

Anthony M. Levenda

Department of Geography and Environmental Sustainability
University of Oklahoma
100 East Boyd St
SEC Suite 510
Norman, OK 73019

708-334-0844
anthonylevenda@gmail.com
anthonylevenda.io
@amlevenda

ACADEMIC APPOINTMENTS

- 2019- Assistant Professor, Department of Geography and Environmental Sustainability, University of Oklahoma, Norman, OK.
- 2018-2019 Postdoctoral Research Associate, School for the Future of Innovation in Society, Arizona State University, Tempe, AZ.
- 2017-2018 Postdoctoral Fellow, Department of Geography, University of Calgary, Calgary, AB.

EDUCATION

- 2016 Ph.D. Urban Studies and Planning, Portland State University
+ Graduate Certificate in Energy Policy and Management
- 2010 M.S. Environmental Engineering, University of Illinois, Urbana-Champaign
+ Graduate Certificate in Energy and Sustainability Engineering
- 2009 B.S. Mechanical Engineering, University of Illinois Urbana-Champaign

PUBLICATIONS

Edited Books

- Forthcoming Rice, Jennifer, Josh Long, and Anthony M. Levenda (eds) *Urban Climate Justice: Theory, Methods, Resistance*. Athens: UGA Press. (Under Contract).

Peer-reviewed Journal Articles

- 2020 **Levenda, Anthony M.** & Ingrid Behrsin. "Renewable Energy for Whom? A systematic review." *Energy Research and Social Science*. (Online First)
- 2020 Boucher, Jean B., **Anthony M. Levenda**, Jorge Morales-Guerrero, Darshan MK Karwat. "Engineers and Scientists Addressing Environmental Injustice: Incentives, Barriers, and Potential." *Earth's Future*. (Online First)
- 2020 Sadowski, Jathan and **Anthony M. Levenda**. "The techno-politics of smart energy regimes." *Political Geography*. (Online First)
- 2020 **Levenda, Anthony M.**, Noel Keough, Melanie Rock, and Byron Miller. "Rethinking 'public' participation in the smart city." *The Canadian Geographer*. (Online First).
- 2020 **Levenda, Anthony M.** and Eliot Tretter. "The Environmentalization of Urban Entrepreneurialism: From Technopolis to Start-Up City." *Environment and Planning A* 52(3): 490-509.
- 2019 **Levenda, Anthony M.** "Thinking critically about smart city experimentation." *Local Environment* 24(7): 565-579.
- 2019 Nciri, Aida and **Anthony M. Levenda**. "Urban Policy (im)mobilities and Refractory Policy Lessons: Experimenting with the Sustainability Fix in Alberta." *Urban Geography*. (Online First).

- 2019 **Levenda, Anthony M.** and Dillon Mahmoudi. "Silicon Forests and Server Farms." *Culture Machine*. Volume 18.
- 2019 **Levenda, Anthony M.** "Mobilizing Smart Grid Experiments: Policy Mobilities and Urban Energy Governance." *Environment & Planning C* 37(4):634-651.
- 2019 **Levenda, Anthony M.**, Jennifer Richter, Thaddeus Miller, and Erik Fisher. "Regional Energy Imaginaries and the Governance of Innovation." *Futures* 109 (May 2019): 181-191.
- 2016 Mahmoudi, Dillon and **Anthony M. Levenda**. "Beyond the Screen: Uneven Geographies, Digital Labour, and the City of Cognitive-Cultural Capitalism." *tripleC: Communication, Capital and Critique* 14 (1) (February): 99-120.
- 2015 **Levenda, Anthony M.**, Dillon Mahmoudi, and Gerald Sussman. "The Neoliberal Politics of 'Smart': Electricity Consumption, Household Monitoring, and the Enterprise Form." *Canadian Journal of Communication* 40 (4) (November): 615-636.

Special Issues Edited

- Forthcoming Miller, Byron, Ryan Burns, Victoria Fast, and **Anthony M. Levenda**. "Smart Cities: Between Worlding and Provincializing." *Urban Studies*. (Accepted, 8 papers accepted).
- Forthcoming Behrsin, Ingrid, Sarah Knuth, **Anthony M. Levenda**, and James McCarthy. "Critical Renewabilities: Political ecologies and economies of renewable energy." *Environment and Planning E*. (Accepted, papers under review).

