

Jessica Debats Garrison

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EDUCATION

- 2016 **PhD, Urban and Regional Planning, MIT**
Teaching Certificate, MIT Teaching and Learning Lab
- 2010 **Master of Urban and Regional Planning, UCI**
- 2007 **California Preliminary Single Subject Teaching Credential in Social Science and English, UCI**
- 2006 **MA, United States History, UCLA**
- 2005 **BA, History, UCI**

ACADEMIC APPOINTMENTS

- 2018 - present **Lecturer, Urban Studies and Planning, UCSD**
- 2018 - present **Lecturer, Urban Planning and Public Policy, UCI**
- 2016 - present **Director, Campus as a Living Lab, UCI**
- 2016 - 2017 **Associate Director, Sustainability Initiative, UCI**
- 2015 - 2016 **Doctoral Associate, Special Program for Urban and Regional Studies, MIT**

PUBLICATIONS

Peer-Reviewed Journal Articles

Garrison JD (2018, online first) Environmental justice in theory and practice: measuring the equity outcomes of Los Angeles and New York's "Million Trees" campaigns. *Journal of Planning Education and Research*, doi.org/10.1177/0739456X18772072.

Garrison JD (2017, online first) Seeing the park for the trees: New York’s “Million Trees” campaign vs. the deep roots of environmental inequality. *Environment and Planning B: Urban Analytics and City Science*, doi.org/10.1177/2399808317737071.

Shi L, Chu E, Anguelovski I, Aylett A, **Debats J**, Goh K, Schenk T, Seto K, Dodman D, Roberts D, Roberts JT, and VanDeveer S (2016) Roadmap towards justice in urban climate adaptation research. *Nature Climate Change* 6(2): 131–137.

Shi L, Chu E, and **Debats J** (2015) Explaining progress in climate adaptation planning across 156 U.S. municipalities. *Journal of the American Planning Association* 81(3): 191–202.

Book Chapters

Shi L, Chu E, and **Garrison JD** (2018, in press) Explaining progress in climate adaptation planning across 156 U.S. municipalities. In: Hamin E, Abunnasr Y, and Ryan RL (eds.) *Planning for Climate Change: A Reader in Green Infrastructure and Sustainable Design for Resilient Cities*. New York: Routledge Press.

Manuscripts

Garrison JD and Huxman T (in review) A tale of two suburbias: turning up the heat in Southern California’s flammable wildland-urban interface. *Cities*, proposed special issue on regional planning, growth, and equity in the 21st century American West.

Garrison JD and Huxman T (in preparation) Rising temperatures and growing inequality: wildfire and environmental justice in Orange County’s wildland-urban interface. *Journal of the American Planning Association*.

Conference and Workshop Papers

Garrison JD and Huxman T (2018) Wildfire and environmental justice in Southern California’s wildland-urban interface. *Workshop on Regional Planning, Growth, and Equity in the 21st Century American West*, University of Colorado Denver, Department of Urban and Regional Planning, May 18.

Garrison JD and Huxman T (2017) Fire risk and environmental justice in the wildland-urban interface. *Association of Collegiate Schools of Planning*, Denver, CO, October 12-15.

Debats J (2015) Seeing the city for the trees: public space, climate adaptation, and environmental justice in LA and New York’s “Million Trees” campaigns. *Society for American City and Regional Planning History*, Los Angeles, CA, November 5-8.

Debats J (2015) Seeing the city for the trees: public space, climate adaptation, and environmental justice in LA and New York’s “Million Trees” campaigns. *Association of Collegiate Schools of Planning*, Houston, TX, October 22-25.

Reports

Carmin J, **Debats J**, Chu E, and Shi L (2015) Multiple chapters in *Climate Change Adaptation Sourcebook for Small and Medium Sized Cities in Latin America and the Caribbean*. Washington, DC: World Bank.

Debats J, Brendle A, and Parsons K (2010) *Orange County Community Indicators: Sustainability*. Orange County, CA: Orange County Community Indicators.

Reviews

Debats, J (2013) Review of *Environmental Inequalities Beyond Borders: Local Perspectives on Global Injustices*, edited by JoAnn Carmin and Julian Agyeman. *Anthem EnviroExperts Review*, June 24.

GRANTS AND HONORS

2017	Faculty Grant for Curriculum Development, Strategic Energy Innovations
2015 - 2016	Environmental Justice Research Fellowship, Bentley University
2015	Fellowship in Urban Forestry, Garden Club of America
2015	Fellowship in Urban Forestry, Casey Trees
2014 - 2015	Martin Family Sustainability Fellowship, MIT
2014	William Emerson Travel Grant, MIT
2014	Campus Sustainability Data and Metrics Fellowship, MIT
2012 - 2014	Graduate Fellowship, MIT Department of Urban Studies and Planning
2011 - 2012	Energy Initiative Fellowship, MIT
2010	International President’s Legacy Scholarship, Women’s Transportation Seminar
2009 - 2010	Continuing Student Scholarship, California Planning Foundation
2009 - 2010	County Planning Directors’ Scholarship, California Planning Foundation
2009 - 2010	Scholarship, Association of Environmental Professionals
2008	Public Service Fellowship, City of Anaheim, CA
2008	Advisory Board Scholarship, UCI Department of Planning, Policy, and Design
2005 - 2006	Chancellor’s Fellowship, UCLA
2005	Summa Cum Laude, UCI
2005	First Place Honors Thesis, UCI School of Humanities
2001 - 2005	Regents’ Scholarship, UCI
2001	UCI Foundation Scholarship
2001	California Governor’s Scholarship

