

KEVIN KANE

Southern California Association of Governments
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RESEARCH INTERESTS

Urban land-use change, neighborhood change, regional economic development, demographic forecasting, spatial analysis and modeling, sustainable cities, urban transportation.

EDUCATION

- 2015 Ph.D., Geography. Arizona State University, Tempe, Arizona.
- 2013 M.A., Geography. Arizona State University, Tempe, Arizona.
- 2009 B.A., Environmental Sciences, Economics, Political Science (minor).
Northwestern University, Evanston, Illinois.

REFEREED JOURNAL ARTICLES

- In Press **Kane, K.** and William A. V. Clark. Mapping the landscape of urban work: Home-based businesses and the built environment. *Environment & Planning A*.
- 2018 **Kane, K.**, Hipp, J. R., & Kim, J. H. Los Angeles employment centers in the twenty-first century. *Urban Studies* 55:4, 844-869.
- 2017 **Kane, K.** and York, A.M. Prices, Policies, and Place: What Drives Greenfield Development? *Land Use Policy* 68, 415-428.
- 2017 Ó hUallacháin, B., **Kane, K.**, and Douma, J. Locational separation of the invention and production activities of automobile transplants in the United States. *Regional Studies*, available online 19 September.
- 2017 York, A.M., **Kane, K.**, Clark, C., Gentile, L.E., Wutich, A., and Harlan, S.L. What determines public support for graduated development impact fees? *State and Local Government Review* 49:1, 15-26.

- 2017 **Kane, K.**, Hipp, J.R. & Kim, J.H. Analyzing accessibility using parcel data: Is there still an access-space tradeoff in Long Beach, California? *The Professional Geographer* 69:3, 486-503.
- 2017 Hipp, J. and **Kane, K.** Cities and the Larger Context: What explains changing levels of crime? *Journal of Criminal Justice* 49, 32-44.
- 2017 Hipp, J., **Kane, K.**, and Kim, J.H. Recipes for neighborhood development: A machine learning approach toward understanding the impact of mixing in neighborhoods. *Landscape and Urban Planning* 164, 1-12.
- 2015 **Kane, K.** and Weber, R. Municipal investment and property value appreciation in Chicago's tax increment financing districts. *Journal of Planning Education and Research* 36:2, 167-181.
- 2015 Ó hUallacháin, B., **Kane, K.** and Kenyon, S.* Invention in the United States City System. *Annals of the Association of American Geographers* 105:6, 1300-1323.
- 2015 Ó hUallacháin, B. and **Kane, K.** Regional aspects of collaborative invention across national innovation systems. *European Planning Studies* 23:11, 2227-2252.
- 2014 **Kane, K.**, Connors, J. P.*, & Galletti, C. S.* Beyond fragmentation at the fringe: A path-dependent, high-resolution analysis of urban land cover in Phoenix, Arizona. *Applied Geography* 52, 123-134.
- 2014 **Kane, K.**, York, A. M., Tuccillo, J. *, Ouyang, Y. *, & Gentile, L. E. * Residential development during the Great Recession: A shifting focus in Phoenix, Arizona. *Urban Geography* 35:4, 486-507.
- 2014 **Kane, K.**, Tuccillo, J. *, York, A. M., Gentile, L. E. *, & Ouyang, Y. * A spatio-temporal view of historical growth in Phoenix, Arizona, USA. *Landscape and Urban Planning* 121, 70-80.
- 2014 York, A.M., Tuccillo, J., Boone, C., Bolin, B., Gentile, L. E., Schoon, B., & **Kane, K.** Zoning and land use: A tale of incompatibility and environmental injustice in early Phoenix. *Journal of Urban Affairs* 36:5, 833-853.

MANUSCRIPTS

- In Revision **Kane, K.** and Young-An Kim*. Big data as individual data: How can parcels and establishments improve the measurement of proximity in cities? *Environment & Planning B*.
- Under Review Kim, J., **Kane, K.**, Kim, Y-A., and Hipp, J. Business churning and neighborhood stability: Is there a link? *Social Science Research*.