Conference Proceedings (with Peer Review)

- 2012 Lutzenhiser, Loren, Mithra Moezzi, Huafen Hu, **Anthony M. Levenda**, and James Woods. 2012. "Lifestyles, Buildings and Technologies: What Matters Most?" *ACEEE Summer Study*: 2-256-270.

Book Chapters

- Forthcoming Jennifer Rice, **Anthony M. Levenda**, and Josh Long. "Realizing the just city in the era of climate change: The urban politics of climate (in)security and (in)equality" In *Urban Climate Justice: Theory, Methods, Resistance*.
- Forthcoming **Levenda, Anthony M.**, Josh Long, and Jennifer Rice. "Horizons of climate justice in the city" In *Urban Climate Justice: Theory, Methods, Resistance*.
- Forthcoming **Levenda, Anthony M.** "Energy and Environmental Justice: Critical perspectives." In *Handbook of Energy Justice*. Ed. Stefan Bouzarovski, Sara Fuller, Tony Reames.
- Forthcoming **Levenda, Anthony M.** and Zbigniew Grabowski. "Building Data Infrastructures, Building Nature." In *Nature of Data*. Eds. Eric Nost & Jenny Goldstein.
- Forthcoming Long, Josh, Jennifer Rice, and **Anthony M. Levenda**. "Just Climate Urbanism" In *Climate Urbanism*. Eds. Vanesa Castan Broto and Enora Robin.
- Forthcoming Mahmoudi, Dillon, **Anthony M. Levenda**, and John Stehlin. "Political Ecologies of Platform Urbanism." *Platform Urbanism*. Eds. John Stehlin and Mike Hodson.
- 2017 Miller, Thaddeus R. and **Anthony M. Levenda**. "The Techno-politics of Urban Sustainability Transitions." In *Urban Sustainability Transitions*. Eds. Niki Frantzeskaki, Lars Coenen, Vanesa Castán Broto, Derk Loorbach. New York and London: Routledge.
- 2017 **Levenda, Anthony M.** "Living labs for the smart grid: experimentation, governmentality, and urban energy transitions." In *Urban Living Labs, Experimentation, and Socio-technical Transitions*. Eds. Kes McCormick, Simon Marvin, James Evans, Harriet Bulkeley, Yuliya Voytenko. New York and London: Routledge.

Encyclopedia Entries

- 2018 **Levenda, Anthony M.** "Smart Grid." Forthcoming in *Sage Encyclopedia of the Internet*. Ed. Barney Warf.
- 2013 **Levenda, Anthony M.** and Tugrul Daim. "Renewable Distributed Energy Generation: Major Barriers." *Encyclopedia of Energy Engineering and Technology*. Ed. Sohail Anwar. Taylor & Francis. doi:10.1081/E-EEE2- 120050102

Book Reviews

- 2014 **Levenda, Anthony M.** "Review of Fluid New York: Cosmopolitan Urbanism and the Green Imagination by May Joseph." *Urban Studies*, 51(14), 3115-3118.
- 2014 **Levenda, Anthony M.** 2014. "Review of The Future of Planning: Beyond Growth Dependence by Yvonne Rydin." *Urban Research and Practice*, 7(12): 250-252.
- 2014 **Levenda, Anthony M.** 2014. "Review of Lifeblood: Oil, Freedom, and the Forces of Capital by Matthew T. Huber." *Capital & Class*, June, 38: 464-467.

