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Office

Michigan State University
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Home

668 Buteo Drive
East Lansing, MI 48823

Teaching and Research Interests

Topical: sustainable economic development, telecommunications policy, entrepreneurship and regional innovation systems, urban water systems, water affordability

Methodological: spatio-temporal methods, spatial analysis, econometrics, geographic information systems (GIS), input-output analysis

Education

2010 Ph.D. Department of Geography, Indiana University, Bloomington, Indiana.
(Minor: Economic Development, School of Public and Environmental Affairs)
2006 M.A. Department of Economics, University of Cincinnati, Cincinnati, Ohio.
2002 B.S. Department of Finance, Virginia Polytechnic Institute and State University, Blacksburg, Virginia.
2002 B.A. Department of Spanish, Virginia Polytechnic Institute and State University, Blacksburg, Virginia.

Academic Appointments

Associate Professor- Department of Geography, Environment and Spatial Sciences (July 2018-present)
Michigan State University

Adjunct Faculty Center for Global Change and Earth Observations (CGCEO), (Nov 2015-present)
Michigan State University

Assistant Professor-Department of Geography, Environment and Spatial Sciences (August 2015-June 2018)
Michigan State University

Affiliate/Adjunct Faculty School of Geographical Sciences and Urban Planning, (November 2015-present)
Arizona State University

Assistant Professor-School of Geographical Sciences and Urban Planning (August 2011-June 2015)
Arizona State University

Research Scientist-GeoDa Center for Geospatial Analysis and Computation, (August 2011-2015)
Arizona State University

External Grants Received

7. Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems.

Funding Agency and Program: National Science Foundation

Grant Number: Supplement #1444758

Grant Amount: \$597,836 **Mack Amount: \$336, 296.**

Funding Period: November 1, 2016-December 31, 2019

Role: Institutional PI (**E.A Mack**), lead PI (Mazdak Arabi, Colorado State University), Institutional PI (Sharon Harlan, Northeastern University)

6. A Comparative Analysis of Firm Dynamics in Rustbelt and Sunbelt Entrepreneurial Ecosystems.

Funding Agency: Ewing Marion Kauffman Foundation for Entrepreneurship

Grant Number: 20150940

Funding Period: October 1, 2015-December 1, 2018

Total Amount: \$87,400

Role: PI (**E.A Mack**), Co-PI (Heike Mayer, University of Bern, Switzerland)

5. Urban Water Innovation Network (U-WIN): Fostering Transitions Toward Resilient Water Systems

Funding Agency and Program: National Science Foundation, Environmental Engineering CR, Earth System Models Sustainability Research Networks

Grant Number: #1444758

Grant Amount: ~\$12,000,000, ASU estimated share: \$1,191,572. **Mack share \$345,556**

Funding Period: 2015- 2020

Role: ASU Institutional Co-PI (**E.A.Mack**); ASU PI Matei Georgescu; Lead PI Mazdak Arabi, Colorado State University

4. EASM-3: Collaborative Research: Physics-Based Predictive Modeling for Integrated Agricultural and Urban Applications

Funding Agency and Program: National Science Foundation, Earth Systems Models Program/United States Department of Agriculture, National Institute of Food and Agriculture (NIFA) program

Grant Number: NSF # 1419593/ USDA# 2015-67003-23508

Grant Amount: \$2,204,667 **Mack share \$396,840 from NSF; \$135, 336 from USDA**

Funding Period: 2014-2019, Mack involvement 9/15/2014-8/31/2015

Role: Co-PI (**E.A. Mack**), PI (Alex Mahalov, Arizona State University), Co-PIs (Matei Georgescu, Billie Lee Turner, Mohamed Moustouai, Carola Grebitus, Arizona State University)

3. Spatio-Temporal Analytical Perspectives on Intra-Metropolitan Entrepreneurial Activity: A Comparative Case Study of the Kansas City and Phoenix Metropolitan Areas.

Funding Agency: Ewing Marion Kauffman Foundation for Entrepreneurship

Grant Number: 20130782

Grant Amount: \$31, 479

Funding Period: July 18, 2013-May 31,2015

Role: PI (E.A Mack)

2. Entrepreneurship and Technological Change: Understanding Entrepreneurial Usage of the Internet, Social Media, and Virtual Reality Technologies.

Funding Agency: Regional Studies Association (RSA)

Grant Number: 13054132

Grant Amount: \$13, 657

Funding Period: February 22, 2013-September 1, 2014

Role: PI (E.A Mack)

1. Broadband Enabled Innovation and Entrepreneurship: A Research and Policy Agenda.

Funding Agency: Time Warner

Grant Number: N/A

Grant Amount: \$5,000

Funding Period: January 7, 2013-March 31, 2013

Role: PI (E.A Mack)

Internal Grants Received

-International Business Center (MSU-CIBER) "Identifying industrial complexes in Mexico: Implications for regional industrial policy." Date: July 2015 (Amount \$1,500)

-Institute for Social Science Research (ISSR). Arizona State University Date: 2011 (Amount: \$36,000)

Papers in Review

1. **Mack, E.A.**, Dutto, W.H., Rikard, R.V., and A. Yankelevich. Mapping and Measuring the Information Society: A Social Science Perspective on the Opportunities, Problems, and Prospects of Broadband Internet Data in the United States. *The Information Society*. In Review

2. **Mack, E.A.** Geographic Dimensions of Uncertainty in the Broadband-Business Nexus. *The Information Society*. In Review

3. Huang, Zhaosong; Lu, Yafeng; **Mack, E**; Chen, Wei; Maciejewski, Ross. Exploring the Impact of Attribute Uncertainty in Choropleths. *Transactions on Visualization and Computer Graphics*. In Review.
4. **Mack, E.A.** An Agenda for Artificial Intelligence (AI) Applications to Big Data in Entrepreneurship Research. *Small Business Economics*. In Review.
5. Credit, K. and **E.A. Mack**. A Multi-Regional Input-Output (MRIO) Analytical Framework For Assessing The Regional Economic Impacts of Rising Water Prices. *The Review of Regional Studies*. In Review.

