Field." *Berkeley Planning Journal* 14, 1-3.

Reviews

Review: *The Elgar Companion to Sustainable Cities: Strategies, Methods, and Outlook*, edited by Daniel Mazmanian and Hilda Blanco. 2015. *Journal of the American Planning Association*. 80 (4) 446-447.
<http://dx.doi.org/10.1080/01944363.2014.998131>.

Review: *Seven Rules for Sustainable Communities: Design Strategies for the Post-Carbon World*, by Patrick M. Condon. 2012. *Canadian Journal of Urban Research*. 21(1) 161-163.

Review: *Urban Ecological Design: A Process for Regenerative Places*. Daniel Palazzo and Frederick Steiner. 2012. *Journal of Regional Science*. 52 (4) 719-720.

Review: *Sustainability in America's Cities: Creating the Green Metropolis*. Matthew I. Slavin, ed. 2012. *Journal of Planning Literature*. 27 (1) 173.

Review: *Spatial Planning and Climate Change*, by Elizabeth Wilson and Jake Piper. 2012. *Journal of Housing Studies*. (27) 1.

Review: *Building for a Changing Climate: The Challenge for Construction, Planning and Energy*, by Peter F. Smith. 2011. *Canadian Journal of Urban Research*.

Review: *Sustainability Education: Perspectives and Practice Across Higher Education*, by Paula Jones, David Selby, and Stephen Sterling, eds. 2010. *Journal of Planning Education and Research*. 32 (1), 125-127.

Review: *Urban Design and People*, by Michael Dobbins. 2010. *Journal of Architectural and Planning Research*. 27 (4). 359-360.

Review: *New Regionalism and Asylum Seekers: Challenges Ahead*, edited by Susan Kneebone and Felicity Rawlings-Sanaei. 2009. *International Migration and Integration*. 10: 115-116.

Review: *Suburban Transformations*, by Paul Lukez. 2008. *Journal of the American Planning Association*. 74 (3) 378.

Review: *Living Cities: An Urban Myth? Government and Sustainability in Australia*, by Garry Smith and Jennifer Scott. 2008. *Journal of Urban Affairs*. 30 (2) 223-225.

Review: *Constructing Sustainable Development*, by Neil E. Harrison, and *Safeguarding Our Common Future: Rethinking Sustainable Development*, by Ingrid Leman Stefanovic. 2002. *Journal of the American Planning Association*. 68 (1). 110-111.

Review: *American Metropolitcs: The New Suburban Reality*, by Myron Orfield. 2002. *Berkeley Planning Journal* 16.

Review: *The Regional City*, by Peter Calthorpe and William Fulton. 2001. *Berkeley Planning Journal* 15.

Review: *The Transit Metropolis*, by Robert Cervero. 2000. *Berkeley Planning Journal* 14, 140-142.

Reports, Comments, Op-Eds, and Other Publications

Houlton, Benjamin Z. et al. 2018. *California's Fourth Climate Change Assessment: Sacramento Valley Region Report*. Sacramento: Office of Planning and Research.

Wheeler, Stephen M. 2017. "Planning for a Carbon-Neutral California in 2050." *CALPlanner*. 17 (4) 1, 6-7.

Wheeler, Stephen M. 2016. "Sustainability Planning as Paradigm Change." *Urban Planning*. 1 (3). <http://dx.doi.org/10.17645/up.v1i3.740>.

Wheeler, Stephen M., Judy Corbett, Alan Hirsch, Judy Moores, Alan Pryor, and James Zanetto. 2016. "An Infill Future for Davis." *Davis Enterprise*. <http://www.davisenterprise.com/forum/opinion-columns/an-infill-future-for-davis/>.

Millet, Michelle, Don Shor, Charles Salocks, Stephen Wheeler, Judy Corbett, and Alan Hirsch. 2016. "Nishi is a Model for Mixed-Use Infill." *Davis Enterprise*. <http://www.davisenterprise.com/forum/opinion-columns/nishi-is-a-model-for-mixed-use-infill/>.