Manuscripts in Review

- Forthcoming Long, Joshua, Jennifer Rice, **Anthony M Levenda.** "Against Climate Apartheid." *Environment and Planning E*. (Revisions submitted)
- Forthcoming Boucher, Jean B., **Anthony M. Levenda**, Caleb Carpenter, Jorge Morales-Guerrero, Darshan MK Karwat. "Identifying Areas that could Benefit from Community-Focused Engineering: A Neighborhood Deficit and Asset Score for Phoenix, Arizona." *Local Environment*. (Revisions submitted)
- Forthcoming Behrsin, Ingrid, Sarah Knuth, and **Anthony M. Levenda.** "Thirty States of Renewability: Controversial energies and the politics of incumbent industry." (Under review)
- Forthcoming Burns, Ryan, Victoria Fast, **Anthony M. Levenda** and Byron Miller. "Smart Cities: Between Worlding and Provincializing." (Under review)
- Forthcoming Miller, Byron, Ryan Burns, Victoria Fast, **Anthony M. Levenda**, and Kevin Ward. "Global Comparative Research on Smart Cities: A critical agenda." (Under review)

Other Publications

- 2016 Lutzenhiser, Loren, **Anthony M. Levenda**, and Aaron Ingle. November 5th. "Surprises in Energy Consumption and Greenhouse Gas Emissions Related to Urban Infill." Center for Urban Studies. Portland State University.
- 2016 Bhattacharyya, Abhishek, **Anthony M. Levenda**, and Matt Canfield. March 3rd. "#WeAreWorkers." Academe Blog: The blog of the Academe magazine.
- 2015 Levenda, Anthony M. and CC Huang. October. "Smart and Green Guidelines Case Study: The Pearl District." Energy Innovation, LLC.

GRANTS, SCHOLARSHIPS & AWARDS

External Research Awards

- 2020-2022 \$299,750. Advancing Informal Science Learning, NSF. *RESTING SAFE: Collaborative Informal STEM Learning Between Researchers and Homeless Communities*. **Role: Co-PI**. Research Team: Christine Hawn (PI), Erin Goodling, Melanie Malone, Dillon Mahmoudi, Nathan McClintock, Lisa Fay.

- 2019-2022 \$2,190,667. National Academies of Sciences Gulf Research Program. *Making Gulf Communities Resilient: Scaling Up Customized Vulnerability Assessment to Extreme Events in Gulf Cities*. [\$554,569 subcontract to OU]. **Role: Co-PI.** Research Team: Maria Carmen Lemos (PI), Jenna Jorns, Mark Shafer, Gabrielle Wong-Parodi, Patty Gude.
- 2020-2022 \$200,000 (CAD). SSHRC, Partnership Development Grant, University of Calgary. *Smart Cities in Global Comparative Perspective: Worlding and Provincializing Relationships*. **Role: Collaborator.** PI: Byron Miller.
- 2017-2018 \$5,000 (CAD). SSHRC, Partnership Seed Grant, University of Calgary. *Scaling Local Non-academic Partnerships to Support Global Comparative Smart Cities Research*. **Role: Co-Applicant.** PI: Byron Miller.

Internal Research Awards

- 2020-2021 \$5,000. OU Humanities Forum Fellowship. *Rupturing Pipelines and Reconciling Risk*. **Role: PI.** (with Tyler McCreary).
- 2017-2018 \$27,600 (CAD). Andrew W. Mellon Foundation: Academic Research and University Libraries: Creating a New Model for Collaboration. University of Calgary. *Open Data for a Smarter City: Creating A Data Infrastructure Pilot Initiative*. **Role: Co-Applicant.** Research team: Ryan Burns (PI), Victoria Fast, Eliot Tretter, Steve Liang, Dean Curran, Alex Whalley.
- 2017-2018 \$3,000 (CAD). Calgary Institute for the Humanities Interdisciplinary Working Group. *Social Justice in the Smart City*. **Role: PI.** Conveners: Victoria Fast, Byron Miller, Ryan Burns, Dean Curran, Matt Patterson, Elizabeth Paris, Frank Towers, Alan Smart.

Fellowships and Scholarships

- 2017 International Visiting Fellowship. DEMAND Centre, Lancaster University, UK.
- 2016 Smart Cities Scholarship, PSU. Amount: \$4,000.
- 2015 Chapman Sustainability Scholarship, PSU. Amount: \$1,000.
- 2015 Oregon Fellowship, Center for Public Service, PSU. Amount: \$5,000.
- 2014-2016 Laurels Graduate Award, PSU. Amount: \$5,000 per annum.
- 2014 Oregon Fellowship, Center for Public Service, PSU. Amount: \$5,000.
- 2011 President's Scholarship, PSU. Amount: \$7,500.
- 2010-2014 Green Building Research Laboratory Fellowship, PSU. Amount: \$90,000.