Books

Mack, E. and Qian, H. (2016) (Eds.) Geographies of Entrepreneurship. Routledge. 198 pages
ISBN-13: 978-1138921061

Grubestic, T.H. and **Mack, E.** (2015). Broadband and Regional Development. Routledge. 206 pages
ISBN-13: 978-1138013919

Peer-Reviewed Journal Articles

- First or corresponding author indicates the majority contribution in the discipline of geography
- Student co-authors are underlined
- **Indicates corresponding author

43. Credit, K., **Mack, E.A.**, and Mayer, H. State of the Field: Data and Metrics for Geographic Analyses of Entrepreneurial Ecosystems. *Geography Compass*. DOI: 10.1111/gec3.12380
42. **E.A. Mack** and R. Wei. (2018). Geographic Dimensions of Relocation Activity: A Comparative Analysis of Intra Metropolitan and Out-of-State Relocation Activity. *The Professional Geographer*.70(1): 103-113.
DOI:
41. **E. Mack**, K. Credit, and M. Suandi. (2018). The Intra-Metropolitan Location of Multinational Branches. *Industry and Innovation*. 25(3), 264-281 DOI 10.1080/13662716.2017.1334539
40. **E. A. Mack** and K. Credit. (2017). New Business Activity and Employment Dynamics in the Inner City: The Case of Phoenix, AZ” *Urban Affairs Review*. DOI: 10.1177/1078087417709600
39. **Mack, E.A.**, Tong, D. and K. Credit. (2017). Gardening in the Desert: A Spatial Optimization Approach to Locating Urban Gardens in Rapidly Expanding Urban Environments. *International Journal of Health Geographics*. 16:37
DOI: 10.1186/s12942-017-0110-z
38. Credit, K. and **E. A. Mack**. (2017). Place-making and Performance: The Impact of Walkable Built Environments on Business Performance in Phoenix and Boston. *Environment and Planning B* DOI: 10.1177/2399808317710466
37. Gertner, D. and **E. A. Mack****. (2017). The Entrepreneurial Orientation (EO) of Incubators, Accelerators, and Coworking Spaces. *International Journal of Regional Development*. 4(2): 1-25. DOI: <https://doi.org/10.5296/ijrd.v4i2.10210>
36. Pearson, A., **E. Mack**, and J. Namanya. (2017). Mobile Phones and Mental Well-Being: The Importance of Staying Connected to Family in Rural, Remote Communities in Uganda. *PlosOne* 12(1): e0169819
DOI: <https://doi.org/10.1371/journal.pone.0169819>
35. **Mack, E.A.**, Talen, E. and J. Koschinsky. (2017). Walkable Art: An Empirical Investigation of Art-Related Businesses and Walkable Neighborhoods. *Economic Development Quarterly* 31(2): 149-163. DOI: 10.1177/0891242417690804
34. **E. Mack** and Wrase, S. (2017). A Burgeoning Crisis? A Nationwide Assessment of the Geography of Water Affordability in the United States. *PlosOne*. 12(1): e0169488 DOI: <https://doi.org/10.1371/journal.pone.0169488>
33. **Mack, E.**, Pierre, L. and K. Redican. (2017). Entrepreneurs' Use of Internet and Social Media Applications. *Telecommunications Policy* 41(2): 120-139 DOI: 10.1016/j.telpol.2016.12.001
32. **E. Mack** and L. Wentz. (2017). Industry Variations in the Broadband Business Nexus. *Socio-Economic Planning Sciences* 58: 51-62. DOI:10.1016/j.seps.2016.10.007

31. Wang, F. **Mack, E.A.**** and R. Maciejewski. (2017). Analyzing Entrepreneurial Social Networks with Big Data. *Annals of the Association of American Geographers* 107(1): 130-150 DOI: 10.1080/24694452.2016.1222263
30. Villareal, A., **Mack, E.A.**** and M. Flores. (2017). Industrial Complexes in Mexico: Implications for Regional Industrial Policy Based on Related Variety and Smart Specialization. *Regional Studies* 51(4): 537-547. DOI: 10.1080/00343404.2015.1114174
29. Yifan Zhang, Wei Luo, **E. Mack,** Ross Maciejewski. (2016). Visualizing the Impact of Geographical Variations on Multivariate Clustering. *Computer Graphics Forum*, 35(3): 101-110. DOI: 10.1111/cgf.12886
28. Tranos, E. and **E. A. Mack.** (2016). Broadband Provision and Knowledge Intensive Firms: A Causal Relationship? *Regional Studies* 50(7): 1113-1126. DOI: <http://dx.doi.org/10.1080/00343404.2014.965136>
27. **Mack, E.A.** and H. Mayer. (2016). The Evolutionary Dynamics of Entrepreneurial Ecosystems. *Urban Studies* 53(10): 2118-2133. DOI: <https://doi.org/10.1177/0042098015586547>
26. **Mack, E.A.** (2015). Variations in the Broadband-Business Connection Across the Urban Hierarchy. *Growth and Change* 46(3): 400-423. DOI: 10.1111/grow.12095
25. **Mack, E.A.** and R. Maciejewski. (2015). A Profile of Visual Analytical Toolkits for Understanding the Spatio-Temporal Evolution of Broadband Provision *Telecommunications Policy* 39(3-4): 320-332 DOI: <https://doi.org/10.1016/j.telpol.2014.06.011>
24. **Mack, E.A.** and T.H. Grubestic. (2014). U.S. Broadband Policy and the Spatio-Temporal Evolution of Broadband Markets. *Regional Science, Policy, and Practice* 6(3): 291-308. DOI: 10.1111/rsp3.12042
23. **Mack, E.A.** and Stolarick, K. (2014). The Gift That Keeps On Giving: Land-Grant Universities and Regional Prosperity. *Environment and Planning C* 32(3): 384-404. DOI: <https://doi.org/10.1068/c11164r>
22. **Mack, E.A.** (2014). Businesses and the Need for Speed: The Impact of Broadband Speed on Business Presence. *Telematics and Informatics* 31(4): 617-627. DOI: <https://doi.org/10.1016/j.tele.2013.12.001>
21. **Mack, E.A.** and Rey, S.J. (2014). An Econometric Approach for Evaluating the Linkages between Broadband and Knowledge Intensive Firms. *Telecommunications Policy* 38(1): 105-118. DOI: <https://doi.org/10.1016/j.telpol.2013.06.003>
20. **Mack, E.A.** (2014). Broadband and Knowledge Intensive Firm Clusters: Essential Link or Auxiliary Connection? *Papers in Regional Science* 93(1): 3-29. DOI: 10.1111/j.1435-5957.2012.00461.x
19. **Mack, E.A., Zhang, Y.,** Maciejewski, R. and S.J. Rey. (2014). Spatio-Temporal Analysis of Industrial Composition with IVIID: An Interactive Visual Analytics Interface for Industrial Diversity. *Journal of Geographical Systems*, 16(2): 183-209 DOI: 10.1007/s10109-013-0193-4
18. Rey, S.J., Murray, A.T., Grubestic, T.H., **Mack, E.A., Wei, R.,** and Griffin, M. (2014). Sex Offender Residential Movement Patterns: A Markov Chain Analysis. *The Professional Geographer* 66(1): 102-111. DOI: <http://dx.doi.org/10.1080/00330124.2013.765293>
17. **Mack, E.A.** and Faggian, A. (2013). Productivity and Broadband: The Human Factor. *International Regional Science Review* 36(3): 392-423. DOI: <https://doi.org/10.1177/0160017612471191>
16. **Mack, E.A., N. Malizia** and S. J. Rey. (2012). Population Shift Bias in Tests for Spatio-Temporal Interaction. *Computers, Environment, and Urban Systems*. 36(6): 500-512. DOI: <https://doi.org/10.1016/j.compenvurbsys.2012.05.001>
15. **Mack, E.A.** and T.H. Grubestic. (2012). All Jobs Are Not Created Equal: Divergent Indicators in the Information Economy. *Applied Geography*. 32(1): 88-101. DOI: <https://doi.org/10.1016/j.apgeog.2010.05.009>
14. Malizia, N. and **Mack, E.A.** (2012). Enhancing the Jacquez k Nearest Neighbor Test for Space-Time Interaction. *Statistics in Medicine*. 31(21): 2318-2334. DOI: 10.1002/sim.5348