Wheeler, Stephen M. 2015. "Stronger Innovation Park Policy Needed." *Davis Enterprise*. 3/12/15. http://www.davisenterprise.com/forum/opinion-columns/stronger-innovation-park-policy-needed/?fb_comment_id=801685733261142_801690036594045#f2fe9dffbf580f.

- Wheeler, Stephen M. 2015. "Sustainable Urban Development." Thematic essay for Routledge Sustainability Hub. Online resource at <http://www.routledge textbooks.com/textbooks/sustainability/urban.php>.
- Wheeler, Stephen M. and Jeanne Merrill. 2015. "Opportunities for Increased Greenhouse Gas Reductions from Farmland Conservation: A White Paper on the Sustainable Agricultural Lands Conservation (SALC) Program." CalCAN and the Center for Regional Change, U.C. Davis.
- Wheeler, Stephen M. 2015. "Time for Leadership on Nishi." *The Davis Enterprise*. June 21.
- Zanetto, James and Stephen Wheeler. 2015. "Innovation Centers: A Vision for the 'Guiding Principles'". *The Davis Enterprise*. January 18. <http://www.davisenterprise.com/forum/opinion-columns/innovation-centers-a-vision-for-the-guiding-principles/>.
- Zanetto, James and Stephen Wheeler. 2015. "Vision to Ensure Innovation Centers are Truly Innovative." *The Davis Vanguard*.
- Wheeler, Stephen M. 2014. "It's Time to Divest from Fossil Fuels," Blog posting on UC Davis Sustainability website, <http://blogs.ucdavis.edu/sustainability/2014/09/08/>.
- Wheeler, Stephen M. 2014. "Ecological Infrastructure" (in Norwegian). In Stenvik, Bår, ed. *Arbeid pågår!* Oslo: Norsk Design.
- Wheeler, Stephen M., Sahoko Yui, Diana Grandi, and Marisa Naughton. December 2013. "Recommendations for a Sustainable Neighborhood Plan, India Street Neighborhood, Portland Maine."
- Entries on "Sustainable Development" and "Sustainable Urban Design" for the Springer Encyclopedia of Quality of Life Research. Alex C. Michalos, Editor-in-Chief, 2013.
- Jackson, Louise, Van R. Haden, Allan D. Hollander, Hyunok Lee, Mark Lubell, Vishal K. Mehta, Toby O'Geen, Meredith Niles, Josh Perlman, David Purkey, William Salas, Dan Sumner, Mihaela Tomuta, Michael Dempsey, and Stephen M. Wheeler. 2012. *Adaptation Strategies for Agricultural Sustainability in Yolo County, California*. California Energy Commission. Publication number: CEC-500-2012-032.
- Jackson, Louise, Van R. Haden, Stephen M. Wheeler, Allan D. Hollander, Josh Perlman, Toby O'Geen, Vishal K. Mehta, Victoria Clark, and John Williams. 2012. *Vulnerability and Adaptation to Climate Change in California Agriculture*.

Sacramento: California Energy Commission Public Interest Energy Research (PIER) Program White Paper.

Wheeler, Stephen M. and Jayoung Koo. 2011. "Built Landscapes of Urban Regions: An International Comparison." *UGEC [Urbanization and Global Environmental Change] Viewpoints*. No. 5. 37-40.

Jackson, L.E., F. Santos-Martin, A.D. Hollander, W.R. Horwath, R.E. Howitt, J.B. Kramer, A.T. O-Geen, B.S. Orlove, J.W. Six, S.K. Sokolow, D.A. Sumner, T.P. Tomich, and S.M. Wheeler. 2009. *Potential for Adaptation to Climate Change in an Agricultural Landscape in the Central Valley of California*. Sacramento: California Climate Change Center. CEC-500-2009-044-D.

"Urban Development." 2009. In Laszlo, Chris, Dan Fogel, and Peter Whitehouse, eds. *Berkshire Encyclopedia of Sustainability, Volume II: The Business of Sustainability*. Great Barrington, MA: Berkshire.

