

CURRICULUM VITAE
GUANGQING CHI
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EDUCATION

Ph.D., Environmental Demography, University of Wisconsin-Madison, 2006
M.S., Environmental Policy, Michigan Technological University, 2002
B.S., Environmental Science, East China Normal University, 1999

CURRENT POSITIONS AND AFFILIATIONS

Pennsylvania State University (2015–)

Associate Professor of Rural Sociology and Demography, Department of Agricultural Economics, Sociology, and Education (2015–)
Director, Computational and Spatial Analysis Core (previously the GIA Core and the DPS Core), Social Science Research Institute and Population Research Institute (2015–)
Research Associate, Population Research Institute (2015–)
Associate Professor of Public Health Sciences, School of Medicine (courtesy appointment; 2016–)
Associate Professor of Sociology (courtesy appointment; 2016–)
Graduate Faculty, Social Data Analytics (2016–)
Graduate Faculty, Applied Demography (2016–)
Graduate Faculty, International Agriculture and Development (2017–)
Faculty Affiliate, Engineering Systems and Policy Program, the Thomas D. Larson Pennsylvania Transportation Institute (2015–)
Associate, Institute for CyberScience (2017–)

Deputy Editor, *Demography* (2016–2019)

Editorial Board member, *Spatial Demography* (2012–)

PUBLICATIONS

* designates student authors under my direct supervision when developing the article;

Books

1. **Chi, Guangqing** and Jun Zhu. *Spatial Regression Models for the Social Sciences*. SAGE Publications: Thousand Oaks, CA. (under contract)

Commissioned White Papers

2. **Chi, Guangqing**. 2017. *Demographic Forecasting and Future Interstate Highway System Demands*. The National Academy of Sciences, Washington, D.C. [commissioned and invited white paper for the Future Interstate Study Committee of the Transportation Research Board in response to a Congressional request for the Fixing America's Surface Transportation Act of 2015]

Peer-Reviewed Journal Articles

3. **Chi, Guangqing** and Donghui Wang*. 2018. "Population Projection Accuracy: The Impacts of Sociodemographics, Accessibility, Land Use, and Neighbor Characteristics." *Population, Space and Place*. DOI: 10.1002/psp.2129

Winner of the 2017 E. Walter Terrie Best Paper Award in Applied Demography, Southern Demographic Association.

4. **Chi, Guangqing** and Hung Chak Ho. 2018. "Population Stress: A Spatiotemporal Analysis of Population Change and Land Development at the County Level in the Continental United States, 2000–2010." *Land Use Policy* 70(1): 128–137.
5. Li, Chuo, **Guangqing Chi**, and Robert Jackson. 2018. "Neighborhood Built Environment and Walking Behaviors: Evidence from the Rural American South." *Indoor and Built Environment*. DOI: 10.1177/1420326X17695858
6. Chen, Xinxiang, Guanghua Chi, and **Guangqing Chi**. 2018. "Do Airports Boost Economic Development by Attracting Talent? An Empirical Investigation at the Sub-County Level." *Social Science Quarterly*. DOI: 10.1111/ssqu.12393
7. **Chi, Guangqing** and Jamie Boydston*. 2017. "Gasoline Price Changes and Residential Relocation: Preliminary Findings from the American Housing Survey, 1996–2008." *Journal of Planning Education and Research* 37(3): 334–346.
8. Wang, Donghui* and **Guangqing Chi**. 2017. "Different Places, Different Stories: A Study of Spatial Heterogeneity of County-Level Fertility in China." *Demographic Research* 37: 493–526.
9. Pinto, Casey, Lorah D. Dorn, Vernon M. Chinchilli, Ping Du, and **Guangqing Chi**. 2017. "Rural Counties Chlamydia and Gonorrhea Rates in Pennsylvania Among Adolescents and Young Adults." *Annals of Epidemiology* 27(9): 606–610.
10. **Chi, Guangqing**, Willie Brown, Xiang Zhang, and Yanbing Zheng. 2015. "Safer Roads Owing to Higher Gasoline Prices: How Long It Takes." *American Journal of Public Health* 105(8): 119–125.

Interviewed by [National Public Radio](#), [Huffington Post](#), [The Weather Channel](#), [South Dakota Public Broadcasting](#), [VOAnews](#), [KSFY ABC](#), [Fox 5 News New York](#), [Money](#), and many other news media.
11. Clement, Matthew, **Guangqing Chi**, and Derrick Ho. 2015. "Urbanization and Land Use Change: A Human Ecology of Deforestation Across the United States, 2001–2006." *Sociological Inquiry* 85(4): 628–653.

12. Li, Chuo, **Guangqing Chi**, and Robert Jackson. 2015. "Perceptions and Barriers to Walking in the Rural American South: The Influence of the Neighborhood Built Environment on Pedestrian Behaviors." *Urban Design International* 20(4): 255–273.
 13. **Chi, Guangqing** and David W. Marcouiller. 2013. "In-Migration to Remote Rural Regions: The Relative Impacts of Natural Amenities and Land Developability." *Landscape and Urban Planning* 117(1): 22–31.
 14. **Chi, Guangqing**, Jeremy R. Porter, Arthur G. Cosby, and David Levinson. 2013. "The Impact of Gasoline Price Changes on Traffic Safety: A Time Geography Explanation." *Journal of Transport Geography* 28(1): 1–11.
 15. **Chi, Guangqing** and Yanbing Zheng. 2013. "Estimating Transport Footprint along Highways at Local Levels: A Combination of Network Analysis and Kriging Methods." *International Journal of Sustainable Transportation* 7(3): 261–273.
 16. **Chi, Guangqing** and David W. Marcouiller. 2013. "Natural Amenities and Their Effects on Migration along the Urban-Rural Continuum." *The Annals of Regional Science* 50(3): 861–883.
 17. **Chi, Guangqing**, Mohammed A. Quddus, Arthur Huang*, and David Levinson. 2013. "Gasoline Prices Effects on Traffic Safety in Urban and Rural Areas: Evidence from Minnesota, 1998–2007." *Safety Science* 59(1): 154–162.
 18. Robertson, Angela A., Sheena Gardner, Xiaohe Xu, **Guangqing Chi**, and D. Lee McCluskey. 2013. "Mississippi's DUI Offender Intervention: 40 Years of Programming and Research." *Journal of Offender Rehabilitation* 52(2): 138–155.
 19. **Chi, Guangqing**. 2012. "The Impacts of Transport Accessibility on Population Change across Rural, Suburban, and Urban Areas: A Case Study of Wisconsin at Subcounty Levels." *Urban Studies* 49(12): 2711–2731.
 20. Chen, Xinxiang and **Guangqing Chi**. 2012. "Natural Beauty, Money, and Talent Distribution: A Local-Level Panel Data Analysis." *Population Research and Policy Review* 31(5): 665–681.
 21. **Chi, Guangqing** and David W. Marcouiller. 2012. "Recreational Homes and Migration to Remote Amenity-Rich Areas." *Journal of Regional Analysis and Policy* 42(1): 47–60.
- Invited Presidential Symposium for the 2011 annual meeting of the Mid-Continent Regional Science Association.
22. **Chi, Guangqing**, Timothy E. McClure*, and David B. Brown. 2012. "Gasoline Prices and Traffic Crashes in Alabama, 1999–2009." *Traffic Injury Prevention* 13(5): 476–484.
 23. **Chi, Guangqing** and Paul R. Voss. 2011. "Small-Area Population Forecasting: Borrowing Strength across Space and Time." *Population, Space and Place* 17(5): 505–520.
 24. **Chi, Guangqing** and David W. Marcouiller. 2011. "Isolating the Effect of Natural Amenities on Population Change at the Local Level." *Regional Studies* 45(4): 491–505.

25. **Chi, Guangqing**, Xuan Zhou*, Timothy E. McClure*, Paul A. Gilbert*, Arthur G. Cosby, Li Zhang, Angela A. Robertson, and David Levinson. 2011. "Gasoline Prices and Their Relationship to Drunk-Driving Crashes." *Accident Analysis and Prevention* 43(1): 194–203.
26. **Chi, Guangqing**, Xuan Zhou*, and Paul R. Voss. 2011. "Small-Area Population Forecasting in an Urban Setting: A Spatial Regression Approach." *Journal of Population Research* 28(2): 185–201.
27. **Chi, Guangqing** and Stephen J. Ventura. 2011. "An Integrated Framework of Population Change: Influential Factors, Spatial Dynamics, and Temporal Variation." *Growth and Change* 42(4): 549–570.
28. **Chi, Guangqing** and Domenico Parisi. 2011. "Highway Expansion Effects on Urban Racial Redistribution in the Post-Civil Rights Period." *Public Works Management and Policy* 16(1): 40–58.
29. Misra, Kaustav* and **Guangqing Chi**. 2011. "Measuring Public School Competition from Private Schools: A Gravity-Based Index." *Journal of Geographic Information System* 3(4): 306–311.
30. **Chi, Guangqing** and Stephen J. Ventura. 2011. "Population Change and Its Driving Factors in Rural, Suburban, and Urban Areas of Wisconsin, USA, 1970–2000." *International Journal of Population Research* 2011: 1–14.
31. **Chi, Guangqing**. 2010. "The Impacts of Highway Expansion on Population Change: An Integrated Spatial Approach." *Rural Sociology* 75(1): 58–89.
32. **Chi, Guangqing**. 2010. "Land Developability: Developing an Index of Land Use and Development for Population Research." *Journal of Maps* 2010: 609–617.

