

LARISSA LARSEN, AICP CEP
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Urban and Regional Planning
University of Michigan at Ann Arbor
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Education

Doctor of Philosophy in Urban and Regional Planning,
University of Illinois at Urbana-Champaign
August 1993 - December 1997

Master of Landscape Architecture,
University of Guelph (Canada)
September 1989 - May 1992

Bachelor of Applied Science,
University of Guelph (Canada)
September 1985 - May 1989

Academic Appointments

Associate Professor of Urban and Regional Planning
Associate Professor of Landscape Architecture
University of Michigan, June 2010 to present

Assistant Professor, Urban and Regional Planning Program, University of Michigan,
September 2005 to May 2010

Assistant Professor, School of Natural Resources and Environment, University of Michigan, September
2002 to August 2005

Assistant Professor, School of Planning and Landscape Architecture, Arizona State University
August 2000 to August 2002

Professional Registrations

Registered Landscape Architect, State of Indiana – # LA 20500166
American Institute of Certified Planners (AICP)
Certified Environmental Planner (Through AICP)

Scholarly Work

Peer-reviewed Journal Articles

Larsen, Larissa, Yeshitela, Kumelachew, Mulatu, Tilahun, Siefu, Sisay, and Desta, Hayal. (2019) The Impact of Rapid Urbanization and Public Housing Development on Urban Form and Density in Addis Ababa, Ethiopia. **Land**, doi:10.3390/land8040066

McFarland, Andrea, Larsen, Larissa, Kumelachew Yeshitela, Agizew Nigussie Engidad and Nancy G. Love. (2019) Guide for using green infrastructure in urban environments for stormwater management. **Environmental Science: Water Research and Technology**, DOI: 10.1039/c8ew00498f

Ziegler, Todd, Coombe, Chris, Rowe, Zachary, Clark, Sarah, Gronlund, Carina, Lee, Michele, Palacois, Angelina, Larsen, Larissa, Reames, Tony, Schott, Justin, Williams, Guy, and O’Neill, Marie (Submitted April 2019) Shifting from “community-placed” to “community-based” research to advance health equity:

Lessons learned from the Heatwaves, Housing, and Health Climate Resiliency Detroit Partnership. **Journal of Environmental Research and Public Health**.

Coseo, Paul, and Larsen, Larissa (Revise and Resubmit May 2019) Accurate Characterization of Land Covers in Urban EnvironmentsL Determining the importance of including obscured impervious surface in urban heat island models. **Atmosphere**.

Conlon, Kathryn, Mallen, Evan, Gronlund, Carina, Berrocal, Veronica, Larsen, Larissa, and O'Neill, Marie. (Revision Submitted March 2019). Mapping human vulnerability to extreme heat events: A critical assessment of heat vulnerability indices created using principal components analysis. **Environmental Health Perspectives**.

Adugan, Dagnachew, Lemma, Brook, Gebrie, Geremew Sahilu, Larsen, Larissa, Yeshitela, Kumelachew, and Jensen, Marina Bergen. (2018) Stormwater impact on water quality of rivers subjected to point sources and urbanization-the case of Addis Ababa, Ethiopia. **Water and Environment Journal**. 1-13.

Stults, Missy and Larsen, Larissa (2018 – in press) “Tackling Uncertainty in Local US Adaptation Planning”. **Journal of Planning Education and Research**.

Dagnachew Adugna, and Larissa Larsen (2017) “Low-cost stormwater filtration system to improve urban water quality: The case of Addis Ababa, Ethiopia”, **Journal of Water Resources and Protection**, 9 (692-705).

Rajkovich, Nicholas B. and Larsen, Larissa (2016) “A Bicycle-Based Field Measurement System for the Study of Thermal Exposure in Cuyahoga County, Ohio, USA”, **International Journal of Environmental Research and Public Health** 13.

Larsen, Larissa (2015) “Urban climate and adaptation strategies”, **Frontiers of Ecology and the Environment** 13(9), 486-492.