"Sustainable Planning: Where are We Headed?" 2009. *Green Places*. 60. 13-15.

"Central Avenue/Nob Hill Street Design Recommendations." 2005.

"Creating Walkable Neighborhoods." 2004. *Nuestro Pueblo*. Fall/Winter. 6-8.

Contra Costa County: Smart Growth or Sprawl? 2003. San Francisco: Greenbelt Alliance.

Smart Infill: Creating More Livable Communities in the Bay Area. 2002. San Francisco: Greenbelt Alliance.

Livable Communities: Creating Safe and Livable Neighborhoods, Towns, and Regions in California. 2001. Berkeley: IURD Working Paper 2001-04.

North Livermore: Last Chance for Smart Growth. 2000. Oakland: Urban Ecology and the Transportation Choices Forum.

"Sustainability Planning in the United States," in Peck and Associates, *Implementing Sustainable Community Development: Charting a Federal Role for the 21st Century*, Toronto: Canada Mortgage and Housing Corporation, 2000.

Designing the Livable Metropolis: Metropolitan Institutions and the Evolution of Urban Form. Dissertation, University of California at Berkeley. 2000.

"The Concept of 'Authenticity' in Urban Design" (with Elizabeth Macdonald). 1998. *The Urban Ecologist*. 98 (3).

Review: *Ecology of Fear*, by Mike Davis. 1998. *The Urban Ecologist*. 98 (3).

Review: *The Ecology of Place*, by Timothy Beatley and Kristy Manning. 1998. *The Urban Ecologist*. 98 (2).

Sustainable Urban Development. 1996. Berkeley: Institute of Urban and Regional Development Monograph No. 71.

“Creating Healthy Cities,” in Susan Lowry, ed. 1996. *Invested in the Common Good*. Philadelphia: New Society Press.

“Design Strategies to Make Density Livable.” 1996. *The Urban Ecologist*. 96 (1).

“Restoring Urban Ecosystems.” 1996. *The Urban Ecologist*. Winter.

“Creating Bicycle-Friendly Cities.” 1994. *Utne Reader*. June/July.

“Ecological Rebuilding Around the World.” 1994. *Solar Mind*. Winter.

“Solving Berkeley's Transportation Mess.” 1993. *Berkeley Insider*. Jan/Feb.

A Sustainable City Plan for Berkeley. 1992. Oakland: Urban Ecology.

Invited Presentations

“Heat Impacts on Vulnerable Communities and Reduction Strategies.” Presented 7/9/19 to the Joint Legislative Committee on Climate Policy, California Legislature

“Mitigating Heat Islands for Dryland Cities.” Presented March 5, 2019 to the U.C. Davis Arab Region Consortium Sustainability Research and Training Program. International Center, Davis, CA. (With Yaser Abunnasr and John Dialesandro).

“The Evolution of Built Landscapes in the World's Cities.” Presented June 24, 2018 to the Department of Geography and Urban Studies, Ryukoku University, Kyoto, Japan.

“Active Learning Strategies for Mid-Sized Classes.” Presented May 12, 2017 in the Center for Educational Effectiveness faculty workshop series, U.C. Davis.

“The Future of Sustainability in a Polarized Time.” Presented March 16, 2017 at the Georgia Institute of Technology, Atlanta GA.