13. Grubestic, T.H., **Mack, E.A.**, and Kaylen, M. (2012). Comparative Modeling Approaches for Understanding Urban Violence. *Social Science Research* 14(1): 92-109. DOI: <https://doi.org/10.1016/j.ssresearch.2011.07.004>
12. Buckman, S. and **Mack, E.A.** (2012). The Impact of Urban Form on Downtown Stadium Redevelopment Projects: A Comparative Analysis of Phoenix and Denver. *Journal of Urbanism* 5(1): 1-22. DOI: <http://dx.doi.org/10.1080/17549175.2012.659071>
11. Rey, S.J., **Mack, E.A.**, and Koschinsky, J. (2011). Exploratory Space-Time Analysis of Burglary Patterns. *Journal of Quantitative Criminology* 28(3): 509-531. DOI: 10.1007/s10940-011-9151-9
10. Murray, A.T., Grubestic, T.H., Wei, R., and **Mack, E.A.** (2011). A Hybrid Geocoding Methodology for Spatio-Temporal Data. *Transactions in GIS* 15(6): 795-809. DOI: 10.1111/j.1467-9671.2011.01289.x
9. Grubestic, T.H., Murray, A.T. and **E.A. Mack.** (2011). Sex Offenders, Residence Restrictions, Housing and Urban Morphology: A Review and Synthesis. *Cityscape* 13(3): 7-31. DOI: 10.2307/41426673
8. **Mack, E.A.**, Anselin, L. and T.H. Grubestic. (2011). The Importance of Broadband Provision to Knowledge Intensive Firm Location. *Regional Science Policy and Practice*. 3(1): 17-35. DOI: 10.1111/j.1757-7802.2011.01026.x
7. **Mack, E. A.** and Grubestic, T.H. (2010). Sex Offenders and Residential Location: A Predictive Analytical Framework. *Environment and Planning A*. 42(8): 1925-1942. DOI: <https://doi.org/10.1068/a42370>
6. **Mack, E.A.** and T.H. Grubestic. (2009). Forecasting Broadband Provision. *Information Economics and Policy*. 21(4): 297-311. DOI: <https://doi.org/10.1016/j.infoecopol.2009.08.001>
5. **Mack, E.A.** and T. H. Grubestic. (2009). Broadband Provision and Firm Location: An Exploratory Spatial Analysis. *Tijdschrift voor Economische en Sociale Geografie*. 100(3): 298-315. DOI: 10.1111/j.1467-9663.2008.00487.x
4. Grubestic, T.H., Murray, A.T. and **E.A. Mack.** (2008). Sex Offenders, Housing and Spatial Restriction Zones. *GeoJournal*. 73(4): 255-269. DOI: 10.1007/s10708-008-9197-x
3. Grubestic, T. H. and **E. A. Mack.** (2008). Spatio-Temporal Interaction of Urban Crime. *Journal of Quantitative Criminology*. 24(3): 285-306. DOI: 10.1007/s10940-008-9047-5
2. **Mack, E.A.**, Grubestic, T.H. and E. Kessler. (2007). Indices of Industrial Diversity and Regional Economic Composition. *Growth and Change*. 38(3): 474-509. DOI: 10.1111/j.1468-2257.2007.00380.x
1. Grubestic, T. H., Murray, A. T. and **E.A. Mack.** (2007). Geographic exclusion: Spatial analysis for evaluating the implications of Megan's Law. *Social Science Computer Review*. 25(2): 143-162. DOI: <https://doi.org/10.1177/0894439307298930>

Book Chapters and Other Non-Refereed Publications

*Indicates a peer-reviewed book chapter

10. **Mack, E. A.** (2017). Thinking about Urban Infrastructure: A Prospective Look at Water and Telecommunications Infrastructure. *Regions Magazine*, 306(1), p. 11
9. **Mack, E.** Introduction: Geographies of Entrepreneurship. (2016). Mack, E. and Qian, H. (Eds). Taylor and Francis.
8. **Mack, E.** and K. Credit. (2016). The Intra-Metropolitan Geography of Entrepreneurship: A Spatial, Temporal, and Industrial Analysis (1989-2010). *Geographies of Entrepreneurship*. Mack, E. and Qian, H. (Eds). Taylor and Francis.
7. **Mack, E.A.** (2015). Book Review: Small Business and the City: The Transformative Potential of Small Scale Entrepreneurship by Rafael Gomez, Andre Isakov, and Matthew Semansky *Journal of Regional Science* 55(5): 874-875.
6. Faggian, A. and **E. Mack.** (2015). Special Issue Introduction: Regional Development in Metropolitan and Non-Metropolitan Regions. *Growth and Change*. 46(3): 351-353.

5. *A.T. Murray, T.H. Grubestic, **E.A. Mack**, R. Wei, S.J. Rey, L. Anselin and M. Griffin. (2013). "Convicted sex offender residential movements." In *Crime Modeling and Mapping Using Geospatial Technologies*, edited by M. Leitner (pgs. 51-71). Springer: Netherlands.
4. Faggian, A., **E. Mack**, and H. Stephens. (2013). Special Issue Introduction: Regional Economic Development. *International Regional Science Review* 36(3): 263-266.
3. **Mack, E.A.** (2014). Book Review: *Sunbelt Capitalism: Phoenix and the Transformation of American Politics* by Elizabeth Tandy Shermer. (Philadelphia: University of Pennsylvania Press). *Economic Development Quarterly* 28(2): 185.
2. **Mack, E.A.** (2012). Book Review: *Entrepreneurship and Innovation in Second Tier Regions* by Heike Mayer. (Cheltenham: Edward Elgar). *Review of Regional Studies* 42(2): 177.
1. **Mack, E.A.** (2012). Book Review: *Sustainability in America's Cities: Creating the Green Metropolis* edited by Matthew I. Slavin. (Washington, D.C: Island Press). *Journal of Urbanism* 6(1): 92-93.