Coseo, Paul, and Larsen, Larissa. (2014) “How Factors of Land Use/Land Cover, Building Configuration, and Adjacent Heat Sources and Sinks Explain Urban Heat Islands in Chicago”, **Landscape and Urban Planning**, Volume 125, 117-129.

Larissa Larsen, Laura Sherman, Laura Smith, Darshan Karwat, Krista Badiane, & Paul Coseo. (2014) “Social Justice and Sustainability in Poor Neighborhoods: Learning and Living in Southwest Detroit”, **Journal of Planning Education and Research**, Vol 34(5): 5-18).

Larissa Larsen (2012) “Behind the Green Curtain: Shifting Goals and Shifting Roles”, **Planning Theory and Practice**, Volume 13, Issue 1: 170-172.

Pyke, Chris, Sean McMahon, Larissa Larsen, Nicholas B. Rajkovich, and Adam Rohloff. (2012) "Development and Analysis of Climate Sensitivity and Climate Adaptation Opportunities Indices for Green Buildings." **Building and Environment**, Volume 55: 141-149.

Kathryn C Conlon, Nicholas B Rajkovich, Jalonne L White-Newsome, Larissa Larsen, Marie S O'Neill (2011) Preventing cold-related morbidity and mortality in a changing climate,” **Maturitas**, Volume 69 (3): 197-202.

Sharon L Harlan, Scott T.Yabiku, Larissa Larsen, and Anthony J. Brazel (2009) “Household Water Consumption in an Arid City: Affluence, Affordance, and Attitudes”, **Society and Natural Resources**, Volume 22: 691-709.

Harlan, S.L., Brazel, A.J., Jenerette, G.D., Jones, N., Larsen, L., Preshad, L., Stefanov, W.L. (2008) “In the Shade of Affluence: The Inequitable Distribution of the Urban Heat Island”, **Research in Social Problems and Public Policy**, Equity and the Environment, Volume 15:173-202.

Larsen, L. & Alameddin, D. (2007) "The Evolution of Early Phoenix: Valley Business Elite, Land Speculation, and the Emergence of Planning", **The Journal of Planning History** 6(2):87-113.

Gee, Gilbert C., Lively, Kathryn J. Lively, Larsen, Larissa, Keith, Jennifer, Stone, Jana, & MacLeod, Kara. (2007) "Hungry for Respect: Discrimination Among Adults Using Emergency Food Services", **Journal of Health Disparities Research and Practice**, Volume 2, Number 1, pp. 1-20

Taylor, J. J., Brown, D.G., & Larsen, L. (2007) "Preserving natural features: A GIS-based evaluation of a local open-space ordinance", **Landscape and Urban Planning** 82: 1-16.

Jenerette, G.D., Harlan, S., Brazel, A., Jones, N., Larsen, L., & Stefanov, W. L. (2007) "Regional relationships between surface temperature, vegetation, and human settlement in a rapidly urbanizing ecosystem", **Landscape Ecology**, 22: 353-365.

Jenerette, G.D., & Larsen, L. (2006) "A global perspective on changing sustainable urban water supplies," **Global and Planetary Change**, Vol. 50, 202-211.

Larsen, L., & Harlan, S. (2006) "Desert Dreamscapes: Landscape Preference and Landscape Behavior", **Landscape and Urban Planning**, Vol 78: 85-100.

Larsen, L. & Swanbrow, L. (2006) "Postcards of Phoenix: Images of Desert Ambivalence and Homogeneity", **Landscape Journal** 25(2): 205-217

Harlan, S. L., Brazil, A.J., Prashad, L., Stefanov, W. & Larsen, L. (2006) "Neighborhood Microclimates and Vulnerability to Heat Stress", **Social Science and Medicine**, Vol. 63: 2847-2863.

Kirby, A.; Harlan, S.L.; Larsen, L.; Hackett, E.; Bolin, B.; Nelson, A.; Rex, T.; & Wolf, S. (2006) "Examining the Significance of Housing Enclaves in the Metropolitan United States of America", **Housing Theory and Society**, Vol 23, Number 1, 19-33.