- “Farmland Conservation and GHG Reduction: What Could We Do More?” Presented February 28, 2017 to the California Climate and Agriculture Network (CalCAN) Annual Conference.
- “Farmland Conservation as a Strategy to Reduce GHG Emissions.” Presented February 16, 2017 to the Climate Change and Agriculture Legislative Briefing, California State Capitol.
- “Farmland Conservation as a Strategy to Reduce GHG Emissions.” Presented February 7, 2017 to California Department of Conservation Staff.
- “Street Design.” Presented October 28, 2016 to students of the Transportation Technology and Policy graduate group.
- “Visions of a Sustainable Living/Learning Center.” Presented October 12, 2016 to the SLLC Working Group.
- “My Quest to Understand Sustainable Communities.” Presented January 27, 2016 to the Community Development Graduate Group, U.C. Davis.
- “What is Appropriate Technology for Sustainable Communities?” Presented April 7, 2015 to the Civil and Environmental Engineering Graduate Group seminar series, U.C. Davis.
- “Appropriate Technology for Sustainable Cities.” Presented March 25, 2015 to the Center for Information Technology Research in the Public Interest, U.C. Berkeley.
- “Climate Change and Agriculture in the Delta Region.” Presented February 13, 2014 to the Science Behind Climate Change Impacts workshop sponsored by the Delta Conservancy, West Sacramento.
- “Ecocities and Ecosocieties,” Presented April 2, 2013 to the Monroe Center for Social Inquiry lecture series at Pitzer College.
- “Ecocities and Social Ecology” Presented October 10, 2012 to TEDx Sacramento.
- “The Evolution of Built Landscapes in U.S. and International Urban Regions,” Presented September 14, 2012 to the College of Architecture, Harbin Institute of Technology, Harbin, China
- “The Rise of Sustainable Urban Development Planning,” Presented September 12, 2012 to the College of Architecture, Harbin Institute of Technology, Harbin, China

“Sustainability Past, Present, and Future” Presented November 2, 2011 to the Landscape Architecture and Environmental Planning Colloquium, University of California at Berkeley.

“Sustainability through Rapid Urban and Population Growth: An Oxymoron?” Presented October 15, 2010 to the International Conference on Urbanization and Global Environmental Change, Arizona State University, Tempe AZ.

“Climate Change Planning.” Presented January 15, 2010 to the California Planning Roundtable, Davis, CA.

“U.S. State and Local Climate Change Planning.” Presented October 28, 2009 to the Institut Pour la Ville en Mouvement in Paris, France.

“Changing Behavior Around Climate Change” Presented July 10, 2009 to the Yolo Climate Compact, Davis, CA.

“An Overview of Climate Change Activities in the United States” Presented May 7, 2009 at the Changing Land Use to Mitigate Climate Change Symposium, Dubrovnik, Croatia.

“Planning and Designing for a Carbon-Neutral World” Presented March 18, 2009 to the Department of Landscape Architecture and Environmental Planning, University of California, Berkeley.

“State and Local Climate Change Planning in the U.S.: Implications for Transportation.” Presented March 6, 2009 to the Institute of Transportation Studies, University of California, Davis.

“Learning from Climate Change.” Presented February 4, 2009 to the Dale Prize Colloquium, Cal Poly Pomona.

“Sustainability: What Do We Need To Do Better in Our Region?” Presented June 2008 in the Sustainable Region Speakers Series organized by the Sacramento chapters of the American Planning Association, American Institute of Architects, and Association of Landscape Architects.

“Ecological Design of Cities in the Twenty-First Century.” Presented June 2008 to the 2008 International Forum on Urban Development and Planning, held in Langfang, China.

“Green Communities in Light of Climate Change.” Presented June 2008 to the Bay Area Local Elected Officials Leadership Forum, Berkeley.

- “State and Local Climate Change Planning in the U.S.” Presented April 2008 to the American Planning Association (APA) conference in Las Vegas.
- “Challenges of California Regionalism.” Presented May 2008 to the Regionalism in California conference of the Center for the Study of Regional Change.
- “Regions, Megaregions, and Sustainability.” Presented February 2007 to the Landscape Architecture Program proseminar speakers series.
- “Healthier Families Through Town Design” (with Nina Wallerstein). Presented May 2006 to the Town Design: Revitalizing the Village conference of the Center for Design Assistance.
- “Active Living and School Design.” Presented April 2006 to the architectural and planning staff of Albuquerque Public Schools.
- “Planning and the Ecological Worldview.” Presented November 2005 to the University of Cincinnati Interdisciplinary Forum on the Theories, Models and Methods of Sustainable Development.
- “Developing Strategies for Walkable Neighborhoods.” Presented June 2005 to the Albuquerque Alliance for Active Living annual conference.
- “Smart Growth.” Presented April 2005 to the annual conference of the New Mexico Association of Professional Engineers.
- “Smart Infill.” Presented April 2002 to the Board of Directors of the Greenbelt Alliance.