Supplemental Maps: "Undevelopable Lands in Wisconsin, USA, 2001" and "Land Developability in Wisconsin, USA, 2001".
33. **Chi, Guangqing**, Arthur G. Cosby, Mohammed A. Quddus, Paul A. Gilbert*, and David Levinson. 2010. "Gasoline Prices and Traffic Safety in Mississippi." *Journal of Safety Research* 41(6): 493–500.
34. **Chi, Guangqing**. 2009. "Can Knowledge Improve Population Forecasts at Subcounty Levels?" *Demography* 46(2): 405–427.

Winner of the 2007 E. Walter Terrie Best Paper Award in Applied Demography, Southern Demographic Association.
35. **Chi, Guangqing** and David W. Marcouiller. 2009. "Rethinking the Migration Effects of Natural Amenities: Part I." *Canadian Journal of Regional Science* 32(3): 331–348.
36. **Chi, Guangqing** and David W. Marcouiller. 2009. "Rethinking the Migration Effects of Natural Amenities: Part II." *Canadian Journal of Regional Science* 32(3): 349–360.
37. **Chi, Guangqing** and Jun Zhu. 2008. "Spatial Regression Models for Demographic Analysis." *Population Research and Policy Review* 27(1): 17–42.

Reprinted in Salvatore Babones (Ed.) 2013. *Applied Statistical Modeling*. SAGE Publications. ISBN: 978-1-4462-0839-7.

38. Voss, Paul R. and **Guangqing Chi**. 2006. "Highways and Population Change." *Rural Sociology* 71(1): 33–58.
39. **Chi, Guangqing**, Paul R. Voss, and Steven C. Deller. 2006. "Rethinking Highway Effects on Population Change." *Public Works Management and Policy* 11(1): 18–32.
40. **Chi, Guangqing** and Paul R. Voss. 2005. "Migration Decision-Making: A Hierarchical Regression Approach." *Journal of Regional Analysis and Policy* 35(2): 11–22.
41. **Chi, Guangqing** and Brian Stone, Jr. 2005. "Sustainable Transport Planning: Estimating the Ecological Footprint of Vehicle Travel in Future Years." *Journal of Urban Planning and Development* 131(3): 170–180.

Book Chapters

42. Kasu, Bishal*, Ernesto Castañeda, and **Guangqing Chi**. 2018. "Remittance-driven Migration in spite of Microfinance? The Case of Nepalese Households." In: *Immigration and Categorical Inequality: Migration to the City and the Birth of Race and Ethnicity*, pp. 171–196, edited by Ernesto Castañeda. New York: Routledge.
43. **Chi, Guangqing** and Donghui Wang*. 2016. "Small-Area Population Forecasting: A Geographically Weighted Regression Approach." In: *The Frontiers of Applied Demography*, pp. 449–471, edited by David Swanson. New York: Springer.
44. Parisi, Domenico, Steven M. Grice, **Guangqing Chi**, and Jed Pressgrove. 2011. "Poverty, Work, and the Local Environment: TANF and EITC." In: *Economic Restructuring and Family Well-Being in Rural America*, pp. 320–335, edited by Ann Tickamyer and Kristin Smith. University Park, PA: Pennsylvania State University Press.

Manuscripts under Review

45. Chi, Guangqing, Derrick Shapley*, Tse-Chuan Yang, and Donghui Wang*. "Lost in the Black Belt South: Health and Access to Highways and Airports."
46. Chi, Guangqing, Donghui Wang*, and Annelise D. Hagedorn*. "Future Interstate Highway System Demands and Demographic Forecasting."
47. Chi, Guangqing, Annelise D. Hagedorn*, Donghui Wang*, Kamilya Kelgenbaeva, and Geoffrey M. Henebry. "Agricultural Production in the Post-Soviet Kyrgyzstan: The Implication of Demographic and Climate Changes."
48. Ho, Hung Chak, Anders Knudby, Guangqing Chi, Mehdi Aminipouri, and Derrick Yuk-Fo Lai. "Spatiotemporal Analysis of Regional Socio-Economic Vulnerability Change Associated with Heat Risks in Canada."
49. Parsafard, Mohsen, Guangqing Chi, Xiaobo Qu, Xiaopeng Li, and Haizhong Wang. "Error Measures for Trajectories Estimations with Geo-Tagged Mobility Sample Data."
50. Li, Chuo, Amir Ghiasi, Xiaopeng Li, and Guangqing Chi. "Access to Organic and Local Foods: Socio-Demographic Explanations."
51. Kasu, Bishal* and Guangqing Chi. "The Impact of Passenger Rails on Population and Employment Change in the United States, 2000–2010."

52. Zhao, Chen, Tse-Chuan Yang, Guangqing Chi, and Joseph Gibbons. "Space Still Matters: A Descriptive Dynamic Analysis of Spatiotemporal Propagation of Tweets."
53. Xu, Feng*, Hung Chak Ho, Guangqing Chi, and Zhanqi Wang. "Abandoned rural lands: Using machine learning methods to identify rural residential lands vulnerable to be abandoned in mountainous regions with."
54. Hagedorn, Annelise D.*, Donghui Wang*, and Guangqing Chi. "Remittances and Changing Household Spending Strategies: Evidence from the Life in Kyrgyzstan Study, 2011–2013."
55. Kasu, Bishal* and Guangqing Chi. "The Associations of Transportation Infrastructures with Education and Income in the United States, 1970–2010."
56. Kasu, Bishal* and Guangqing Chi. "The Evolving Impacts of Transport Infrastructures on Population and Employment Change in the United States, 1970–2010."
57. Van Hook, Jennifer, Guangqing Chi, Edward Jaenicke, Douglas Wrenn, Justine Blanford, Yosef Bodovski, Annelise Hagedorn*, and Annemarie Kuhns. "The Healthiness of Home Food Purchases and Community Food Environments: A Case Study of Philadelphia Using Food Scanner Data and Food Store Data."
58. Li, Kun*, Guangqing Chi, Ling Wang, Yujing Xie, Xiangrong Wang, and Zhengqiu Fan. "Identifying Critical Riparian Buffer Zone with the Strongest Linkage between Landscape Characteristics and Surface Water Quality."
59. Huang, Xuetao*, Guangqing Chi, and Tse-Chuan Yang. "Racial/Ethnic Differences of Residential Mobility Before, During and After the Great Recession: A Case Study of Los Angeles County, California."

Encyclopedia Entries

60. Chi, Guangqing. 2014. "Social and Economic Impacts of Highways." In: *Encyclopedia of Transportation: Social Science and Policy*, pp. 756–759, edited by Mark Garrett and J. Geoffrey Golson. Thousand Oaks, CA: SAGE Publications. DOI: 10.4135/9781483346526.n269.
61. Chi, Guangqing. 2014. "Economic Development." In: *Encyclopedia of Transportation: Social Science and Policy*, pp. 454–457, edited by Mark Garrett and J. Geoffrey Golson. Thousand Oaks, CA: SAGE Publications. DOI: 10.4135/9781483346526.n172.
62. Chi, Guangqing. 2007. "Highway Effects on Economic and Population Growth: Regional Economic Explanation." In: *Encyclopedia of Earth*, edited by Cutler J. Cleveland. Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment.

Refereed Conference Proceedings

63. Wang, Donghui*, Annelise D. Hagedorn*, Guangqing Chi, Guljamal Ibraimova, Kamilya Kelgenbaeva, and Geoffrey M. Henebry. 2016. "Agricultural Productions in Kyrgyzstan, 1990–2014." *The International University of Kyrgyzstan Journal* 29(1): 11–16.
64. Li, Chuo, Amir Ghiasi, Xiaopeng Li, and Guangqing Chi. 2016. "Socio-demographic Characteristics Associated with Access to Organic and Local Food." #16–2058. The annual meeting of the Transportation Research Board, January 10–14, 2016, Washington, D.C.