Larsen, L., Harlan, S., Bolin, B., Hackett, E., Hope, D., Kirby, A., Nelson, A., Rex, T., & Wolf, S. (2004) "Bonding and Bridging: Understanding the Relationship Between Social Capital and Civic Action," **The Journal of Planning Education and Research**, 24: 64-77.

Larsen, L., Poortinga, E., & Hurdle, D. (2004) "Sleeping Rough: Differences Between Shelter Users and Non-Users in Phoenix," **Environment and Behavior**, Vol. 36, Number 4, pp. 578-591.

Larsen, L., Adams, J., Deal, B., Kweon, B., & Tyler, E. (1998) "Plants in the workplace: The effects of plant density on task performance, attitudes and perceptions." **Environment and Behavior**, Vol. 30, No. 3., pp.261-281.

Daitch, V., Kweon, B., Larsen, L., Tyler, E., & Vining, J. (1996) "Personal environmental histories: Reflection of self and place." in **Human Ecology Review**, Volume 3, No. 1, pp. 19-30.

Book Chapters

Hill, Kristina and Larsen, Larissa (2013). Adaptive Urbanism, in Duany, Andres and Talen, Emily (eds.) **Landscape Urbanism and Its Discontents: Dissimulating the Sustainable City**. New Society Press: Gabriola Island, British Columbia (215-230).

Arquero de Alarcon, M., and Larsen, L. 2015. Mapping Delray: Understanding the Changes in this Southwest Detroit Community in June Manning-Thomas and Henco Bekkering (editors) **Mapping Detroit**. Wayne State Press: Detroit, Michigan.

Grants

Recent External Funding

ORSP #: 23259000

Funding Source: National Science Foundation- International Research Experiences for Students (IRES)

Principal Investigator with Nancy Love, Branko Kerkez, and Valeria Bertacco, UM Engineering

Project Title: Advancing Cyber-Enabled, Decentralized Water Systems in Rapidly Developing Cities

University of Michigan and Addis Ababa University, Ethiopia

Amount Received: \$249,989

Project Start and End Dates: Should start in June/July 2017 – June 2021

Percent of time devoted to project: 5%

ORSP # 1520803--Subaward RG098-G2,

Funding Source: National Science Foundation, Hazards SEES

Stone, Brian (PI), Larsen (Co-I) 08/15/15-07/31/19

Project Title: Enhancing emergency preparedness for critical infrastructure failure during extreme heat events

Amount Received \$2,400,000 (Larsen's share \$107,000)

The goal of this project is to estimate mortality and morbidity associated with simulated grid failure events during heat wave conditions in the cities of Atlanta, Detroit, and Phoenix, in response to current and future climate conditions, and to assess the effectiveness of specific environmental, technological, and behavioral adaptations in mitigating a growing heat hazard

ORSP # 13-PAF04719 (895700)

Funding Source: Health and Human Services, Department of National Institutes of Health

Project Title: Community Action to Promote Healthy Environments: Addressing Community Exposures to Air Pollutants

Amount Received: \$2,822,814.00

Project Start and End Dates 12/16/2013 – 10/31/2018

Percent of time devoted to project 5%

Status: Funded

Amy Schulz and Stuart Batterman (PIs), Barbara Israel and Larissa Larsen (Co PIs)

ORSP # 11-PAF01217

Funding Source: National Institute of Health: Climate Change and Human Health PAR-10-235

Project Title: Climate Change and Health: Residential Energy Efficiency for Comfort and Equity

Amount Received: \$410,000

Project Start and End Dates: 5.17.12 to 12.30.2105.