Conference Papers

- “Urban Heat Island Dynamics in Dryland Urban Regions.” A Paper Presented March 9, 2019 to the Council of Educators in Landscape Architecture annual conference in Sacramento. (With John Dialesandro and Yaser Abunnasr)
- “Built Landscapes and Sustainability.” Presented November 2016 to the Association of Collegiate Schools of Planning (ACSP) conference in Portland, OR.
- “Social Ecology: Planning for Societies that can Plan for Sustainability.” Presented October 2014 to the Association of Collegiate Schools of Planning (ACSP) conference in Philadelphia PA.

- “Teaching Sustainability Planning and Design.” Presented October 2011 to the Association of Collegiate Schools of Planning (ACSP) conference in Salt Lake City, UT.
- “Built Landscapes of Urban Regions: An International Comparison.” Presented April 2011 to the Council of Educators in Landscape Architecture (CELA) conference in Los Angeles.
- “Landscape Urbanism at a Regional Scale: Evolving Morphologies of the Sacramento Region.” Presented October 2010 to the Association of Collegiate Schools of Planning (ACSP) conference in Minneapolis, MN.
- “Climate Change Planning as a Catalyst for Sustainable Communities.” Presented October 2009 to the Association of Collegiate Schools of Planning (ACSP) conference in Washington, D.C.
- “California’s Climate Change Planning: Policy Innovations and Structural Hurdles. Presented July 2008 to the Association of Collegiate Schools of Planning (ACSP) conference in Chicago.
- “State Climate Change Plans: The First Generation.” Presented October 2007 to the Association of Collegiate Schools of Planning (ACSP) conference in Milwaukee.
- “The Evolving Regional Landscape: Spatial Patterns of the American Metropolis.” Presented November 2006 to the Association of Collegiate Schools of Planning (ACSP) conference in Fort Worth.
- “Teaching Sustainability Planning: Reflections on Ten Years of Practice.” Presented October 2006 to the Association for the Advancement of Sustainability in Higher Education (AASHE) conference in Tempe.
- “The Rise of the Regional City: Spatial Development of the Albuquerque Metropolitan Area” (with Wade Patterson). Presented March 2006 to the Rocky Mountain American Studies conference in Albuquerque.
- “Evaluating Ecological Urban Design: Is an Urban Design LEED System Desirable?” (co-authored with Elizabeth Macdonald. October 2005. Paper presented at the Association of Collegiate Schools of Planning (ACSP) conference in Kansas City.
- “Active Living: Towards a Community-Based Model.” October 2004. Paper presented at the Association of Collegiate Schools of Planning (ACSP) conference in Portland.
- “Infill Development in the San Francisco Bay Area: Current Obstacles and Responses.” November 2001. Paper presented at the Association of Collegiate Schools of

Planning (ACSP) conference in Cleveland and published electronically by HUD's Regulatory Barriers Clearinghouse.

"The New Regionalism: An Emerging Movement in Historical Perspective." November 2000. Paper presented at the Association of Collegiate Schools of Planning (ACSP) conference in Chicago.

"The Evolution of Urban Form in Portland and Toronto: Lessons for Growth Management and Livability." November 1999. Paper presented at the Association of Collegiate Schools of Planning (ACSP) conference in Pasadena.

"The Role of Codes and Guidelines in Promoting Sustainable Development." November 1997. Paper presented at the Southwest Regional Conference of the Association of Collegiate Schools of Architecture, Albuquerque.

"Planning for Sustainability at the Metropolitan Regional Level: The Example of Portland, Oregon." 1997. Paper presented at the Association of Collegiate Schools of Planning (ACSP) conference in Fort Lauderdale.

Service Activities (Inside the University of California)

Chair, Community Development Graduate Group, 2018-present

Member, Faculty Advisory Committee, UC Davis Net Impact student chapter, 2017-present.