65. Chi, Guangqing and Jamie Boydston*. 2013. "Rising Gasoline Prices and Residential Relocation Closer to Workplaces." #13-1686. The annual meeting of the Transportation Research Board, January 13-17, 2013, Washington, D.C.
66. Chi, Guangqing, Jeremy R. Porter, Arthur G. Cosby, and David Levinson. 2013. "Understanding the Impact of Gasoline Price Changes on Traffic Safety: A Time Geography Approach." #13-1687. The annual meeting of the Transportation Research Board, January 13-17, 2013, Washington, D.C.
67. Chi, Guangqing, Mohammed A. Quddus, Arthur Huang*, and David Levinson. 2013. "Urban-Rural Difference of Gasoline Price Effects on Traffic Safety." #13-1688. The annual meeting of the Transportation Research Board, January 13-17, 2013, Washington, D.C.
68. Chi, Guangqing and Yanbing Zheng. 2012. "Estimating Transport Footprint along Highways at Local Levels: Combination of Network Analysis and Kriging Methods." #12-0754. The annual meeting of the Transportation Research Board, January 22-26, 2012, Washington, D.C.
69. Chi, Guangqing. 2010. "Land Developability and Population Dynamics: Developing an Index of Land Use and Development for Sustainability Research." #3D7-ICSU10387. The First International Conference on Sustainable Urbanization, December 15-17, 2010, Hong Kong.
70. Chi, Guangqing. 2010. "Estimating Transport Ecological Footprint at Local Levels: An Ordinary Kriging Approach." #8A02-ICSU10386. The First International Conference on Sustainable Urbanization, December 15-17, 2010, Hong Kong.

Data Products

71. Chi, Guangqing and Derrick Ho*. 2014. "Land Developability in 2011 at the Census Tract Level in the Continental U.S." Released on September 18, 2014.
72. Chi, Guangqing and Derrick Ho*. 2013. "Land Developability: A Measure of the Proportion of Lands Available for Development and Conversion." Available at <http://www.landdevelopability.org>. Released on April 15, 2013.

Book Reviews

73. Chi, Guangqing. 2013. "Applied Spatial Data Analysis with R" by Roger S. Bivand, Edzer J. Pebesma, and Virgilio Gómez-Rubio (New York, NY: Springer. 374 + xiv. ISBN: 978-0-387-78170-9). *Spatial Demography* 1(2): 227-228.

Other Publications

74. Chi, Guangqing, Bishal Kasu*, and Annelise D. Hagedorn*. 2016. "The Economic Demography of Passenger Intermodal Transportation: Opportunities and Challenges." Project Report No. 13-007. National Center for Intermodal Transportation for Economic Competitiveness, U.S. Department of Transportation. <https://trid.trb.org/view.aspx?id=1400760>.

75. Chi, Guangqing and Bishal Kasu*. 2016. "Economic and Demographic Impacts of Passenger Rail Systems: The Impact of Intercity Passenger Rails on Population and Employment Change in the United States, 2000–2010." Project Report No. 13-008. National Center for Intermodal Transportation for Economic Competitiveness, U.S. Department of Transportation. <https://trid.trb.org/view.aspx?id=1400761>.
76. Chi, Guangqing and Mary Killshundred*. 2015. "Rapid City School District School-Level Enrollment Projections 2015–2024." Project Report. The Black Hills Knowledge Network, Rapid City, SD.
77. Chi, Guangqing. 2014. "South Dakota State Data Center Newsletter, Winter 2014 Issue." Rural Life and State Data Center, Department of Sociology and Rural Studies, South Dakota State University.
78. Chi, Guangqing. 2014. "South Dakota State Data Center Newsletter, Fall 2014 Issue." Rural Life and State Data Center, Department of Sociology and Rural Studies, South Dakota State University.
79. Chi, Guangqing. 2014. "Traffic Fatalities Have Been Declining Steadily Since 2005: Why?" In: *Mississippi Traffic Safety Data Book 2014*, pp. 13–16, edited by McKee, C., Burns, M.A., Farrell, B., Neaves, T., Falls, A., Singletary, K., Nguyen, J., & Ginn, A. Starkville, MS: Social Science Research Center, Mississippi State University.
80. Chi, Guangqing and Willie Brown. 2014. "Rising Gasoline Prices Lead to the Reduction in Drunk-Driving Crashes." Policy Brief. Public Safety Data Laboratory, Social Science Research Center, Mississippi State University. <http://psdl.ssrc.msstate.edu/wp/wp-content/uploads/GasolinePricesandDrunk-DrivingCrashes.pdf>.
81. Chi, Guangqing and Jamie Boydston*. 2013. "Passenger Usages of the Intermodal Transportation System: An Analysis of the 2009 National Household Travel Survey Data." Project Report. National Center for Intermodal Transportation for Economic Competitiveness, U.S. Department of Transportation.
82. Chi, Guangqing and Jamie Boydston*. 2012. "Passenger Responses to Gasoline Price Increases: Residential Relocation and Intermodal Transportation." Project Report. Henry Family Research Fund, College of Arts and Sciences, Mississippi State University.
83. Chi, Guangqing. 2010. "Assessing Economic and Demographic Impacts of Intermodal Transportation Systems." Project Report. National Center for Intermodal Transportation, U.S. Department of Transportation.
84. Mo, Xiugen, Guangqing Chi, and Charles A. Campbell. 2009. "The Temporal and Spatial Effect of Highways on China's Economic Growth." Working Paper. Social Science Research Network. Available at SSRN: <http://ssrn.com/abstract=1580246>.
85. Voss, Paul R. and Guangqing Chi. 2004. "On the Causality between Highway Expansion and Population Change: A Spatial Multivariate Regression Analysis." *Applied Demography* 17(2): 5–6.
86. Chi, Guangqing. 1999. "Identifying and Weighing Environmental Factors in Communities." *Shanghai Property Management* (special issue, *Applying ISO14001 for Environmental Improvement*) 24: 24–25. (in Chinese)

87. Chi, Guangqing. 1999. "Applying the ISO14001 Environmental Management System to Manage Communities: A Case Study of Ching Chu Garden, Shanghai." *Shanghai Property Management* (special issue, *Applying ISO14001 for Environmental Improvement*) 24:18–20. (in Chinese)
88. Wang, Xiangrong and Guangqing Chi. 1999. "Implementing the ISO14001 Environmental Management System to Improve the Ecological Construction of Urban Communities." *Shanghai Property Management* (special issue, *Applying ISO14001 for Environmental Improvement*) 24:10–13, 17. (in Chinese)

RESEARCH GRANTS

PI = Principal Investigator; Co-PI = Co-Principal Investigator; Co-I = Co-Investigator; SP = Senior Personnel

Ongoing Research Support

1. PI. "CRISP Type 1/Collaborative Research: Population-Infrastructure Nexus: A Heterogeneous Flow-based Approach for Responding to Disruptions in Interdependent Infrastructure Systems" (Award # 1541136). National Science Foundation. \$500,000. PI at U South Florida: Xiaopeng Li, with co-PI Mengqi Hu of U Illinois at Chicago. Project dates: 1/1/2016–12/31/2018.
2. Co-I. "How Environmental Change in Central Asian Highlands Impacts High Elevation Communities." National Aeronautics and Space Administration. \$969,551 (Award # NNX15AP81G). PI: Geoffrey Henebry. The other co-I: Pavel Groisman. Project dates: 7/1/2015–6/30/2018.
3. Co-I (PI of the Computational and Spatial Analysis Core). "Population Research Institute." National Institute of Child Health and Human Development. \$3,516,815 (Award # P2C HD041025). PI: Jennifer Van Hook. The other co-I: Michelle Frisco. Project dates: 9/4/2016–5/31/2021.
4. Co-PI. "Convergence NNA: Coordinate a Transdisciplinary Research Network to Identify Challenges and Solutions of Permafrost Coastal Erosion and Its Socioecological Impact in the Arctic" (Award # 1745369). National Science Foundation. \$500,000. PI: Ming Xiao. Other co-PIs: Kathleen Halvorsen, Benjamin Jones, and Vladimir Romanovsky. Project dates: 1/1/2018–12/31/2021.
5. PI. "The Computational and Spatial Analysis Core's Twitter Initiative as Part of Social Science Research Institute's Strategic Area in Innovative Methods." PSU Social Science Research Institute. \$51,103. Project dates: 6/1/2016–6/1/2019.
6. PI. "Ecological Migration in a Large-Scale Quasi-Experiment Design in China: Implications of Climate Change, Landscape Structure, Ecosystem Services and Government Intervention." PSU Institutes of Energy and the Environment. \$25,000. Co-PIs: Zhen Lei, Erica Smithwick, Brian Thiede, Junjun Yin, Jiquan Chen, and Huanguang Qiu. Project dates: 4/1/2017–6/30/2018.
7. PI. "From Environmental Change to Left-behind Children's Well-being in Rural Highlands: The Nexus of Pasture Productivity, Family Processes, Labor Migrants, and Child Development." PSU Social Science Research Institute and Institutes of Energy and the Environment. \$50,000. Co-PIs: Mark Feinberg, Jennifer Glick, Erica Smithwick, and Scott Yabiku. Project dates: 7/1/2017–6/30/2019.