Under Review Hipp, J., Kim, Y., and **Kane, K.** The effect of the physical environment on crime rates: Capturing housing age and housing type at varying spatial scales. *Journal of Criminal Justice*.

Under Review **Kane, K.** and John R. Hipp. Rising Inequality and Neighborhood Mixing in US Metro Areas. *Regional Studies*.

PROFESSIONAL REPORTS

2017 **Kane, K.**, Kim, J.H., and Hipp, J.R. “What makes housing accessible to ‘everyday destinations’ in Southern California?” *MFI Quarterly Report 2017:2*. Irvine, CA. Metropolitan Futures Initiative, UC-Irvine.

2016 **Kane, K.**, Kim, J.H., and Hipp, J.R. “Understanding mixing in neighborhoods and its relationship with economic dynamism.” *MFI Quarterly Report 2016:3*. Irvine, CA. Metropolitan Futures Initiative, UC-Irvine.

2016 **Kane, K.**, Kim, J.H., and Hipp, J.R. “Detecting job density over time.” *MFI Quarterly Report 2016:2*. Irvine, CA. Metropolitan Futures Initiative, UC-Irvine.

2016 Kim, J.H., **Kane, K.**, and Hipp, J.R. “Understanding business churning dynamics and their spatial variation.” *MFI Quarterly Report 2016:1*. Irvine, CA. Metropolitan Futures Initiative, UC-Irvine.

POSITIONS HELD

2017 – Present **Southern California Association of Governments – Regional Planner, Department of Research & Analysis**
Responsible for demographic forecasting for the 6-county (19.1M population) region and analysis for the Regional Housing Needs Assessment, internal research efforts related to the quadrennial Regional Transportation Plan and Sustainable Communities Strategy, project manager for SCAG’s Future Communities Initiative.

2015 – 2017 **University of California, Irvine – Postdoctoral Fellow**
“Metropolitan Futures Initiative” through the department of Planning, Policy, and Design and the School of Social Ecology. Role involves quantitative spatial data analysis and collaborative paper writing on urban development and neighborhood change. Role also involves collaborative research with the Department of Criminology, Law, and Society’s Laboratory for the Study of Space and Crime (ILSSC). Primary supervisor: John R. Hipp.

Summer 2015 **Arizona State University – Postdoctoral Researcher**

“Urban Organization Through the Ages: Neighborhoods, Open Spaces, and Urban Life” in the School of Human Evolution and Social Change. Role involved working with archaeologists to integrate quantitative methods into premodern urban research. Primary supervisor: Michael E. Smith.

- Summer 2014 **Arizona State University, Research Associate**
“Water, Risk, and Change in Agriculture” funded by NOAA; role included GIS, econometric, and mixed-methods analysis of agricultural land development in the Southwest. Primary supervisor: Abigail M. York.
- 2012 – 2013 **Arizona State University, Research Associate**
“Phoenix Spatial History Project” funded by NSF; role included quantitative parcel-level analysis, GIS, econometrics, and development of a research program focusing on institutional change. Supervisor: Abigail M. York.
- 2009-2011 **Thomson Reuters (Chicago, IL), Senior Consultant**
Professional Services Division, Complex Property Tax Consulting
- Summer 2007 **Centrum Properties (Chicago, IL), Real Estate Development Intern**

TEACHING EXPERIENCE

- Spring 2014 **Arizona State University, Instructor (Full Course Responsibility)**
Quantitative Methods in Geography and Planning (495)
- 2011 – 2015 **Arizona State University, Teaching Assistant (Geography)**
Introduction to Physical Geography (111), Global Economy in Transition (241), Urban Geography (361), Geography of Natural Resources (381), Society and Environment (210), Quantitative Methods in Geography (495)