Chair, Landscape Architecture + Environmental Design Instruction Committee, 2016-present.

Member, Energy Graduate Group, 2016-present.

Member, College of Agricultural & Environmental Studies (CA&ES) Academic & Strategic Planning Committee, 2015-2016.

Member, Provost's ad-hoc committee to implement the Faculty Climate Action Champion Program, 2015-2016.

UC Davis Representative, Faculty Engagement and Education Working Group, U.C. President's Global Climate Leadership Council, 2015-present

Convenor and Chair, Ad-hoc Faculty Interest Group in Climate and Sustainability Education, 2008-present.

Master Advisor, Sustainable Environmental Design Major, 2014-present.

Member, Undergraduate Instruction and Program Review Committee, Academic Senate, 2011-2014.

Member, Undergraduate Majors and Courses Committee, College of Agricultural and Environmental Sciences, 2011– 2014.

Executive Committee, Center for the Study of Regional Change, U.C. Davis. 2007 – present.

Faculty Advisor, Community Development Graduate Group, U.C. Davis, 2007-present

Member/Chair, Admissions Committee, Community Development Graduate Group, U.C. Davis, 2007, 2008, 2010-2013, 2015-present.

Member, Geography Graduate Group, Community Development Graduate Group, and Institute of Transportation Studies, U.C. Davis, 2007-present.

Master Advisor, Landscape Architecture Program, 2009-2015.

Member, UC Education Abroad Program Advisory Committee on Environmental Studies. 2013-2015.

Executive Committee, Community Development Graduate Group, 2007-2014

Acting Chair, Community Development Graduate Group, 2012-13.

Chair, Search Committee for GIS and Urban Geography position, Department of Human Ecology, 2012.

Member, ITS Outstanding Thesis Committee, 2012.

Chair, Academic Plan Committee, Department of Human Ecology, 2011-2012.

Chair, Curriculum Committee, Department of Human Ecology, 2010-2011.

Member, Teaching Assistant Allocation Committee, College of Agricultural and Environmental Sciences, 2011

Member, College Planning Committee, College of Agricultural and Environmental Sciences, 2009-2010.

Member, Educational Policy Committee of the Graduate Council, 2009 – 2010.

Member, Admissions Committee, Geography Graduate Group, U.C. Davis, 2008 – 2010.

Member, College Planning Committee of the College of Agricultural and Environmental Sciences, Environment/Natural Resources/Planning/Design Working Group, 2009-2010.

Member, Future Structure of California working group for the U.C. Division of Agriculture and Natural Resources strategic planning process, Fall 2008.

Member, U.C. Davis Sustainability Committee and Education and Outreach Subcommittee, 2007-2008.

Chair, Curriculum Committee, Community Development Graduate Group, U.C. Davis, 2007-2008.

Member, Committee on Interdepartmental Majors, College of Agriculture and Environmental Sciences, U.C. Davis, 2008.

Chair, Ad-hoc Committee to develop a new major, Landscape Architecture Program, U.C. Davis, 2007.

Chair, Curriculum Committee, School of Architecture and Planning, University of New Mexico, 2004-6.

Chair, Information Committee, Community and Regional Planning Program, University of New Mexico, 2004-5.

Member, Curriculum Committee, Community and Regional Planning Program, University of New Mexico, 2005-6.

Student Member, Curriculum Committee, Department of City and Regional Planning, U.C. Berkeley, 1996-7.

Service Activities (Outside the University)

Member, Science & Technical Advisory Council, California Climate and Agriculture Network (CalCAN), 2016-present.