8. Co-PI. "Predictive Modeling of Health Risks and Outcomes from Clinical, Environmental, Contextual, Behavioral Data: A Proof-of-Concept Study Focused on Breast Cancer in Central Pennsylvania." PSU. \$50,000. PIs: Vasant Honavar and Eugene Lengerich. Other collaborators: Cynthia Chuang, Wenke Hwang, and Susann Schetter. Project dates: 6/1/2017–5/31/2018.
9. Participant. "W4001: Social, Economic and Environmental Causes and Consequences of Demographic Change in Rural America." National Institute of Food and Agriculture, U.S. Department of Agriculture. PI: John Cromartie. Project dates: 10/1/2017–9/30/2022.
10. Collaborator. "Integrated Data Systems Solutions for Health Equity." Penn State's 2016-2020 Strategic Plan. \$180,000. PI: Susan McHale. Project dates: 7/1/2017–6/30/2019.
11. Collaborator. "Digital Collaboratory for Precision Health Research." Penn State's 2016-2020 Strategic Plan. \$250,000. PI: Vasant Honavar. Project dates: 7/1/2017–6/30/2019.

Research Grants under Review

12. PI. "CNH-L: Coupled Pasture-Migrant Systems in Montane Agropastoralist Communities: Untangling Interactions of Environmental Change, Remittances, Demographics, and Children's Well-Being." National Science Foundation. \$1,600,000. Co-PIs: Eric Smithwick, Geoffrey Henebry, Scott Yabiku, and Jennifer Glick. Project dates: 7/1/2018–6/30/2022.
13. PI. "RR: The Generalizability and Replicability of Twitter Data for Population Research." National Science Foundation. \$584,352. Co-PIs: Junjun Yin, Jennifer Van Hook, Eric Plutzer, and Heng Xu. Project dates: 7/1/2018–6/30/2021.
14. Consultant. "Play & Learning Across a Year (PLAY)." NIH. \$multi-million. PIs: Karen E. Adolph, Catherine Tamis-Lemonda, and Rick Gilmore. Other team members: about 5 dozens. Project dates: 4/1/2018–3/31/2023.
15. Co-I. "The Center for Innovation in Intensive Longitudinal Studies (CIILS)." National Institutes of Health. \$1,873,420. PI: Sy-Miin Chow. Ten other co-Is. Project dates: 7/1/2018–6/30/2022.
16. Co-I. "Food Environments, Diet, and Weight Among Hispanics." National Institutes of Health. \$413,480. PI: Jennifer Van Hook. Other co-I: Edward Jaenicke. Project dates: 7/1/2018–6/30/2020.
17. SP. "IGE: Individualized Pathways and Resources to Adaptive Control Theory-Inspired Scientific Education (iPRACTISE)." National Science Foundation. \$499,442. PI: Sy-Miin Chow. Co-PI: Nilam Ram. Project dates: 7/1/2018–6/30/2021.
18. PI. "The Generalizability and Replicability of Twitter Data for Population Research." PSU Institute for CyberScience. \$35,000. Co-PIs: Junjun Yin, Jennifer Van Hook, Eric Plutzer, and Heng Xu. Project dates: 4/1/2018–3/31/2019.
19. Co-PI. "Understanding International Visitors to National Parks through Big Data and Machine Learning." PSU Institute for CyberScience. \$35,000. PI: Bing Pan. Other co-PIs: Derrick Taff, Peter Newman, and Jennifer Thomsen. Project dates: 6/15/2018–7/14/2019.

20. SP. "CNH-RCN: Enhancing biodiversity and global change resilience within coupled agroecosystems on Pan-American smallholder farms (RESILIAM)." National Science Foundation. \$498,866. PI: Kathleen Halvorsen. Co-PIs and other SPs: 23. Project dates: 9/1/2018–8/31/2022.

Completed Research Support

21. Co-I. "Neighborhood Effects on Health in Pennsylvania." Pennsylvania Tobacco Settlement Fund. \$107,494. PI: Cynthia Chuang. Other co-Is: eight researchers. Project dates: 6/1/2016–12/31/2017.
22. Co-I. "Aggressive Prostate Cancer in Pennsylvania: Health Disparities and Environmental Risk Factors." PSU Pathway to Partnership Stage I. \$5,000. Co-PIs: Ming Wang and Alicia C. McDonald. The other co-I: Sheldon L. Holder. Project dates: 8/1/2016–2/1/2017.
23. Co-I. "A Household-level Longitudinal Investigation into the Food Environment's Impact on Food Behavior and Health." PSU Social Science Research Institute and Penn State Institutes of Energy and the Environment. \$20,000. PI: Jennifer Van Hook. Other co-Is: Justine Blanford, Edward Jaenicke, and Douglas Wrenn. Project dates: 7/1/2015–6/30/2016.
24. Co-PI. "Population Health Research in the Era of Big Data." PSU Pathway to Partnership Stage I. \$5,000. The other co-PI: Cynthia Chuang. Project dates: 6/1/2015–11/1/2015.
25. PI. "The Economic Demography of Passenger Intermodal Transportation: Opportunities and Challenges." National Center for Intermodal Transportation for Economic Competitiveness, U.S. Department of Transportation. \$199,858 (Award # DTRT12GUTC14-201307). Project dates: 07/1/2013–12/31/2015.
26. PI. "Economic and Demographic Impacts of Passenger Rail Systems: A Scenario Analysis of Restoring the Passenger Rail Corridor between New Orleans and Orlando." National Center for Intermodal Transportation for Economic Competitiveness, U.S. Department of Transportation. \$201,226 (Award # DTRT12GUTC14-201308). Project dates: 05/15/2013–12/31/2015.
27. PI. "School Enrollment Projections." South Dakota Rapid City School District. \$11,500. Project dates: 11/1/2014–2/28/2015. [Contract]
28. Co-PI. "Developing a Baseline Homeownership for the South Dakota Native Homeownership Coalition." The Lakota Funds. \$20,571. Project dates: 01/01/2015–5/31/2015. [Declined]
29. Co-PI. "Mississippi Highway Patrol Data and Analysis Program: Year Six." National Highway Traffic Safety Administration, Mississippi Highway Patrol, and Mississippi Department of Public Safety. \$238,811 (Award # 14-MC-401-1). PI: Tonya Thornton-Neaves. Project dates: 10/01/2013–09/30/2014.
30. Co-PI. "Big Data Analysis in Transportation and Sociology." Office of Research and Economic Development, Mississippi State University. \$2,000. PI: Xiaopeng Li. Other co-PIs: Linkan Bian and Li Zhang. Project dates: 8/16/2013–8/15/2014.