INVITED TALKS AND WORKSHOPS

- 2020 "Critical Renewabilities and Environmental Justice." School of Urban Planning, University of Michigan.
- 2019 "Engaging the Smart City through Data Walks." Calgary Institute for the Humanities.
- 2018 Summer Institute on Urban Studies. Manchester Urban Institute. University of Manchester. Singapore. (deferred)
- 2017 "Making Grids Smart, Making Smart Consumers," Lancaster Environment Centre, Lancaster University, UK.
- 2017 "Configuring the Urban Smart Grid: Transitions, Experimentation, Governance," DEMAND Centre, Lancaster University, UK.
- 2017 "Smart Grids in the City," Occasional Talk series at the School for the Future of Innovation in Society, Arizona State University, AZ.
- 2016 Critical Perspectives on Urban Infrastructure, Institute of Advanced Studies, University College London, UK.

- 2016 GUST InfraLab and Urban Living Labs Workshop, Durham University, UK.
- 2015 Urban Beyond Measure: Registering Urban Environments in the Global South, Stanford University, CA.
- 2015 Authors Meets Critics Fellowship, International Journal of Urban and Regional Research and the Urban Studies Foundation.
- 2014 Situated Urban Political Ecologies (SUPE): Urban Political Ecology in African Cities, University of Pretoria, South Africa.
- 2014 Environmental Sociology/STS NSF Summer Training Seminar, Professor David J. Hess, Vanderbilt University, Nashville, TN.

CONFERENCE ACTIVITY

Conferences Organized

- 2016 Space of Struggle: Radical Planning Mini-Conference, November 2nd, Portland, OR.
- 2015 Critical Geographies Mini-Conference, November 14th, Portland, OR.
- 2015 Practicing Political Ecology, May 7th, Berkeley, CA.

Panels Organized

- 2020 "Critical Renewabilities: Political Ecologies of Renewable Energy," (with Ingrid Behrsin, Sarah Knuth, and James McCarthy). Annual Conference of the American Association of Geographers (AAG). Denver, CO. (postponed).
- 2020 "Decarbonization without Dispossession? Just transitions against/beyond racial capitalism," (with Jesse Goldstein). Dimensions of Political Ecology (DOPE). Lexington, KY.
- 2019 "Theorizing the Just City in the Era of Climate Change," (with Jennifer Rice and Josh Long). Annual Conference of the American Association of Geographers (AAG). Washington, DC.
- 2019 "Critical Environmental Justice," (with Erin Goodling, Dean Hardy, and Ellen Kohl). Annual Conference of the American Association of Geographers (AAG). Washington, DC.
- 2018 "The Urban Material Politics of Decarbonization and Resilience," (with Sarah Knuth, Laura Tozer, and John Stehlin). Annual Conference of the American Association of Geographers (AAG). New Orleans, LA.
- 2018 "Making Smart Environments," (with Ryan Burns). Annual Conference of the American Association of Geographers (AAG). New Orleans, LA.
- 2018 "Urban Decarbonization, Infrastructure, and Politics," (with Laura Tozer). Urban Affairs Association Conference. Toronto, ON, Canada.
- 2017 "Practicing Urban Planning," Annual Meeting of the Society for the Social Studies of Science (4S). Boston, MA.
- 2017 "Critical Geographies of Energy Infrastructure (4 sessions)" (with Sarah Knuth, Ingrid Behrsin, and Laura Tozer). Annual Conference of the American Association of Geographers (AAG). Boston, MA.
- 2016 "Importing and Exporting Worldly Urbanism: The Challenges of Studying the Global Circulation of City Models, Best Practices and Imaginaries" (with David Sadoway). International Sociological Association RC21 Conference. Mexico City, Mexico.
- 2016 "Political Ecologies of Technology" (with Eric Nost, Heather Rosenfeld, Dillon Mahmoudi, and Ashton Wesner). Annual Conference of the Association of American Geographers (AAG). San Francisco, CA.
- 2015 "Practical Challenges and Opportunities of Interdisciplinarity" (with Jen Sedell). Practicing Political Ecology Workshop. Berkeley, CA.