Editorial Board Member: *Urban Planning; Social Sciences; Sustainability; The Journal of Environmental Policy and Planning*

Referee for the *Journal of the American Planning Association*; the *Journal of Planning Education and Research*; the *Journal of Planning Literature*; the *Journal of Urban Design*; the *Journal of Urbanism*; the *Journal of Environmental Planning and Management*; the *Journal of Urban Planning and Development*; the *Journal of Urban Affairs*; *Housing Policy Debate*; *Urban Studies*; *Cities*; *Landscape and Urban Planning*; *Transport Policy*; the *Journal of Public Transportation*; *Environmental Research Letters*; *Environment, Development and Sustainability*; the *Journal of Urban Technology*; *Land Use Policy*; *Publius: the Journal of Federalism*; *Global Environmental Change*; *Health and Human Rights*; *Urban Climate*; *Sustainability*; *Places*; the *Journal of Geography and Regional Planning*; *Environment & Planning A*; *Environment & Planning C*; *Energies*; *Energy Policy*; *Economies*; *Planning Practice and Research*; *PLOS ONE*; *Nature Climate Change*; *ISPRS International Journal of Geo-Information*; *Solutions*; *Springer Science+Business Media*; *Routledge*; *Springer*; *University of Toronto Press*; *Bulletin of Geography*; US Army Research Office; the Social Sciences and Humanities Research Council of Canada; the German Academic Exchange Service, and the National Science Foundation.

External Reviewer for The Swedish Research Council Formas, 2014-2018.

Expert Advisor, Urban Sustainability Accelerator, Portland State University, December 2012-present.

Chair. 2007-8. Standards, Regulation and Technology Working Group of the American Planning Association Task Force on Climate Change Policy.

Steering Committee Member. 2005-6. Nob Hill Sector Plan Revision. City of Albuquerque.

Steering Committee Member. 2005-6. Great Streets Plan. City of Albuquerque

Steering Committee Member. 2005. New Mexico Department of Health's Obesity, Physical Activity, and Nutrition Program. Ten-member committee to develop an obesity, physical activity, and nutrition plan for the state.

Policy Committee Member. 2004-6. Albuquerque Alliance for Active Living.

Commissioner and Chair, City of Berkeley Transportation Commission. 1997-2003. Worked extensively with staff and the public to coordinate the city's transportation planning efforts. Spearheaded development of comprehensive bicycle plan and first-in-the-nation bicycle boulevard network.

Co-founder and Steering Committee Member, Bay Area Transportation Choices Forum, 1997-2000.

Board Member, Urban Ecology, Inc., 1991-1999. Represented the organization before planning agencies and the media on issues of transportation, land use, regional planning, bikeways, traffic calming, creek restoration, housing, and equity. Served as Vice President and Program Director.

Member, Legislative Subcommittee of the California State Environmental Protection Agency's Comparative Risk Project (1992-93).

Professional Activities

Co-PI, Isleta Boulevard Sector Plan. 2005-6. Led team hired by Bernalillo County to run community workshops and prepare a Sector (Area) Plan for the Isleta Boulevard Corridor.

Investigator, New Mexico Department of Transportation Context-Sensitive Design Guideline Project. 2005-6. Project to prepare "place audit" techniques and context-sensitive design guidelines for the state DOT.

Urban Planning and Design Consultant. 2000-2006. Worked with nonprofit organizations and local governments around issues of physical planning, urban design, and sustainable development.

Co-founder and Steering Committee Member, 1995-2002. Transportation Choices Forum (the Bay Area transportation/smart growth/livable community/social equity coalition now known as TransForm).

Editor, *The Urban Ecologist*, 1990-1998. Edited highly respected quarterly journal covering a wide range of urban issues and planning innovations in the U.S. and internationally. Nominated five times for Utne Reader Alternative Press Awards.

Research Assistant for Prof. Elizabeth Deakin. 1998-1999
Researched social learning processes within Portland, Oregon's regional growth management planning.

Research Assistant for Prof. Michael Southworth. 1998.
Restructured the department's Theories of Urban Form and Design course to provide a broader and more contemporary survey. Developed comprehensive new reader.

(Other experience includes grantwriting consulting, computer programming and consulting, and work as a lobbyist and organizer for environmental organizations in

Washington, D.C.)

Professional Affiliations

American Planning Association, Planners Network, former member of the American Institute of Certified Planners