31. PI. "Passenger Usages of the Intermodal Transportation System: An Analysis of the 2009 National Household Travel Survey Data." National Center for Intermodal Transportation for Economic Competitiveness, U.S. Department of Transportation. \$65,459 (Award # DTRT12GUTC14-12050543). Project dates: 07/01/2012–08/15/2013.
32. Faculty Affiliate. "National Center for Intermodal Transportation and Economic Competitiveness." Mississippi State University, University of Denver, Hampton University, Louisiana State University, and University of Mississippi. U.S. Department of Transportation, University Transportation Center Program. \$3,500,000. PI: Burak Eksioglu. Project dates: 2012–2014.
33. Co-PI. "Mississippi Highway Patrol Data and Analysis Program: Year Five." National Highway Traffic Safety Administration, Mississippi Highway Patrol, and Mississippi Department of Public Safety. \$194,557 (Award # 13-K9-401-1). PI: Tonya Thornton-Neaves. Other co-PI: Arthur G. Cosby. Project dates: 10/01/2012–09/30/2013.
34. Co-PI. "Infrastructure and Livable Community." Office of Research and Economic Development, Mississippi State University. \$2,000. PI: Xiaopeng Li. Other co-PI: Chuo Li. Project dates: 8/16/2012–8/15/2013.
35. Research Scientist. "Mississippi Highway Patrol Data and Analysis Program: Year Four." National Highway Traffic Safety Administration, Mississippi Highway Patrol, and Mississippi Department of Public Safety. \$270,466. PI: Arthur G. Cosby (Award # 12-K9-401-1). Project dates: 10/01/2011–09/30/2012.
36. PI. "Social and Spatial Implications of Gasoline Price Changes on Commuting Behaviors." Henry Family Research Fund, College of Arts and Sciences, Mississippi State University. \$5,000. Project dates: 06/01/2011–05/31/2012.
37. Research Scientist. "Mississippi Highway Patrol Data and Analysis Program: Year Three." National Highway Traffic Safety Administration, Mississippi Highway Patrol, and Mississippi Department of Public Safety. \$277,225 (Award # 11-K9-401-1). PI: Arthur G. Cosby. Project dates: 10/01/2010–09/30/2011.
38. PI. "Assessing Economic and Demographic Impacts of Intermodal Transportation Systems." National Center for Intermodal Transportation, U.S. Department of Transportation. \$44,112 (Award # 363010100-07070609-09090917). Project dates: 08/16/2009–08/15/2010.
39. Research Scientist. "Mississippi Highway Patrol Data and Analysis Program: Year Two." National Highway Traffic Safety Administration, Mississippi Highway Patrol, and Mississippi Department of Public Safety. \$392,160 (Award # 10-K9-401-1). PI: Arthur G. Cosby; Co-PI: Angela Robertson. Project dates: 10/01/2009–09/30/2010.
40. Co-PI. "Modeling Economic Benefits of Resilience Enhancement Strategies for Intermodal Transportation Systems." National Center for Intermodal Transportation, U.S. Department of Transportation. \$57,519 (Award # 363010100-009067-018). PI: Li Zhang; Other co-PI: Mingzhou Jin. Project dates: 07/01/2009–06/30/2010.

41. Research Scientist. "Mississippi Highway Patrol Data and Analysis Program: Year One." National Highway Traffic Safety Administration, Mississippi Highway Patrol, and Mississippi Department of Public Safety. \$516,632 (Award # 09-K9-401-1). PI: Arthur G. Cosby; Co-PI: Angela Robertson. Project dates: 10/01/2008–09/30/2009.

PRESENTATIONS

Invited Presentations

1. "Environmental Migration: The Implications of Climate Change, Demographic Dynamics, Globalization, and Geopolitics." October 13, 2017. Department of Environmental Science and Engineering, Fudan University.
2. "Left-Behind Children: The Impacts of Labor Migration, Remittances, and Poverty in Kyrgyzstan." October 11, 2017. Workshop on "The One-Belt-One-Road Strategy and Its Implications for International Migration and Socioecological Change." Asian Demographic Research Institute, Shanghai University.
3. "From Environmental Change to Left-behind Children's Well-being in Rural Highlands: The Nexus of Pasture Productivity, Family Processes, Labor Migrants, and Child Development." July 13, 2017. International University of Kyrgyzstan, Bishkek, the Kyrgyz Republic.
4. "Environmental Migration." June 19, 2017. College of Pastoral Agriculture Science and Technology, Lanzhou University.
5. "Ecological Migration in Rural Drylands of Central and East Asia within a Coupled Community and Pasture System Framework: The Implications of Climate Change, Demographic Dynamics, Globalization, and Geopolitics." June 2, 2017. Workshop on "Coupled Human Nature System in Mongolian Plateau" (NSF) and "Urbanization and Sustainability under Global Change and Transitional Economies in Southeast, East, and North Asia (SENA)" (NASA). Ulaanbaatar, Mongolia.
6. "Spatial and Computational Analysis for Social Science Research in the Era of Big Data." December 14, 2016. The Taste of Methodology Training Workshop, the Methodology Center, The Pennsylvania State University.
7. "Environmental Demography: The Power of Computational and Spatial Analysis for Population Research in the Era of Big Data." November 4, 2016. The Stochastic Modeling and Computational Statistics seminar series, Department of Statistics, The Pennsylvania State University.
8. "Spatial Variation in Amenity-Driven Rural Development: Implications of Economic Climate, Transportation Infrastructure, and Land Use." October 28, 2016. School of Agricultural Economics and Rural Development, Renmin University of China, Beijing, China.
9. "Environmental Demography: The Power of Computational and Spatial Analysis for Population Research in the Era of Big Data." October 20, 2016. The Center for Urban Future Research and the Geosoft Laboratory of the Institute for Remote Sensing and Geographic Information Systems, Peking University, Beijing, China.
10. "Amenity-Driven Rural Development: Implications of Economic Climate, Transportation Infrastructure, and Land Use." October 14, 2016. Agricultural Economic Management Research Center, Ocean University of China, Qingdao, China.
11. "Spatial Variation in Amenity-Driven Rural Development: Implications of Economic Climate, Transportation Infrastructure, and Land Use." October 12, 2016. Department of Land Resources and Tourism Sciences, Nanjing University, Nanjing, China.

12. "Environmental Demography: The Power of Computational and Spatial Analysis for Social Science Research in the Era of Big Data." October 10, 2016. School of Social Development, East China Normal University, Shanghai, China.
13. "Amenity-Driven Rural Development: Implications of Economic Climate, Transportation Infrastructure, and Land Use." October 8, 2016. School of Ecology and Environmental Sciences, East China Normal University, Shanghai, China.
14. "Spatial Data Analysis Methods." August 7, 2016. The Innovative Methods Workshop, the annual meeting of the Rural Sociological Society, Toronto, CA.
15. "Sociodemographic Resilience of High Elevation Communities: Migration, Climate Change, and Geopolitics in the Kyrgyz Republic." July 21, 2016. University of Central Asia, Bishkek, the Kyrgyz Republic.
16. "Spatial Data Analysis Methods." June 17, 2016. The Gender Research and Integrated Training Workshop, The Pennsylvania State University.
17. "Environmental Demography and Spatial Analysis for Population Health Research." May 5, 2016. The Public Health Sciences Seminar, The Pennsylvania State School of Medicine.
18. "Spatial Analysis for Population Health Research." April 19, 2016. The Biostatistics, Epidemiology and Research Design (BERD) Group Seminar Series, the Clinical and Translational Science Institute, The Pennsylvania State University.
19. "Rural Development." Office of Executive Leadership Education, Temple University, March 3, 2016, Philadelphia, PA.
20. "Environmental Demography: The Power of Computational and Spatial Analysis in the Era of Big Data." February 18, 2016. The Methodology Center Brown Bag Seminar, The Pennsylvania State University.
21. "Social and Spatial Implications of Gasoline Price Increases." November 20, 2015. The Rural Sociology Brown Bag Series, Department of Agricultural Economics, Sociology, and Education, The Pennsylvania State University.
22. "Social and Spatial Implications of Gasoline Price Increases." November 16, 2015. The Changing American Neighborhoods and Communities Working Group, The Pennsylvania State University.
23. "Population-Infrastructure Nexus: A Heterogeneous Flow-based Approach for Responding to Disruptions in Interdependent Infrastructure Systems." With Xiaopeng Li and Mengqi Hu. October 22, 2015. National Workshop on Resilience Research (NWRR) for Critical Infrastructure: Current Status and Challenges, the National Science Foundation.
24. "Environmental Demography and Computational and Spatial Analysis." October 19, 2015. Quantitative Developmental Systems Methodology, The Pennsylvania State University.
25. "Patient Centered Research: The Power of GIS in the Era of Big Data." October 16, 2015. Hershey School of Medicine, The Pennsylvania State University.
26. "Population-Centered Big Data Research." September 30, 2015. Big Data Social Science IGERT program, The Pennsylvania State University.
27. "Amenity-Driven Development." December 1, 2014. The Geospatial Sciences Center for Excellent, South Dakota State University.
28. "Spatial Variation in Amenity-Driven Rural Development: Implications of Economic Climate, Transportation Infrastructure, and Land Use." September 29, 2014. The Department of Agricultural Economics, Sociology, and Education, the Population Research Institute, and the Social Science Research Institute at the Pennsylvania State University.
29. "An Integrated Population-Environment Framework." September 18, 2014. Department of Geography at South Dakota State University.
30. "Social and Spatial Implications of Gasoline Price Increases." August 27, 2014. E.A. Martin Program in Human Nutrition at South Dakota State University.