2015 "Everyday Geographies of Global-Urban Infrastructures of Energy" (with Jonathan Silver). Annual Conference of the American Association of Geographers (AAG). Chicago, IL.

Papers Presented (Selected)

- 2020 Levenda, Anthony M. and Ingrid Behrsin. "The problem of environmental justice in renewable portfolio standards: Takeaways for a just transition." Dimensions of Political Ecology Conference (DOPE). Lexington, KY.
- 2019 Rice, Jennifer, Josh Long and Anthony M Levenda. "Theorizing the just city in the era of climate change." Annual Meeting of the American Association of Geographers (AAG). Washington, DC.
- 2019 Baran, Ian and Anthony M. Levenda. "The role of EIAs in prison abolition movements." Annual Meeting of the American Association of Geographers (AAG). Washington, DC.
- 2019 Levenda, Anthony M. "Policy mobilities: What's next?" Panelist. Annual Meeting of the American Association of Geographers (AAG). Washington, DC.
- 2019 Miller, Byron, Ryan Burns, Victoria Fast and Anthony M Levenda. "Between provincializing and worlding: Theoretical and epistemological dilemmas of comparative smart city research". Comparative Urbanism: Global Perspectives. Urban Studies Institute, Georgia State University.
- 2019 Levenda, Anthony M. "Do we have enough time? Planning, Temporality, and Justice in Energy Transitions." Dimensions of Political Ecology Conference (DOPE). Lexington, KY.
- 2018 Mahmoudi, Dillon, and Levenda, Anthony M. "Locating technology capital in the city: Data walking in Seattle." Annual Meeting of the American Association of Geographers (AAG). New Orleans, LA.
- 2018 Levenda, Anthony M. "Policy experimentation in the smart city: The progression of urban entrepreneurialism in Austin." Annual Meeting of the American Association of Geographers (AAG). New Orleans, LA.
- 2017 Levenda, Anthony M. "Situating smartness: Towards a productive critique." Annual Meeting of the Society for the Social Studies of Science (4S). Boston, MA.
- 2017 Levenda, Anthony M. "Experiments in smart grid urbanism." Annual Meeting of the American Association of Geographers (AAG). Boston, MA.
- 2016 Levenda, Anthony M. and Loren Lutzenhiser. "Surprises in energy consumption and greenhouse gases related to urban infill." Annual Conference of the American Collegiate Schools of Planning Congress (ACSP). Portland, OR.
- 2016 Levenda, Anthony M., Thaddeus R. Miller, Erik Fisher, Jennifer Richter. "Social science engagements with smart city experts." 8th Annual Meeting of the Society for the Study of New and Emerging Technologies (S.NET). Bergen, Norway.
- 2015 Levenda, Anthony M. "Assembling Urban Energy Futures: Smart Grid Policy Mobilities and Urban Governance." Annual Conference of the American Association of Geographers (AAG). Chicago, IL.
- 2015 Levenda, Anthony M. "Urban Political Ecology and/as Planning Praxis." Dimensions of Political Ecology (DOPE). Lexington, KY.

TEACHING EXPERIENCE

Department of Geography and Environmental Sustainability, University of Oklahoma

GEOG 1103 Intro to Human Geography (Fall 2019, undergraduate, 77 students) covers basics concepts in human geography with an emphasis on urban and environmental issues.

GEOG 3213 Geographies of the Climate Crisis (Fall 2020, undergraduate, 10 students), originally entitled Principles of Human Geography, is a course I redesigned to focus on the fundamentals of human-environment relationships and the challenge of climate change.

GEOG 3253 Environmental Planning and Conservation (Spring 2020, undergraduate, 38 students) focuses on key policy, governance, and planning topics in environmental conservation.