Invited Talks

2018

26. A Retrospective and Prospective Examination of Spatial Dimensions of the Broadband Business Nexus: Implications for Rural Areas. Division of Applied Social Sciences, University of Missouri. May 2, 2018.
25. Human Dimensions of the Urban Water Innovation Network (U-WIN). Earth and Environmental Sciences Seminar Series, Wayne State University. March 7, 2018.

2017

24. A Vulnerability Assessment of Water and Wastewater Affordability for Residential Consumers. Health and Environmental Funders Network (HEFN) Water and Water Affordability Webinar. September 21, 2017.
23. Water and Wastewater Affordability for Residential Consumers. Kiwanis Club, East Lansing. July 24, 2017
22. The Socio-Economics of Water: Thinking Locally and Regionally. U-WIN Webinar Series. April 27, 2017
21. Broadband, Business Location, and Regional Development. Brown Bag. Department of Media and Information. Michigan State University. March 16, 2017

2016

20. The Broadband-Entrepreneurship Nexus. Regional Research Institute (RRI), West Virginia University. February 18, 2016
19. Entrepreneurship and Digital Technology Use. Department of Geography, University of Toledo. January 29, 2016.
18. Topics and Methods in Economic Geography. Center for Global Change and Earth Observation (CGCEO) Michigan State University. January 22, 2016.

2015

17. Perspectives on Industrial Diversity. Tecnológico de Monterrey Monterrey, Mexico August 11, 2015.
16. Spatio-Temporal Patterns in Entrepreneurial Activity: A Comparative Analysis of Nine Metropolitan Areas. Tinbergen Institute, VU University Amsterdam, The Netherlands. May 8, 2015.
15. Geographic Dimensions of the Broadband-Business Nexus. Department of Geography. Michigan State University. February 17, 2015.

14. Broadband Policy, Broadband Availability and Firm Location: An Econometric Analysis. School of Public Policy. Georgia Tech. January 15, 2015.

2014

13. An Evolutionary Telecommunications Policy Framework for Enabling Urban Cyberplaces and Digital Intelligence. Workshop on Intelligent Urbanism. National Academy of Managements and Urbanism. Rabat, Morocco November 20-21, 2014.

12. A Retrospective and Prospective Look at Broadband and Businesses. Regional Economics And Spatial Modeling Laboratory (REASM), School of Geography and Development University of Arizona. October 3, 2014.

11. Information Technology and Business Incubation Facilities: The Case of Phoenix, Arizona. University of Birmingham, United Kingdom. May 22, 2014.

10. Information Technology (IT) Services in Business Incubation Facilities. Tinbergen Institute, VU University Amsterdam, The Netherlands. May 19, 2014.

9. Examining the Broadband Business Connection. School of Public Affairs, Arizona State University. April 18, 2014.

2013

8. An Evaluation of the Broadband Business Connection Across the Urban Hierarchy. AEDE Applied Economics Seminar Series. Department of Agricultural, Environmental and Development Economics. The Ohio State University. October 7, 2013.

7. Urban Tactics for Fostering Business Start-Ups: An Overview of Business Incubation Activities in the Phoenix Metropolitan Area. Urban Tactics Symposium, Second Annual Phoenix Urban Design Week. April 4-April 13, 2013.

2012

6. Keynote Speech: The Implications of Advances in Broadband Internet Connections for Regions, Populations, Health, and the Environment. Fifth Annual Midwest Graduate Student Summit on Regional, Population, Health, and Environmental Economics (RPHE Summit) Purdue University April 13, 2012.

5. National Establishment Time Series (NETS) Data. GeoDa Center Brownbag. GeoDa Center for Geospatial Analysis and Computation. Arizona State University. October 9, 2012.

2011

4. Virtual Infrastructure and Regional Competitiveness: Implications for Economic Development. Arizona State University. December 13, 2011.

3. Knowledge Intensive Metropolitan Areas: The Broadband Connection. University of Memphis. December 1, 2011.

2. Knowledge Intensive Metropolitan Areas: The Broadband Connection. University of Utah. November 30, 2011.

2009

1. Broadband Provision and Knowledge Intensive Firm Location. University of North Carolina. November 30, 2009.

Professional Presentations

2018

49. Serial Entrepreneurs in Small Entrepreneurial Ecosystems. *Global Conference on Economic Geography* Cologne, Germany (July 24-28)

48. Entrepreneurial Diasporas: Migration Tendencies in New Venture Activity. *Association of American Geographers (AAG)* New Orleans, LA (April 10-14, 2018)

2017

47. The Built Environment, Urban Amenities, and New Business Activity. *North American Regional Science Conference (NARSC)* Vancouver, British Columbia (November 8-11).

46. Growing Local Business: An Analysis of Spinoff Activity in Burlington, Vermont. *Association of Collegiate Schools of Planning (ACSP) Conference* Denver, CO (October 12-15).

45. A Burgeoning Crisis? A Nationwide Assessment of the Geography of Water Affordability in the United States *Association of American Geographers (AAG)* Boston, MA (April 5-9).

2016

44. New Venture Activity and Broadband Provision. *North American Regional Science (NARSC)* Minneapolis, Minnesota. (November 9-12).

43. Firm Colocation in the Detroit Automobile Cluster. *Association of Collegiate Schools of Planning (ACSP) Conference* Portland, Oregon (November 3-6).

42. Do Startups Diversify the Economic Base? An Evolutionary Perspective. *Association of American Geographers (AAG)* San Francisco, CA (March 29-April 2).

2015

41. The Dynamics of New Venture Relocations: Benefit or Boondoggle for Origin Locations? *Kauffman Firm Survey (KFS) Workshop Conference*. Durham, NC (December 11-12).

40. Entrepreneurs' Use of Internet Applications and Social Media. *North American Regional Science (NARSC)*. Portland, OR (November 11-14).

39. Spatio-Temporal Patterns in New Business Activity. *Kauffman Ecosystem Conference*. Kansas City, MO (October 1-2).

38. Identifying Industrial Complexes in Mexico: Implications for Regional Industrial Policy. *Academy of International Business (AIB) Conference*. Bangalore, India (June 27-June 30).

37. Cybergeographies of Entrepreneurship: An Exploratory Analysis of Entrepreneurial Activity in Virtual Spaces. *Network on European Communications and Transport Activities Research (NECTAR) Conference*. Ann Arbor, MI (June 14-16).

36. A Hierarchical Approach to Evaluating the Survivability of Entrepreneurial Ventures. *Annual Meeting of the Association of American Geographers*. Chicago, IL (April 21-25).