31. "Social and Spatial Implications of Gasoline Price Increases." March 18, 2014. Department of Geography at the University of Toronto Mississauga.
32. "Social and Spatial Implications of Gasoline Price Increases." February 16, 2014. Department of Sociology and Anthropology at the University of Texas at El Paso.
33. "South Dakota State Data Center." February 10, 2014. Department of Sociology and Rural Studies at the South Dakota State University.
34. "History of Transportation." June 5, 2013. Mississippi Intermodal Transportation Workshop for K-12 Teachers, Starkville, MS.
35. "Social and Spatial Implications of Gasoline Price Increases." March 13, 2013. The Center for the Study of Social Justice, the Department of Sociology, and the Department of Geography at the University of Tennessee-Knoxville.
36. "Transportation Impacts on Population Change along the Urban-Rural Continuum." November 21, 2011. Department of Geography at the University of Utah.
37. "Remote Rural Migration, Amenity-Driven Development, and Small Town Demographic Change: A Spatially-Explicit Lake States Assessment." June 9, 2011. Presidential Symposium (with David W. Marcouiller) to the annual meeting of the Mid-Continent Regional Science Association, Detroit, MI.
38. "The Impacts of Highway Expansion on Population Change: A Spatial Demographic View." November 6, 2009. Transportation Working Group and National Center for Intermodal Transportation Seminar Series, College of Engineering, Mississippi State University.
39. "An Integrated Spatial Approach for Examining Population-Environment Interactions: The Impact of Highway Expansion on Population Change." November 12, 2007. Department of Sociology, Anthropology, and Social Work at Mississippi State University.
40. "Small-Area Population Forecasting: Building upon a Systematic Spatio-Temporal Population Model." February 26, 2007. Department of Geography and the Environmental Science and Policy Program, Michigan State University.
41. "Small-Area Population Forecasting and Spatio-Temporal Modeling: Demographics, Livability, Accessibility, Desirability, and Developability." December 7, 2006. Department of Geography, the State University of New York at Buffalo.
42. "Small-Area Population Forecasting and Spatio-Temporal Modeling: Demographics, Accessibility, Developability, Desirability, and Livability." June 7, 2006. The Social Science Research Center at Mississippi State University.
43. "A Spatio-Temporal Population Change Model: Demographics, Accessibility, Developability, Desirability, and Livability." April 20, 2006. The Spatial Information and Analysis Consortium Seminars of University of Wisconsin-Madison.
44. "The Application of Spatial-Temporal Regression Analysis to Small-Area Population Forecasting." April 15, 2005. The Spatial Information and Analysis Consortium Seminars of University of Wisconsin-Madison.
45. "An Examination of the Causality between Highway Expansion and Population Change." April 16, 2004. Urban Transportation Center Seminar Series, University of Illinois-Chicago.

Conference Presentations (in the past three years)

46. Chi, Guangqing, Annelise Hagedorn*, Christian Scott*, Jennifer Glick, Scott Yabiku, and Geoffrey Henebry. 2017. "Left-Behind Children: The Impacts of Labor Migration, Remittances, and Poverty in Kyrgyzstan." Presented at the 28th International Population Conference of the International Union for the Scientific Study of Population, October 29–November 4, 2017, Cape Town, South Africa.
47. Chi, Guangqing, Jennifer Van Hook, Junjun Yin. 2017. "Predicting Twitter User Demographics as a First Step in Big Data for Population Research." Presented at the 28th International Population

Conference of the International Union for the Scientific Study of Population, October 29–November 4, 2017, Cape Town, South Africa.

48. Chi, Guangqing and Donghui Wang*. 2017. "Who Is Predictable? Evaluating the Associations of Population Projection Accuracy with Sociodemographics, Accessibility, Land Use, Neighbor Characteristics, and Their Spatial Variations." Presented at the annual meeting of the Southern Demographic Association, October 25–27, 2017, Morgantown, WV.
49. Chi, Guangqing, Annelise Hagedorn*, Christian Scott*, and Geoffrey Henebry. 2017. "Left-Behind Children in Kyrgyzstan: Lost in Labor Migration, Remittances, and Poverty." Presented at the annual meeting of the Central Eurasian Studies Society, October 5–8, 2017, Seattle, WA.
50. Scott, Christian*, Annelise Hagedorn*, and Guangqing Chi. 2017. "Mountainous Cultivation: Food, Land, and Agricultural Practices in Rural Kyrgyzstan." Presented at the annual meeting of the Rural Sociology Society, July 27–30, 2017, Columbus, OH.
51. Kasu, Bishal* and Guangqing Chi. 2017. "Transportation Infrastructures and Socioeconomic Statuses: A Spatial Regression Analysis at the County Level in the United States, 1970–2010." Presented at the annual meeting of the Rural Sociology Society, July 27–30, 2017, Columbus, OH.
52. Chi, Guangqing and Donghui Wang*. 2017. "Who Is Predictable? Evaluating the Associations of Population Projection Accuracy with Sociodemographics, Accessibility, Land Use, Neighbor Characteristics, and Their Spatial Variations." Presented at the annual meeting of the Population Association of America, April 27–29, 2017, Chicago, IL.
53. Hagedorn, Annelise D.*, Donghui Wang*, and Guangqing Chi. 2017. "Remittances and Livelihoods in the Kyrgyz Republic in the Post-Soviet Union Era: Evidence from the Life in Kyrgyzstan Survey, 2011–2013." Presented at the annual meeting of the Population Association of America, April 27–29, 2017, Chicago, IL.
54. Kasu, Bishal* and Guangqing Chi. 2017. "Impacts of Transport Infrastructures on Population and Employment Change in the United States, 1970–2010." Presented at the annual meeting of the Population Association of America, April 27–29, 2017, Chicago, IL.
55. Huang, Xuetao* and Guangqing Chi. 2017. "Residential Mobility in the Post-Great Recession of Los Angeles: Sociodemographic Variations." Presented at the annual meeting of the Population Association of America, April 27–29, 2017, Chicago, IL.
56. Wang, Wei-Lin*, Junjun Yin, and Guangqing Chi. 2017. "Who Are You? Estimating Demographics of Twitter Users." Presented at the annual meeting of the Population Association of America, April 27–29, 2017, Chicago, IL.
57. Scott, Christian*, Guangqing Chi, Annelise Hagedorn*, and Donghui Wang*. 2016. "The Role of Agriculture and Social Connectedness in Household Food Security within Rural Kyrgyzstan." Presented at the Penn State's 4th Annual Rural Studies Student Conference. October 28–29, 2016, University Park, Pennsylvania.
58. Chi, Guangqing, Christian Scott*, Annelise D. Hagedorn*, Donghui Wang*, and Geoffrey M. Henebry. 2016. "Sociodemographic Resilience of High-Elevation Communities: Geopolitics, Remittances, and Climate Change in Kyrgyzstan, 1991–2015." Presented at the Global Land Programme 3rd Open Science Meeting, October 24–27, 2016, Beijing, China.
59. Hagedorn, Annelise D.*, Donghui Wang*, and Guangqing Chi. 2016. "Remittance Receipt and Household Spending in Kyrgyzstan." Presented at the XIV World Congress of Rural Sociology, August 10–14, 2016, Toronto, Canada.
60. Chi, Guangqing, Annelise D. Hagedorn*, Donghui Wang*, Kamilya Kelgenbaeva, and Geoffrey M. Henebry. 2016. "Agricultural Production in the Post-Soviet Kyrgyzstan: The Implications of Land Use, Sociodemographic Changes, and Economic Development." Presented at the annual meeting of the Rural Sociology Society, August 7–10, 2016, Toronto, Canada.