INVITED TALKS

- 2018 *Environmental Injustice: What Is It, How Do We Prove It, and Why Is It Happening?* March for Science, Los Angeles Alliance for Science, April 14.
- 2018 *What Academics Can Do About Climate Change*, Local Climate Action Panel, Climatepedia, UCI, January 30.
- 2016 *Finding the “Green” in Orange County: Sustainability, Social Justice, and Community-Engaged Scholarship*, Sustainability Initiative, UCI, June 6.
- 2016 *Urban Climate Adaptation*, School of Public Policy and Urban Affairs, Northeastern University, March 15.
- 2016 *Seeing the City for the Trees: Public Green Space, Climate Adaptation, and Environmental Justice*, Department of Human Ecology, UC Davis, March 7.
- 2016 *Seeing the City for the Trees: Public Green Space, Climate Adaptation, and Environmental Justice*, Department of Planning, Policy, and Design, UCI, February 9.

COURSES TAUGHT

UCSD Urban Studies and Planning

Design of Social Research: Quantitative, Qualitative, and Spatial Methods, undergraduate course (lecturer, Winter 2019)

Introduction to Urban Planning, undergraduate course (lecturer, Spring 2019)

Climate Action Planning: Mitigation, Adaptation, and Justice, undergraduate course (lecturer, Spring 2019)

UCI Urban Planning and Public Policy

Analytical Methods for Planning, graduate course (lecturer, Fall 2018)

Geographic Information Systems, graduate course (lecturer, Winter 2019)

UCI Center for Environmental Biology

Campus as a Living Lab, year-long undergraduate seminar and on-campus internship program (instructor, 2016-2017, 2017-2018, 2018-2019)

Climate Action Planning, undergraduate seminar (instructor, Winter 2017)

MIT Special Program for Urban and Regional Studies

Myths About America, graduate seminar (instructor, Spring 2016)

Climate Change Adaptation and Mitigation, graduate seminar (instructor, Fall 2015)

Development, Planning, and Implementation, graduate course (TA, Fall 2015)

MIT Department of Urban Studies and Planning

Quantitative Reasoning and Statistical Methods, graduate course (lab instructor/TA, Spring 2014)

Geographic Information Systems, graduate course (lab instructor/TA, Fall 2013)

Introduction to Spatial Analysis, graduate course (lab instructor/TA, Fall 2013)

Doctoral Research Methods, graduate course (TA, Spring 2013)

Thesis Preparation, graduate course (TA, Fall 2012)

RESEARCH AND PROFESSIONAL EXPERIENCE

- 2014 - 2015 Research Affiliate, Resilient Cities Housing Initiative, MIT
- 2014 - 2015 Research Affiliate, Urban Sustainability Assessment Project, MIT
- 2014 Data and Metrics Research Fellow, Office of Sustainability, MIT
- 2013 - 2014 Consultant, Urban and Disaster Risk Management Unit for Latin America and the Caribbean, World Bank
- 2010 - 2011 Air Quality Staff Specialist, AECOM, Orange, CA
- 2009 - 2010 Environmental Services and GIS Specialist, BonTerra, Costa Mesa, CA
- 2009 – 2010 Consultant, Orange County Community Indicators, Irvine, CA

GRADUATE STUDENT ADVISING

- 2018 – 2019 Amos Zerah (Conservation and Restoration Science), UCI Carbon Neutrality Initiative Sustainability Culture and Outreach Fellow
- 2016 - 2017 Noemi Linares-Ramirez (Sociology), UCI Indigenous Environmental Issues Fellow
- 2016 - 2017 Michael Leo (Education), UC Carbon Neutrality Initiative Fellow

ACADEMIC SERVICE AND LEADERSHIP

- 2017 - present Review manuscripts for *Journal of Planning Education and Research*
- 2018 - 2019 Evaluate research-based pedagogical strategies as member of Active Learning Institute, UCI Division of Teaching Excellence and Innovation
- 2017 - 2018 Documented campus sustainability for certification by AASHE STARS; contributed to UCI's first-ever platinum rating

2017 - 2018	Facilitated interdisciplinarity and provided doctoral student advising and professional development as member of UCI's Ecology Group
2017	Co-organized UCI "Headwaters to Oceans" (H2O) Conference
2017 - 2018	Evaluated research-based pedagogical strategies as member of Faculty Pedagogical Reading Group, UCI Division of Teaching Excellence and Innovation
2016 - 2018	Managed online content during initial rollout of UC Climate and Sustainability Education Resource Library (CSERL)
2012 - 2013	Co-chaired MIT Global Sustainability Working Group

RELATED PROFESSIONAL SKILLS

Geographic information systems (ArcGIS, GeoDa, Google Earth, CalEnviroScreen, and EJSCREEN)
 Quantitative data analysis and statistical software (Stata and Excel)
 Qualitative data collection and analysis software (NVivo, Google Forms, and Survey Monkey)
 Outreach software (Mail Chimp)
 Experience writing EIRS and conducting air quality modeling per requirements of CEQA/NEPA

PROFESSIONAL MEMBERSHIPS

Association of Collegiate Schools of Planning

LANGUAGES

French (excellent reading and writing, and proficient speaking)