2014

35. Entrepreneurship, Human Capital, and Broadband Technology Use. *North American Meeting of the Regional Science Association International*. Washington, D.C. (November 12-15).

34. Are Startups a Factor in Urban Economic Development? *Association of Collegiate Schools of Planning (ACSP)*

Conference. Philadelphia, PA. (October 30-November 2).

33. Intra-Metropolitan Location Patterns of Entrepreneurial Activity: The Case of Phoenix, AZ and Kansas City, MO. *Annual Meeting of the Association of American Geographers*. Tampa, FL. (April 8-12).

32. An Evaluation of the Broadband-Business Connection Across the Urban Hierarchy. *Western Regional Science Association (WRSA) Conference*. San Diego, CA (February 16-19).

2013

31. Incubating Entrepreneurial Activity in the Global Economy: Incubators, Accelerators, and Co-Working Spaces. *Regional Studies Association North American Conference*. Los Angeles, CA (December 16-18).

30. Industrial Variations in the Broadband-Business Nexus: A Historical Perspective. *North American Meeting of the Regional Science Association International*. Atlanta, GA. (November 13-16).

29. Spatio-Temporal Patterns of Entrepreneurial Activity: A Case Study of Phoenix, AZ. Joint AESOP-ACSP Congress. University College Dublin, Ireland. (July 15-July 19).

28. Do the Biblical Religions Stifle Entrepreneurship? An Investigation of the Regional Linkages Between Religion and Entrepreneurial Activity. *16th Uddevalla Symposium*. The Kauffman Foundation for Entrepreneurship. Kansas City, MO (June 13-15).

27. Data Constraints and Policy Alternatives: Broadband Availability, Use and Industry Composition. *Theory of Broadband: Regulation, Networks and Applications* by-Invitation Experts' Workshop. The Columbia Institute for Tele-Information, Columbia University, New York, NY (May 30-June 1).

26. Spatio-Temporal Patterns of Entrepreneurial Activity: A Case Study of Phoenix, AZ. *Annual Meeting of the Association Of American Geographers*. Los Angeles, CA (April 9-April 14).

25. Regional Variations in Broadband Linkages with Knowledge Intensive Firms. *Western Regional Science Association (WRSA) Conference*. Santa Barbara, CA. (February 24-27).

2012

24. Does Broadband Boost Entrepreneurship? An Econometric Evaluation of the Impact of Broadband Internet Connections On Entrepreneurial Activity. *North American Meeting of the Regional Science Association International*. Ottawa, Canada. (November 7-10).

23. Walkable Art: An Evaluation of Artists' Contribution to Neighborhood Sustainability. *Association of Collegiate Schools of Planning (ACSP) Conference* Cincinnati, OH. (November 1-4).

22. Entrepreneurship and Technological Change: Broadband Provision Impacts on Entrepreneurship *Experience the Creative Economy*. Martin Prosperity Institute, Rotman School of Management, University of Toronto (June 19-22).

21. Productivity and Broadband: Is There a Human Factor? *Annual Meeting of the Association of American Geographers (AAG)*. New York, NY. (March 24-28).

2011

20. Productivity and Broadband: The Human Factor. *North American Meeting of the Regional Science Association International*, Miami, FL (November 9-12).

19. A New Institutional Economics Perspective on Local Broadband Initiatives: A Framework for Telecommunications Planning. *Association of Collegiate Schools of Planning (ACSP) Conference* Salt Lake City, UT (October 13-16).

18. Broadband and the Need for Speed: The Impact of Broadband Speed on Business Presence. *Telecommunications*

Policy Research Conference. Arlington, VA (September 23-25).

17. Broadband and Knowledge Intensive Firm Clusters: Essential Link or Auxiliary Connection? *Experience the Creative Economy*. Martin Prosperity Institute, Rotman School of Management, University of Toronto. (June 21-24)

16. The Spatial Distribution of Broadband and Knowledge Firms. *Annual Meeting of the Association of American Geographers* Seattle, WA. (April 10-16).

2010

15. Population Shift Bias in Tests for Spatio-Temporal Interaction. *North American Meeting of the Regional Science Association International*. Denver, CO. (November 10-13).

14. The Importance of Broadband Provision to Knowledge Intensive Firm Location. *TPRC: Conference Communication, Information and Internet Policy*. Arlington, VA. (October 1-3).

13. Knowledge Intensive Regions: Big Cities, University Towns, and Other Places. *European Meeting of the Regional Science Association International*. Jönköping, Sweden. (August 19-23).

12. Knowledge Intensive Regions: Big Cities, University Towns, and Other Places. *Experience the Creative Economy*. Martin Prosperity Institute, Rotman School of Management, University of Toronto. (June 22-24).

11. All Jobs Are Not Created Equal: Divergent Indicators in the Knowledge Economy. *Annual Meeting of the Association of American Geographers*. Washington, D.C. (April 14-18).

10. Sex Offenders and Residential Location: A Predictive-Analytical Framework. *Meeting of the Western Regional Science Association*. Sedona, AZ. (February 21-24).

2009

9. The Importance of Broadband Provision to Knowledge Intensive Firm Location. *North American Meeting of the Regional Science Association International*. San Francisco, CA. (November 18-21).

8. Sex Offender Residency and Spatial Risk: Approaches for Managing Community Exposure. *10th Crime Mapping Research Conference*. New Orleans, LA. (August 19-August 22).

7. The Spatio-Temporal Dynamics of Nodal Regions: Airports as Central Places. *Annual Meeting of the Association of American Geographers*. Las Vegas, NV. (March 22-March 27).

2008

6. The Distribution of Information-Intensive Industries: Coincidence or A Reflection of Regional Comparative Advantage? *North American Meeting of the Regional Science Association International*. Brooklyn, NY. (November 19-November 22).

5. Predicting Residential Locations of Registered Sex Offenders. *The National Institute for Justice Conference*. Arlington, VA. (July 21-July 23).

4. Forecasting Broadband Provision. *Annual Meeting of the Association of American Geographers*. Boston, MA. (April 15- April 19).

2007

3. Broadband Provision and Firm Location in Ohio: An Exploratory Analysis (1999-2004). *North American Meeting of the Regional Science Association International*. Savannah, GA. (November 7-November 10).

2. Indexing and Regional Competitiveness: A Comparative Analysis. *Annual Meeting of the*

Association of American Geographers. San Francisco, CA. (April 17- April 21).

1. Spatio-Temporal Methods for Identifying Crime Hot-Spots: Approaches, Problems and Prospects. *9th Crime Mapping Research Conference*. Pittsburgh, PA. (March 28-March 31).