61. Chi, Guangqing. 2016. "Natural Amenities and Rural Development: Implications of Spatial Variation, Economic Climate, Transportation Infrastructure, and Land Use." Presented at the annual meeting of the International Symposium on Society and Resource Management, June 22–26, 2016, Houghton, MI.
62. Chi, Guangqing, Annelise D. Hagedorn*, Donghui Wang*, Kamilya Kelgenbaeva, and Geoffrey M. Henebry. 2016. "Agricultural Production in the Kyrgyz Republic in the Post-Soviet Union Era: The Implication of Demographic Changes." Presented at the International Scientific-Practical Conference on Challenges in Adaptation of Central Asian Mountain Regions to Global Changes, April 6–April 9, 2016, Bishkek, The Kyrgyz Republic.
63. Chi, Guangqing and Donghui Wang*. 2016. "Small-Area Population Forecasting: A Geographically Weighted Regression Approach." Presented at the annual meeting of Population Association of America, March 31–April 2, 2016, Washington, D.C.
64. Li, Chuo, Amir Ghiasi, Xiaopeng Li, and Guangqing Chi. 2016. "Socio-demographic Characteristics Associated with Access to Organic and Local Food." Presented at the annual meeting of the Transportation Research Board, January 10–14, 2016, Washington, D.C.
65. Chi, Guangqing. 2015. "Spatial Variation in Amenity-Driven Rural Development: Implications of Economic Climate, Transportation Infrastructure, and Land Use." Presented at the annual meeting of the Rural Sociology Society, August 6–9, 2015, Madison, WI.
66. Kasu, Bishal* and Guangqing Chi. 2015. "The Impact of Passenger Rails on Population and Employment Change in the United States, 2000-2010." Presented at the annual meeting of the Rural Sociology Society, August 6–9, 2015, Madison, WI.
67. Chi, Guangqing and Donghui Wang*. 2015. "Building a Spatial Regression Model for Population Forecasting." Presented at the 8th International Conference on Population Geographies, June 30–July 3, 2015, Brisbane, Australia.
68. Chi, Guangqing and Jamie Boydston*. 2015. "Gasoline Price Changes and Residential Relocation: Evidence from the American Housing Survey, 1996-2008." Presented at the 8th International Conference on Population Geographies, June 30–July 3, 2015, Brisbane, Australia.
69. Ghiasi, Amir, Chuo Li, Xiaopeng Li, and Guangqing Chi. 2015. "Socio-Demographic Characteristics Associated with the Location of Organic and Local Food." Presented at the SDITE Annual Meeting, April 19–22, 2015, Biloxi, MS.
70. Parsafard, Mohsen, Guangqing Chi, and Xiaopeng Li. 2014. "Evaluating Social Media Data Appropriateness for Travel Demand Analysis: A Time Geography Approach." Presented at the INFORMS Annual Meeting, November 9–12, 2014, San Francisco, CA.
71. Boydston, Jamie*, Maggie Bohm*, and Guangqing Chi. 2014. "Public Transportation and Destination Preference of Hispanic Immigrants." Presented (poster) at the annual meeting of Population Association of America, May 1–3, 2014, Boston, MA.
72. Chi, Guangqing and Jamie Boydston*. 2014. "Gasoline Price Changes and Residential Relocation: Evidence from the American Housing Survey, 1996-2008." Presented at the annual meeting of the Association of American Geographers, April 8–12, 2014, Tampa, FL.

Extension Presentations

73. "Social and Spatial Implications of Gasoline Price Declines." Rotary Club, January 15, 2015, Watertown, SD.
74. "The Demography of Millennials." The Annual Conference of South Dakota, October 29, 2014, Pierre, SD.
75. "Demographic and Socioeconomic Data Sources in the Big Data Era." South Dakota State University Extension Fall Conference, October 15, 2014, Brookings, SD.

TEACHING AND SUPERVISING

PSU = Pennsylvania State University; SDSU = South Dakota State University; MSU = Mississippi State University

Courses Taught at PSU

RSOC 597 Elements of Social Statistics. Spring 2018.
CED 410 Population and Environment. Spring 2017.
RSOC 597 Spatial Analysis of Social Data. Spring 2016.

Courses Taught at MSU

SO4703/6703 Population Problems. Fall 2012; Fall 2013.
SO4990/6990 Transportation and Society. Spring 2012; Spring 2013.
SO8243 Spatial Analysis of Social Data. Fall 2008; Summer 2011; Spring 2014.
SO8274 Graduate Social Statistics I. Spring 2009; Spring 2010; Spring 2011.
SO8284 Graduate Social Statistics II. Fall 2009; Fall 2010; Fall 2011.

Ph.D. and M.S. Advisees

Donghui Wang, Rural Sociology and Demography, PSU, PhD in progress (co-advised with Leif Jensen)
Christian Scott, Rural Sociology and International Agriculture and Development, PSU, PhD in progress
Shuai Zhou, Rural Sociology and Demography, PSU, MS in progress
Xiaoran Sun, Social Data Analytics, PSU, (research rotation advisee)
Bridget Ward, Geographic Information Systems, PSU, MS 2017 (GIS Analyst, HDR, Inc.)
Bishal Kasu, Sociology and Rural Studies, SDSU, PhD 2017 (Postdoc, South Dakota State U)
Derrick Shapley, Sociology, MSU, PhD 2015 (Assistant Professor, Troy U)

Ph.D. Dissertation and M.S. Thesis Committees

Wei-Lin Wang, Rural Sociology and Demography, PSU, PhD in progress
Yunmei Lu, Sociology, PSU, PhD in progress
Abou Traore, Rural Sociology, PSU, PhD in progress
Bo Bian, Economics, PSU, PhD in progress
Richard Bankoff, Bioethics and Anthropology, PSU, PhD in progress
Qiong Zhu, Higher Education, PhD in progress
Boning Zhang, Petroleum and Natural Gas Engineering, PSU, MS in progress
Mohsen Parsafard, Civil and Environmental Engineering, U South Florida, PhD 2017
Chia-Yueh Hus, Social Work and Social Administration, U of Hong Kong, PhD 2017 (External Examiner)
Andrew Gladfelter, Criminology, PSU, PhD 2016
Danya Kim, Urban and Regional Planning, U of Wisconsin-Madison, PhD 2016
Jamie Boydston, Sociology, MSU, PhD 2014 (Assistant Professor, U Louisiana)
Onyumbé E. Lukongo, Finance and Economics, MSU, PhD 2014 (Assistant Professor, Southern U and A&M College)
Li Zheng, Sociology, MSU, PhD 2013 (Assistant Professor, Sichuan U)
Philip Mason, Sociology, MSU, PhD 2012 (Assistant Professor, U of South Carolina-Aiken)
Kaustav Misra, Finance and Economics, MSU, PhD 2010 (Assistant Professor, Saginaw Valley State U)
John S. McCown, Sociology, MSU, MS 2011
Jamie Boydston, Sociology, MSU, MS 2009

Assistants Funded and/or Supervised

RA = Research Associate; GRA = Graduate Research Assistant; GTA = Graduate Teaching Assistant; URA = Undergraduate Research Assistant

Donghui Wang (PSU GRA 2015–)
Christian Scott (PSU GRA 2016–)
Wei-Lin Wang (PSU GRA 2016–)
Shuai Zhou (PSU GRA 2017–)
Annelise D. Hagedorn (PSU GRA 2015–2017)
Xuetao Huang (PSU GRA 2015–2016)
Bishal Kasu (SDSU GRA 2014–2015)
Mary Kill-A-Hundred (SDSU GRA 2014–2015)
Susan Yerhot (SDSU GRA 2014–2015)
Jamie Boydston (MSU GRA 2011–2013)
Willie Brown (MSU RA 2013–2014)
Paul Gilbert (MSU GRA 2008–2010)
Taylor Hackemack (MSU URA 2011–2014)
Derrick Ho (MSU GRA 2012)
Bishal Kasu (MSU GRA 2013–2014)
Tim McClure (MSU GRA 2011–2012)
John McCown (MSU GTA 2009–2011)
Xiaojin Song (MSU GTA 2012)
Xuan Zhou (MSU GRA 2009–2011)

Visiting Scholars/Students Hosted

Yingxia Pu (Nanjing University, 2018)
Feifei Chen (Renmin University of China, 2018)
Wanxu Chen (China University of Geosciences, 2017–2019)
Kun Li (Fudan University, 2017)
Myrzagul Mamadiarova (International University of Kyrgyzstan, 2017)
Feng Xu (China University of Geosciences, 2016–2018)

PROFESSIONAL AFFILIATIONS

Population Association of America, Association of American Geographers, Regional Science Association International, Southern Demographic Association, Rural Sociology Society

PROFESSIONAL SERVICE

Disciplinary Service

Deputy Editor, *Demography* 2016–2019

Editorial Board member, *Spatial Demography* 2012–present

Grant panelist/reviewer for

NSF Sociology program (2018)
European Research Council (ERC) Advanced Grant (2017)
NIH Special Emphasis Panel 01 ZAG1 ZIJ-5 (2017)
NIH Special Emphasis Panel ZRG1 PSE-C 04 (2016)
NASA Postdoctoral Program (2016)
NSF Engineering Research Centers program (2015)
NIH Social Science and Population Studies B (2015)
NSF Methodology, Measurement, and Statistics program (2014)
NSF Geography and Spatial Sciences program (2013)

Review project reports for

USDA Forest Service (2013)