SCHOLARSHIPS, AWARDS, AND HONORS

- Summer 2014 Invited Visiting Scholar, Université Paris 1: Panthéon-Sorbonne
Unite de recherche : UMR Géographie-cités 8504
- Spring 2014 Anthony J. Brazel Research Award for Best Student Paper
ASU School of Geographical Sciences and Urban Planning
- Summer 2013 Central Arizona-Phoenix Long-Term Ecological Research (CAP-LTER)
Graduate Research Funding Grant
- Spring 2013 CAP-LTER Poster Symposium – Honorable Mention
- 2011-2016 Arizona State University, Full Teaching and Research Assistantship

- 2011-2012 Arizona State University, University Graduate Fellowship
- 2011-2012 Arizona State University, John F. Lounsbury Travel Fellowship
- 2008-2009 Northwestern University, Environmental Sciences Departmental Honors

INVITED TALKS

- 2017 **Kane, Kevin.** MFI April 2017 Quarterly Report: What makes housing accessible to ‘everyday destinations’ in Southern California? *Shaping a Sustainable Built Environment in Orange County: A forum hosted by the UCI School of Social Ecology, American Institute of Architects and US Green Building Council*, Irvine, CA April 12.
- 2016 **Kane, Kevin** and J.R. Hipp. Metropolitan Futures Initiative October 2016 Quarterly Report: Understanding mixing in neighborhoods and its relationship with economic dynamism. *Southern California Association of Governments’ (SCAG) Council on Community and Economic Development*, Los Angeles, CA, September 29.
- 2016 **Kane, Kevin.** Greenfield development and market trends: Evidence from the American Sunbelt. *University of California – Davis, Department of Human Ecology*, Davis, CA, March 11.
- 2016 **Kane, Kevin.** Hazards of change: A survival analysis of agricultural land development in central Arizona. *University of California – Irvine, Department of Economics Paper Series on Urban, Regional, and Transportation Economics*, Irvine, CA, February 4.
- 2014 **Kane, Kevin.** Residential development during the Great Recession: A shifting focus in Phoenix. *Illinois Institute of Technology, Department of Social Sciences*, Chicago, IL, November 11.

CONFERENCE PRESENTATIONS

- 2018 **Kane, Kevin** and John R. Hipp. Rising Inequality and Neighborhood Mixing in US Metro Areas. *Meeting of the Western Regional Science Association*, Pasadena, CA. February 18-21.
- 2017 **Kane, Kevin.** Are the new shops or the new homes changing the neighborhood? A parcel-level analysis of changing accessibility patterns in Los Angeles County. *Meeting of the Association of American Geographers*, Boston, MA. April 5-9.
- 2016 **Kane, Kevin** and William A.V. Clark. Mapping the on-demand economy: The impact of home-based businesses on urban spatial structure in the twenty-first century. *63rd Annual*

- North American Meeting of the Regional Science Association International*, Minneapolis, MN. November 9-12.
- 2016 **Kane, Kevin**. High-resolution measurement of neighborhood business accessibility amidst evolving residential development patterns. *Association of Collegiate Schools of Planning Annual Conference*, Portland, OR. November 2-6.
- 2016 **Kane, Kevin**. Los Angeles employment centers in the twenty-first century. *Meeting of the Association of American Geographers*, San Francisco, CA. March 29 – April 2.
- 2015 **Kane, Kevin**. Greenfield development and market trends: Evidence from the American Sunbelt. *62nd Annual North American Meeting of the Regional Science Association International*, Portland, OR. November 11-14.
- 2015 **Kane, Kevin**. Hazards of change: A survival analysis of agricultural land development in central Arizona. *Meeting of the Association of American Geographers*, Chicago, IL. April 21-25.
- 2014 **Kane, Kevin**. The spatial mismatch hypothesis across US urban areas: A land use approach. *61st Annual North American Meeting of the Regional Science Association International*, Washington, D.C. November 12-15.
- 2014 **Kane, Kevin**, John P. Connors, and Christopher S. Galletti. Shaping the city: Development trajectories and land cover patterns in Phoenix, Arizona. *Meeting of the Association of American Geographers*, Tampa, Florida. April 8-12.
- 2013 **Kane, Kevin**, Abigail M. York, Joseph Tuccillo, Lauren E. Gentile, and Yun Ouyang. Residential development trajectories in Phoenix, Arizona: Was this recession different? *60th Annual North American Meeting of the Regional Science Association International*, Atlanta, Georgia. November 13-16.
- 2013 **Kane, Kevin** and Rachel Weber. Street lights or subsidies? Municipal investment and property tax appreciation in Chicago's tax increment financing districts. *Meeting of the Association of American Geographers*, Los Angeles, California. April 9-13.
- 2012 Tuccillo, Joseph, **Kevin Kane**, Yun Ouyang, and Abigail York. Urban land-use institutions and parcel-scale change in Phoenix, Arizona, 1915-2002. *Long-Term Ecological Research All Scientists' Meeting*, Estes Park, Colorado, September 9-13.
- 2012 Ó hUallacháin, B. and **Kevin Kane**. Interregional dynamics of emerging technologies in the United States. *Meeting of the Association of American Geographers*, New York City, New York. February 23-28.