Panel Presentations

2018

Panelist: The Academic Job Market for Geographers: Strategies for Improving Career Preparation *Annual Meeting of the Association Of American Geographers*. New Orleans, LA (April 10-14).

Panelist: Conversation with the Cities: Building Water Resilient Communities
All About Water 2.0. Wayne County Community College, MI (March 19).

2016

Panelist: Teaching and Advising About Careers in Geography. *Annual Meeting of the Association Of American Geographers*. San Francisco, CA (March 29-April 2).

2015

Panelist: Tenure: Supporting Women in Geography Across the Sub-disciplines. *Annual Meeting of the Association of American Geographers*. Chicago, IL (April 21-25).

Panelist: The Academic Job Market for Geographers: Strategies for Improving Career Preparation *Annual Meeting of the Association of American Geographers*. Chicago, IL (April 21-25).

2013

Panelist: Researching the Creative Economy: Emerging Questions and Approaches. *Annual Meeting of the Association Of American Geographers*. Los Angeles, CA (April 9-April 14).

Presentations of Co-Authored Work

2018

18. Iyer, S. and Cho, T. Serial Entrepreneurs and Spinoff Activity in Burlington, Vermont. University Undergraduate Research and Arts Forum UURAF Michigan State University. April 13.

17. Czupski, M. and Black, V. Business Histories of Nashville Firms. University Undergraduate Research and Arts Forum UURAF Michigan State University. April 13.

16. Brown, Alexander. A Spatial Analysis of Detroit Water Rates. University Undergraduate Research and Arts Forum UURAF Michigan State University. April 13.

15. Dougherty, Benjamin. Water Privatization in the Global South: The Case of Brazil. Association of American Geographers (AAG) Conference. New Orleans, LA. April 10.

2017

14. Credit, Kevin. "Place-Making and Performance: The Impact of Walkable Urban Design on Business Performance in Phoenix and Boston." Association of American Geographers (AAG) Conference. Boston, MA. April 7.

13. Redican, Kyle. "The Socio-Economic Impacts of Rising Water Prices Using Scenario Based Modeling." Association of American Geographers (AAG) Conference. Boston, MA. April 8.

12. Wrase, Sarah. "Underground and Overlooked: America's Wastewater Infrastructure Crisis." University Undergraduate Research and Arts Forum UURAF Michigan State University. April 7.

11. Hough, Babs. "Keep It Querque: Spinoff Dynamics of Albuquerque, New Mexico." University Undergraduate Research and Arts Forum UURAF Michigan State University. April 7.

2016

10. Credit, Kevin. "New Business Activity and Inner City Economic Development." North American Meetings of the Regional Science Association International (NARSC). Minneapolis, November 11.

9. Credit, Kevin. "Comparative Metrics for Entrepreneurial Ecosystems." Meeting of the Association of Collegiate Schools Of Planning (ACSP). Portland, November 3.

8. Credit, Kevin. "The Impact of Walkable Urban Design on Sales Volume: Comparing Phoenix and Boston." Midwest Graduate Student Summit on Applied Economics, Regional, and Urban Studies (AERUS). Urbana-Champaign, April 23.

7. Hough, Grace. "Toward a Typology of Entrepreneurial Ecosystems." 19th Uddevalla Symposium Birkbeck, University of London, London, United Kingdom 30 June – 2 July 2016

6. Suandi, Matthew "Do Startups Diversity the Economic Base? An Evolutionary Perspective." Birkbeck, University of London, London, United Kingdom 30 June – 2 July 2016

5. Hough, Grace. "Toward a Typology of Entrepreneurial Ecosystems." University Undergraduate Research and Arts Forum UURAF Michigan State University April 8, 2016

4. Suandi, Matthew "Do Startups Diversity the Economic Base? An Evolutionary Perspective." University Undergraduate Research and Arts Forum UURAF Michigan State University April 8, 2016

2015

3. Credit, Kevin. "Transit-Oriented Economic Development: The impact of light rail on new business starts in the Phoenix, AZ region." North American Meetings of the Regional Science Association International (NARSC). Portland, OR. November 12, 2015.

2. Credit, Kevin. "Geographic, Temporal, and Industrial Variations in Startups from 1989-2010: A comparative analysis." Meeting of the Association of Collegiate Schools of Planning (ACSP). Houston, TX October 24, 2015.

1. Credit, K. "An Evolutionary Approach to Urban Entrepreneurship: Intra-metropolitan trends in new business Establishments from 1989-2010." Global Urban Studies Program Brown Bag Series. East Lansing, MI. October 21, 2015.

TEACHING

Student Awards

2018

11. Provost Undergraduate Research Initiative (PURI). Michigan State University.
Student supported: Benjamin Dougherty. Amount: \$975

2017

10. Michigan State Graduate School Dissertation Completion Fellowship. Student Supported: Kevin Credit.
Amount: \$7,000.00

9. Provost Undergraduate Research Initiative (PURI). Michigan State University.
Student supported: Benjamin Dougherty. Amount: \$975

8. National Science Foundation Graduate Fellowship: Matthew Suandi

7. First Prize Oral Presentation, Undergraduate Research Forum. Michigan State University.

“Underground and Overlooked: America’s Wastewater Infrastructure Crisis”: Sarah Wrase

6. Cole Excellence Award. Michigan State University. Student: Sarah Wrase
Amount: \$2,500

2016

5. First Prize Oral Presentation, Undergraduate Research Forum. Michigan State University. “Do Startups Diversify the Economic Base? An Evolutionary Perspective”: Matthew Suandi

4. First Place Graduate Research Presentation Competition. Department of Geography, Michigan State University: Kevin Credit

3. Dean’s Assistantship. Michigan State University. Student supported: Grace Hough.
Amount: \$4,000

2. Provost Undergraduate Research Initiative (PURI). Student supported: Grace Hough. Michigan State University
Amount: \$1,200

2015

1. Provost Undergraduate Research Initiative (PURI). Michigan State University. Student supported: Matthew Suandi.
Amount: \$1,000

Undergraduate and Graduate Credit Instruction

Introduction to Economic Geography: GEO 113
Global Diversity: ISS 315
Location Theory and Land Use Analysis: GEO 415
Urban and Regional Analysis: PUP 642
Socio-Economic Impact Analysis: PUP 571
Economic Development Planning: PUP 434/598
Economic Impact Analysis: PUP 598
Quantitative Methods in Geography: GCU 495 (Spring)

Students Advised

Doctoral (Advisor)

-Kyle Redican, Michigan State University, (2016-present)
-Lisa Marie Pierre, Michigan State University, (2014-present)
-Kevin Credit, Michigan State University, (2014-2018)

Doctoral (committee member)

-Yifan Zhang-School of Computing Information and Decision Systems Engineering, Arizona State University. (2014-2016)
-Ran Wei- Addressing Geographic Uncertainty in Spatial Optimization. Arizona State University. (2011-2013)

Masters thesis advisor

-Michael Bochnovic. An Analysis of Bid-Rent Curve Variations Across American Cities. Arizona State University. (2014)
-Anthony DeLuca. Exploring Definitional, Spatial, and Temporal Issues Associated with the Creative Class and Related Variations In Creative Centers. Arizona State University. (2013-2014)

Masters thesis reader

-Louise Willard. “Exploring the Role of Urban Municipal Governments in Broadband Planning.” University of Toronto (2017)
-Thomas Hayden. Cluster Metrics and Temporal Coherency in Pixel Based Matrices. Arizona State University. (2014)

Applied project advisor

-Charles Felder. "Harbor Subdivision Transit Corridor." Arizona State University. (2014-2015).