Principal Investigators: Marie O'Neill (Public Health) and Larissa Larsen

Collaborators: Richard Rood (Atmospheric Science) and Veronica Berrocal (Biostatistics)

Recent Internal Funding Sources

University Unit Providing the Support: Dow Distinguished Award Seed Grant, Graham Institute for Environmental Sustainability

Project Title: **Estimating Impacts of Proposed Development on Urban Water Infrastructure in Addis Ababa, Ethiopia.**

Amount Received: \$5,000

Project Start /End Dates: May 2019 – January 2020

Percent of time devoted to project: 0 %

Status: Current

Indicate whether you are the P.I. or a collaborator and your role in the work:

Principle Investigator/Student Advisor

Research Through Planning, Taubman College of Architecture and Urban Planning, University of Michigan

Project: Prioritization of Stormwater Interventions by Subwatershed in Addis Ababa, Ethiopia

Amount Received: \$4,992

Project Start and End Dates: April 2017 – March 2018

Principal Investigator: Larissa Larsen

African Studies Center, University of Michigan

Project Title: Mapping Land Cover in Addis Ababa, Ethiopia

Amount Received: \$6,000

Project Start and End Dates: May 2016-December 2016

Percent of time devoted to project: 50% Summer

Status: current or pending: Current

Principal Investigator overseeing a collaborative project involving students and planning faculty from the University of Michigan, Ethiopian Institute of Architecture, Building Construction, and City Planning (EiABC), Addis Ababa University, as well as representatives from Addis Ababa city government.

Research Through Planning, Taubman College of Architecture and Urban Planning, University of Michigan

Project: Land Use Mapping in Addis Ababa, Ethiopia

Amount Received: \$4,800

Project Start and End Dates: April 2016 – March 2017

Principal Investigator: Larissa Larsen

Ethiopia-Michigan Platform for Advancing Collaborative Engagement (EM-PACE)

Provost's Office

Project Title: Context Appropriate Stormwater Solutions

Amount Received: \$9,500

Project Start and End Dates: 2014-2015

Principal Investigator: Larissa Larsen

Graham Environmental Sustainability Institute & Kresge Foundation

Project Title: Great Lake Cities Climate Adaptation Planning

Amount Received: \$1,200,000 (over 3 years)

Project Start and End Dates: 2011 to 2014

Principal Investigator along with Arun Agarwal (SNRE), Elisabeth Gerber (Public Policy), Maria Carmen Lemos (SNRE), Marie O'Neill (Public Health), & Ricky Rood (OASS).

Professional Design Work

Design Competition Awards

Work Play Design Competition 2008 for Redesigning the North Campus Public Space–

1st Prize (tied) – “C”ing Energy (design highlighting renewable energy sources with interactive elements and native landscaping)

Team Members: Joe Trumpey (faculty, Art and Design), Scott Curry (graduate student, MUP), Mark Hunter (faculty, School of Natural Resources and Environment), Larissa Larsen (faculty, URP), Andrew Sell (undergraduate student, Art and Design), and Jeremy Semrau (faculty, Engineering)

Selected from 31 entries in a juried competition

National SIPA 1995 Professional Design Competition - December 1995

First Place

Building Design Category: The ‘Green’ Neighborhood - Military Family Neighborhood Development (150 dwelling units), Fort Hood, Texas

Team Members: J. Adams, A. Chalifoux, B. Deal, & L. Larsen

The competition, sponsored by the **US Department of Energy**, honors the best in energy-efficient and affordable buildings.

Society for Human Ecology Distinguished Leadership Award - October 1997

Awarded for my efforts to promote the Society by initiating and organizing an international student paper competition.

Awards for Teaching

2017-2018 Teaching Award for the Urban and Regional Planning Program (elected by students)

2013-2015 Distinguished University of Michigan Faculty Fellow of Sustainability, The Graham Environmental Sustainability Institute.

2010 -2011 Teaching Award for the Urban and Regional Planning Program (elected by students)

2009-2010 Teaching Award for the Urban and Regional Planning Program (elected by students)

2008-2009 Teaching Award for the Urban and Regional Planning Program (elected by students)

2007-2008 Teaching Award for the Urban and Regional Planning Program (elected by students)

2005-2006 Teaching Award for the School of Natural Resources and Environment (elected by students)

Excellent Teaching Designation – Spring 1996

Results of student ratings in a campus-wide evaluation

Teaching Assistantship for Landscape Architecture Design Studio

The University of Illinois at Urbana-Champaign