COMMUNITY PROJECTS

Community/Planning Projects

- 2014 – 2015 Development and implementation of Havasupai Tribe Community Assessment, a socioeconomic survey of all tribal members.
- 2013 – 2015 Response to Arizona Department of Transportation’s environmental impact statement regarding new freeway construction, addressing “Purpose and Need.”

Local Features/Outreach

- 2017 Co-organized a one-day forum, *Shaping a Sustainable Built Environment in Orange County*, hosted by the UCI School of Social Ecology and the Orange County chapters of the American Institute of Architects & US Green Building Council, Irvine, CA April 12. <http://aiaorangecounty.org/event/shaping-a-sustainable-built-environment-in-oc/>
- 2016 Appearance on *The City Square*, a show on Orange County Talk Radio hosted by the Association of California Cities to discuss the Metropolitan Futures Initiative with John R. Hipp, July 20. www.accoc.org/the-city-square/
- 2016 Metropolitan Futures Initiative (MFI) Quarterly Report Series rollout. Includes reports, web mapping applications, videos, and a webinar series designed to disseminate the MFI’s research on urban change in Southern California. July 1. <http://mfi.soceco.uci.edu>.

SERVICE ACTIVITIES

Service to the Academic Unit

- 2016-2017 Instructor, “Demystifying GIS: A Hands-On Tutorial” for the Urban Studies Student Association, Department of Planning, Policy and Design, University of California – Irvine. Held every other quarter.

Service to the Field

- Journal Referee *Applied Geography, Economic Development Quarterly, Journal of Land Use Science, The Professional Geographer, Urban Geography, Urban Studies, Landscape and Urban Planning, Habitat International*
- Association Board Service 2017-2019: American Association of Geographers – Transportation Specialty Group – Board Member
- Conference Session Organizer 2015, 2016, and 2017 Association of American Geographers Annual Meetings, “Spatial Analysis of Intraurban and Neighborhood Dynamics” (3 paper sessions/year) with Elizabeth Delmelle.

THESIS/DISSERTATION

- Kane, Kevin. “A century of land-use change in metropolitan Phoenix.” PhD

dissertation, Arizona State University, School of Geographical Sciences and Urban Planning, 2015. Committee: Breandán Ó hUallacháin (chair), Abigail M. York, Aaron Golub.

Kane, Kevin. “Validity of concerns over urban sprawl: Social, economic, and environmental impacts.” Undergraduate Thesis, Northwestern University, Environmental Sciences Program, March 2008. Advisor: John C. Hudson.

PROFESSIONAL SKILLS

Statistical and Computing: R, Python, SAS, LaTeX, Excel

Geospatial Computing: ArcGIS, ArcPy, GeoDa, pySAL, QGIS

Web/Application Development: R Shiny web mapping (see mfi.soceco.uci.edu), WordPress

Languages: English (native), French (Professional working proficiency), Polish (Elementary proficiency)

PROFESSIONAL AFFILIATIONS

Association of American Geographers, North American Regional Science Association, Association of Collegiate Schools of Planning