Honors thesis (chair)

-Mitchell Bobman. "Effects of Smart City Infrastructure on Millennial Migration." Arizona State University. (2014-2015)

Honors thesis (reader)

-Jose Ibarra Visual Analytic Tools for Geo-Genealogy and Geo-Demographics. Arizona State University. (2014)

-Lucie Anselin. Geographies of Technology: GIS, Open Source and the Digital Divide. Arizona State University. (2012)

-Sarah Aagard, The Vitality of Neighborhood Revitalization. Arizona State University. (2012).

Undergraduate research

-Zack Argo, Michigan State University (2018-present)

Samyuktha Iyer, Michigan State University (2018-present)

-Alex Brown, Michigan State University (2018-present)

-Matt Chiavatta, Michigan State University (2018-present)

-Alex Lafler, Michigan State University (2018)

-Tatum Cho, Michigan State University (2018-present)

-Madison Wimberly, Michigan State University (2018-present)

-Vincent Black, Michigan State University (2017-present)

-Mikaela Czupski, Michigan State University (2017-present)

-Benjamin Dougherty, Michigan State University (2017-present)

-Marlene Guzman, Lewis and Clark College (Summer 2017)

-Sarah Wrase, Michigan State University Honors Program (2016-present)

-Babs Hough, Michigan State University Honors Program (2016-2017)

-Joe Vacante, Michigan State University (2016-2017)

-Matthew Goeman, Michigan State University (2016-2017)

-Grace Hough, Michigan State University Honors Program (2015-2017)

-Matthew Suandi, Michigan State University Honors Program (2015-2017)

Faculty Mentor

-Hannah Szabo (MUEP Student Arizona State University (2012-2014)

-Amanda Straight (MUEP Student): Arizona State University (2012-2013)

MUEP Advising Activities Arizona State University

-4 students (Bryn Heemsoth, Bailey DuBois, Hasaan Alahdal, Rui Wen, Saud Alkahled). (2014-2015)

-5 students (Ariane Burson, Yichuan Shi, Kelly Kirtley, Kimberly Feldbauer, Lauren Campbell). (2013-2014)

-2 students (Hannah Szabo and Andrew Ruegg). (2012-2013)

SERVICE

Editorial Appointments

Editorial Board Member

-International Regional Science Review (2017-present)

-Regional Science Policy and Practice (2017-present)

Guest Editor

-Guest Editor, Special Issue of the Journal of Transport Geography: Big Data: A New Opportunity for Transport Geography? (2017)

-Guest Editor, Special Issue of Growth and Change: Regional Development In-Metropolitan and Non-Metropolitan Regions Volume 46 Issue 3 (2015)

-Guest Editor, Special Issue of the International Regional Science Review: Current Issues in Regional Development Volume 36 Issue 3 (2013)

National Science Foundation (NSF) Panel Member

-Graduate Research Fellowship Program (GRFP) Panelist: Economics (2017)

National Science Foundation (NSF) Proposal Reviewer

-Reviewer, Geography and Spatial Sciences Program, 1 proposal (2017)

-Doctoral Dissertation Research Improvement (DDRI) Reviewer, 1 proposal (2016)

Dissertation Award Reviewer

Eric Pas Dissertation award, International Association for Travel Behaviour Research, 1 dissertation (2017)

Book Proposal Reviewer

-Routledge Proposal: Big Data for Regional Science (2016)

Journal Reviewer Activities

African Journal of Business Management; Annals of GIS; Annals of Regional Science; Asia-Pacific Journal of Regional Science; Cambridge Journal of Regions, Economic, and Society; Cities; City, Culture, and Society; Computers, Environment, and Urban Systems; Criminal Justice Review; Economic Development Quarterly; Entrepreneurship and Regional Development; Entrepreneurship Theory and Practice; Environment and Planning A; Geographical Analysis; Geography Compass; GeoJournal; Industry and Innovation; Information Society; International Journal of Innovation and Regional Development (IJIRD); International Regional Science Review; Journal of Change Management; Journal of Environmental Management, Journal of Geographical Systems; Journal of International Management; Journal of Information Policy; Journal of Planning Education Research; Journal of Quantitative Criminology; Journal of Regional Science; Journal of Small Business and Enterprise Development; Journal of Transport Geography; Justice Quarterly; Journal of Regional Science; Journal of Urbanism; Journal of Urban Technology; Landscape and Urban Planning; Library Information Quarterly; Papers in Regional Science; Planning Review; Professional Geographer; Regional Studies; Regional Science Policy and Practice; Review of Infrastructure Complexity; Review of Regional Studies; Small Business Economics; Social Science Review; Socio-Economic Planning Sciences; Spatial and Economic Analysis: Sustainability; Telecommunications Policy; The Information Society; Urban Geography

2018	25 reviews
2017	32 reviews
2016	19 reviews
2015	14 reviews
2014	9 reviews
2013	15 reviews
2012	9 reviews
2011	2 reviews
2010	6 reviews
2009	2 reviews

Book Chapter Reviews

2018	1 review
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Professional Society Service

-Councilor, North American Regional Science Association Council (Fall 2017-present)

-Benjamin Stevens Fellowship Selection Committee, North American Regional Science Association (Spring 2017-present)

-Regional Studies Association (RSA) Ambassador to the United States (2016-present)

-Network on European Communications and Transport Activities Research (NECTAR) ICT Cluster Co-Chair (2014-present)

- Newsletter Co-Editor, North American Regional Science Association (2013-present)
- Regional Science Academy Service, chair Support Activities Task Force (2015-2016)
- Student Paper Competition Co-Chair, North American Regional Science Conference (NARSC). Atlanta, Georgia (2013)