GEOG 4/5970 Urban Sustainability: Green and Just Cities (Spring 2020, 2021, under/graduate, 18 students) is a course I developed for OU's DGES program covering basic principles of environmental planning and sustainable development, which attracted students from Environmental Design, Planning, and Landscape Architecture programs.

GEOG 6973 Contemporary Geography and Environmental Sustainability Thought (Fall 2020, graduate, 16 students) is the introductory graduate seminar for the Geography and Environmental Sustainability program which covers key concepts in environmental sustainability and geographic theory.

GEOG 6970 Just Transitions: Designing a Green New Deal (Spring 2021, graduate, planned) is a new graduate seminar I developed focused on building out a vision, plans, policies, and designs for a Green New Deal for Oklahoma and the US using key principles of social justice, sustainability, and resilience.

Toulan School of Urban Studies and Planning, Portland State University

USP 313 Urban Environmental Issues (Spring 2015, undergraduate, 55 students) is a broad overview of environmental problems faced by cities globally and the community planning solutions we develop to address them.

USP 410 The Wire: Institutions, Inequality, and Identity (Summer 2015, undergraduate, hybrid course) is a course I developed for upper-level undergraduates which focused on key principles of social justice in urban planning and community development using *The Wire* as our key course text.

RESEARCH & WORK EXPERIENCE

- 2016-2017 Research Associate, School for the Future of Innovation in Society, Arizona State University. (NSF Award #1535120)
- 2015-2016 Graduate Research Assistant, Toulan School of Urban Studies and Planning, Portland State University.
- 2014-2015 Research Associate, Urban Sustainability Accelerator, Portland State University.
- 2010-2014 Graduate Research Assistant, Center for Urban Studies & Green Building Research Lab, Portland State University.
- 2009-2010 Energy Engineer, Smart Energy Design Assistance Center, Champaign, IL.
- 2008-2009 Undergraduate Research Assistant, University of Illinois, Urbana-Champaign, IL.

SERVICE TO PROFESSION

Manuscript reviewer

2020 *World Development; Renewable and Sustainable Energy Reviews; Environment and Planning C; Urban Studies (4); Journal of Responsible Innovation; Energy Research and Social Science (2); Organization Studies; Futures (2); Urban Planning; Annals of the American Association of Geographers*

2019 *Sustainability; Journal of Urbanism; Sustainability Science*

2018 and earlier *International Planning Studies; Imaginations; Culture Machine; Information, Communication and Society; Environment and Planning C; Geoforum; Journal of Urban Technology; Energy Policy; Journal of Community Informatics; tripleC: Communication, Capital, Critique; Science as Culture; Energy Research and Social Science; Urban Planning*

Professional Committees

National representative, AAUP Executive Committee on Graduate Affairs. 2015-2017.
Chair, Energy and Environment Specialty Group, American Association of Geographers. 2019-2021.

UNIVERSITY SERVICE

University of Oklahoma

Faculty Mentor, Gamma Theta Upsilon Honors Society, 2019-present.
Strategic Planning Committee. 2019-present.
Research Plan Committee. 2020-present.

Portland State University

Graduate Employees Union, Organizing Committee Member.
Faculty Search Committee, Student Representative. Toulan School of Urban Studies and Planning.
Faculty Awards Committee, Student Representative. College of Urban and Public Affairs.

ADVISING

Current

Aditi Singh (PhD Geography and Environmental Sustainability, 2018-present, Committee)
Jay Wimhurst (PhD Geography and Environmental Sustainability, 2018-present, Committee)
Samuel Ross (PhD Geography and Environmental Sustainability, 2020-present, Chair)
James Tichy (MA Geography and Environmental Sustainability, 2020-present, Chair)
Carolina Marca Lazo (MS Geography and Environmental Sustainability, 2020-present, Chair)
Joe Gallagher (MA Geography, 2019-present, Chair)

Completed

Heather Stelter (MS Environmental Sustainability, 2020, Committee)

PROFESSIONAL MEMBERSHIPS

Association of American Geographers. 2013-
Urban Affairs Association. 2014-
American Collegiate Schools of Planning. 2015-