Conference Organizer

- Local Organizer, North American Regional Science Conference (NARSC). Portland, Oregon (2015)
- Experience the Creative Economy. Martin Prosperity Institute. Rotman School of Management, University of Toronto. (2012)
- Experience the Creative Economy. Martin Prosperity Institute, Rotman School of Management, University of Toronto. (2011)

Session Organizer

- Global Conference on Economic Geography. Cologne, Germany (2018)
 - Entrepreneurs, places and processes in entrepreneurial ecosystems (2 sessions)
- Association of American Geographers (AAG). New Orleans, LA (2018)
 - Water, Equity and Justice (1 session)
 - Un-explored and Under-Explored Aspects of Entrepreneurship Research (1 session)
- North American Regional Science Association (NARSC). Vancouver, British Columbia (2017)
 - Entrepreneurship in Regional Science (1 session)
- Association of American Geographers (AAG). Boston, MA. (2017)
 - The Geography of Entrepreneurship and Its Ecosystems (3 sessions)
 - Social Equity, Environmental Justice and Urban Water Systems (1 session)
- North American Regional Science Conference (NARSC). Minneapolis, MN. (2016)
 - Entrepreneurship (2 sessions)
 - Big Data in Regional Science and Transport (3 sessions)
 - Big Data in Regional Science and Transport (1 panel)
- Association of American Geographers. San Francisco, CA. (2016)
 - The Geography of Entrepreneurship and Its Ecosystems (3 sessions)
- North American Regional Science Conference (NARSC). Portland, OR. (2015)
 - Entrepreneurship in Regional Science (2 sessions)
- Association of American Geographers. Chicago, IL. (2015)
 - Geographic Perspectives on Entrepreneurship: Factors, Processes, and Disparities (2 sessions)
- North American Regional Science Conference (NARSC). Washington, D.C. (2014)
 - Regional Development (9 sessions)
- Association of Collegiate Schools of Planning (ACSP) Conference. Philadelphia, PA. (2014)
 - Technological and Community Change in Regional Development (2 sessions)
- Association of American Geographers Annual Meeting. Tampa, FL. (2014)
 - Geographies of Entrepreneurship (2 sessions)
- North American Regional Science Conference (NARSC). Ottawa, Canada. (2013)
 - Regional Development (10 sessions)
- Association of American Geographers Annual Meeting. Los Angeles, CA. (2013)
 - Geographies of Entrepreneurship in Developed and Developing Economies (3 Sessions)
- North American Regional Science Conference (NARSC). Ottawa, Canada. (2012)
 - Regional Development (7 sessions)

- Association of Collegiate Schools of Planning (ASCP). Cincinnati, OH. (2012)
The Arts and Economic Development (2 sessions)
- Association of American Geographers Annual Meeting. New York, NY. (2012)
Entrepreneurship, Innovation, and Regional Prosperity: Creating Competitive Economies (6 sessions)
- North American Regional Science Conference (NARSC), Miami, FL. (2011)
Regional Development (9 sessions)
- Association of American Geographers Annual Meeting. Seattle, WA. (2011)
Globalization and Variations in Regional Economic Performance (3 sessions)
- Association of American Geographers Annual Meeting. Washington, D.C. (2010)
Regions in the Global Knowledge Economy (4 sessions)

University Committees

- Reviewer, College of Social Sciences Provost Undergraduate Research Initiative (PURI) (Fall 2017)
Michigan State University
- College of Social Sciences Data Analytics (SSDA) Search Committee (2016-2017)
Michigan State University
- College of Social Sciences Branding Committee (2016)
Michigan State University
- College of Social Sciences Entrepreneurship Committee (2015-present)
Michigan State University
- ASU Edson Student Entrepreneur Initiative Judge (2013-2014)
ASU Venture Catalyst at SkySong, Arizona State University

Department Committees

- Faculty Advisory Committee (FAC) (2017-present)
Department of Geography, the Environment & Spatial Sciences, Michigan State University
- Graduate Admissions (2016-2017)
Department of Geography, the Environment & Spatial Sciences, Michigan State University
- Graduate Planning Policy Committee (2014-2015)
School of Geographical Sciences and Urban Planning, Arizona State University
- Planning Faculty Search Committee (2014-2015)
School of Geographical Sciences and Urban Planning, Arizona State University
- Planning Lecturer Search Committee (2013-2014)
School of Geographical Sciences and Urban Planning, Arizona State University
- B.S. in GIS Curriculum Development Committee (2013-2014)
School of Geographical Sciences and Urban Planning, Arizona State University
- Ph.D. Planning Admissions Committee (2012-2014)
School of Geographical Sciences and Urban Planning, Arizona State University
- Masters of Urban and Environmental Planning (MUEP) Admissions Committee (2012-2013)
School of Geographical Sciences and Urban Planning, Arizona State University
- Masters of Urban and Environmental Planning (MUEP) Bootcamp for Incoming Students (2012-2014)
School of Geographical Sciences and Urban Planning, Arizona State University
- GIS Tenure-Track Professor Search Committee (2012-2013)
School of Geographical Sciences and Urban Planning, Arizona State University
- Awards Committee (2012)
School of Geographical Sciences and Urban Planning, Arizona State University
- Computing Committee (2011-2014)
School of Geographical Sciences and Urban Planning, Arizona State University

Workshops Conducted

- CIBER Workshop. Understanding Global Value Chains: How to Prepare Students for Success in an Increasingly Interconnected World. Society for Global Business and Economic Development. Feliciano School of Business, Montclair State University. June 23, 2016
- NECTAR Cluster 8/JRC Workshop. Big Data: A New Opportunity for Urban Transport and Mobility

Policies. Seville, Spain. March 10-11, 2016

-Spatio-Temporal Techniques for Analyzing Industrial Diversity, Tecnológico de Monterrey, Monterrey Mexico August 13, 2015

Community Outreach

-Judge Burlington Mayor's Prize for Entrepreneurship. (2017).
-Appalachian Regional Commission (ARC) Research Advisory Committee. (2014).
Advised on Report: Appalachia Then and Now: Examining Changes to the Appalachian Region since 1965 Written by Center for Economic Competitiveness and West Virginia University: http://www.arc.gov/research/researchreportdetails.asp?REPORT_ID=113

TV/Radio Appearances

-Radio Appearance, KJZZ Phoenix 91.5, Big Data and Entrepreneurship (2017)
-Radio Appearance, KJZZ Phoenix 91.5, Water Affordability (2017)
-Radio Appearance, WKAR FM/AM, Geography Awareness Week (2015)

Professional Societies

-Association of Collegiate Schools of Planning (ACSP)
-Association of International Business (AIB)
-Association of American Geographers (AAG)
-North American Regional Science Council (NARSC)
-Phi Beta Kappa
-Regional Studies Association (RSA)
-Western Regional Science Association (WRSA)