Review manuscripts for journals

American Journal of Agricultural Economics; American Journal of Public Health; American Journal of Preventive Medicine; Annals of Operations Research; Annals of Regional Science; Applied Ecology and Environmental Research; Applied Spatial Analysis and Policy; BMC Public Health; Bulletin of Geography, Socio-economic Series; Computers, Environment and Urban Systems; Demographic Research; Demography; Ecological Economics; Ecological Processes; Economic Papers; Environment and Planning A; Environmental Monitoring and Assessment; Geographical Analysis; Growth and Change; International Journal of Digital Earth; International Journal of Geographical Information Science; Jahrbuch für Regionalwissenschaft (Review of Regional Research); Journal of Environmental Planning and Management; Journal of Geographical Systems; Journal of Healthcare Informatics Research; Journal of Maps; Journal of Regional Analysis and Policy; Journal of Transport and Land Use; Journal of Urban Technology; Land; Landscape and Urban Planning; Mathematical Population Studies: An International Journal of Mathematical Demography; Papers in Regional Science; Population and Environment; Population Research and Policy Review; Population, Space and Place; Preventive Medicine; Review of Regional Studies; Regional Studies; Rural Sociology; Social Forces; Social Science and Medicine; Social Science Research; Spatial Demography; Scientific Reports; Sustainability; The Rangeland Journal; Theory, Culture & Society; Transport Policy; Transportation Research Part A: Policy and Practice; Transportation Research Record; Urban Studies

Article Editor, *SAGE Open* 2014

Review books for publishers

Routledge

Invited Participant, Towards Scenarios of U.S. Demographic Change, the Scenarios and Interpretive Science Coordinating Group, U.S. Global Change Research Program, 2014

Population Association of America

Chair, 2018 Program Subcommittee on Population, Environment, and Development
Organizer, Sessions “Population, Development, and Environment” and “Climate Change, Population, and Development”, 2018
Organizer, Sessions “Linking Spatial and Population Data I: Environmental Demography”, “Linking Spatial and Population Data II: Climate Change and Health”, “Linking Spatial and Population Data III: Climate Change and Population Change”, 2017

Chair, Session "Linking Spatial and Population Data I: Environmental Demography", 2017
Discussant, Session "Estimation and Projection Methods," 2017
Discussant, Session "Innovative Spatial and Network Measures in Demography," 2010

Rural Sociology Society

Panelist, Innovative Methods Workshop, 2016
Session Chair, "Dynamics of Space and Time: Place Dynamics, Amenities, and Temporality," 2009

Southern Demographic Association

Member, Walter E. Terrie Award Committee, 2008–2009, 2009–2010, 2011–2012
Session Chair, "Racial and Ethnic Minorities," 2008

Other Professional Associations

2017, Session Chair, Session "Environmental Change and Migration: Models and Methods,"
International Union for the Scientific Study of Population
2017, Session Chair, Session "Families in Central Asia," The Central Eurasian Studies Society
2016, Session Chair, Session "Development, Resilience, and Livelihoods," International Symposium
on Society and Resource Management
2016, Panelist, Session "Academic Careers," International Symposium on Society and Resource
Management
2016, Roundtable co-leader, Doing Interdisciplinary Work in a Disciplinary World, Interdisciplinary
Association for Population Health Science
2015, Session Chair, Session "Population Projections 2: Households and Housing," International
Conference on Population Geographies
2014, Reviewer, Distinguished Master's Thesis, Midwestern Association of Graduate Schools
2011, Discussant for conference sessions, North American Regional Science Council
2009, Discussant for conference sessions, North American Regional Science Council
2007, Judge, student paper competitions for Session "Remote Sensing, Cartography and GIS,"
American Association of Geographers
2004, Discussant for conference sessions, Mid-Continent Regional Science Association

University Service

Pennsylvania State University

Member, Steering Committee, Social Science Research Institute, 2017–
Member, Steering Committee, Institute for CyberScience, 2017–
Member, Coordinating Committee, Institute for CyberScience, 2017–
At-Large Representative, Internal Advisory Board, Population Research Institute, 2016–
Co-Organizer, the Innovative Methods Working Group, Population Research Institute, 2016–
Member, Advisory Board, Graduate Program in Demography, 2016–
Delegate of Population Research Institute and Social Science Research Institute to the University
Consortium for Geographic Information Science (UCGIS), 2015–
Member, The Scientific Advisory Committee for the Community Sciences and Health Outcomes
Shared Resources, Penn State Cancer Institute, 2016–2018
Facilitator, PSU Pathway to Partnerships P3 Networking on Environmental Factors in Disease, 2016
Member, Research Scientist (social networks and complex systems) Search Committee, Population
Research Institute, 2015
Proposal Reviewer, Bridges to Translation, the Clinical and Translational Science Institute, 2015

Proposal Reviewer, the Clinical and Translational Science Institute, 2017

South Dakota State University

Ad Hoc Member, Multidisciplinary Centers Committee, SDSU, 2014–2015

Mississippi State University

Robert Holland Faculty Senate, MSU, 2014

Organizer, Big Data Week, MSU, 2014

Judge, student paper competitions

2011, Behavior and Social Sciences session, Mississippi Region V Science Fair, MSU

2011, Transportation, Supply Chain and Logistics Management Workshop, Deep South INFORMS
Regional Chapter and the MSU Transportation Working Group

2010, the 2nd Annual Transportation Workshop, MSU

University of Wisconsin-Madison

Delegate of the Wisconsin Chinese Alumni Association to the annual meeting of Multi-State Working
Group on Environmental Performance, 2005, Grand Rapids, MI

Coordinator, UW Chinese Alumni Association Lecture Series, University of Wisconsin-Madison,
2003–2004

College Service

PSU College of Agricultural Sciences

Judge, Life Science Symposium, 2017

Member, Research Computing Community of Practice Group, 2016

MSU College of Arts and Sciences

Reviewer, Henry Family Research Fund, 2012–2013, 2013–2014

Departmental Service

PSU Department of Agricultural Economics, Sociology, and Education

Member, Promotion and Tenure Committee, 2016–2017, 2017–2020

Member, Faculty Search Committee (Food, Energy, and Environmental Economics), 2017–2018

Member, Faculty Search Committee (Food, Health, and Agricultural Policy), 2017–2018

Member, ME John Seminars and Rural Sociology Brownbag Series Committee, 2017–2018

Member, Honors and Awards Committee, 2015–2016, 2016–2017

Member, Rural Sociology Graduate Program Committee, 2015–2016

Member, Search Committee Faculty (Community), 2015–2016

SDSU Department of Sociology and Rural Studies

Member, Promotion and Tenure Committee, 2014–2015

Member, Faculty Search Committee (Environmental Sociology and Population), 2014–2015

Member, Graduate Program Committee, 2014–2015

Member, Graduate Planning Committee, 2014–2015

MSU Department of Sociology

Coordinator, Computational and Spatial Analysis Laboratory, 2009–2014

Chair, Rural Sociology and Community Preliminary Examination Committee, 2009–2010, 2010–2011,
2011–2012, 2012–2013, 2013–2014

Member, Demography Preliminary Examination Committee, 2010–2011, 2013–2014

Member, Stratification Preliminary Examination Committee, 2008–2009

Member, Faculty Search Committee, 2013–2014

Member, Junior Faculty Representative to Advisory Board, 2011–2012

Member, Faculty Search Committee, 2010–2011
Member, Social Demography and Race Inequality Faculty Search Committee, 2008–2009
Member, Graduate Policy and Curriculum Committee, 2009–2010, 2012–2013
Member, Sociology Qualifying Examination Committee, 2008–2009, 2009–2010, 2010–2011
Member, Sociology MS Exit Examination Subcommittee, 2008–2009, 2009–2010
Member, Ad Hoc Committee on Awards and Recognition, 2012–2013, 2013–2014
Member, Ad Hoc Committee on Technology and Website, 2012–2013

Interviews and Media Appearances (selected from over 2,000 media appearances)

June 13, 2017 – *WalletHub*: “2017’s Best & Worst States for Teen Drivers”
<https://wallethub.com/edu/best-worst-states-for-teen-drivers/4598/#guangqing-chi>

December 1, 2015 – *Kiplinger’s Personal Finance*: “The downside of cheaper gas” by Dandan Zou on p. 18, December issue. <http://www.kiplinger.com/article/insurance/T004-C000-S002-the-downside-of-cheaper-gas.html>

February 15, 2015 – *WDAZ 8 Television ABC*: “Study links price of gas to number of road accidents”
<http://www.wdaz.com/news/3685158-study-links-price-gas-number-road-accidents>

February 10, 2015 – *Claims Journal*: “Cheaper Gas Leads to More Car Crashes”
<http://www.claimsjournal.com/news/national/2015/02/19/261878.htm>

February 15, 2015 – *Star Tribune*: “The Drive: Rising gas prices might make us safer”
<http://www.startribune.com/local/292019741.html>

February 10, 2015 – *Aberdeen News*: “Lower gas prices yield more accidents, study finds”
http://www.aberdeennews.com/news/local/lower-gas-prices-yield-more-accidents-study-finds/article_b9fe60b6-3283-53c6-b263-cf68bb0a04ba.html

February 7, 2015 – *KSFY ABC* (TV interview): “Study shows low gas prices lead to more vehicle crashes”
<http://www.ksfy.com/home/headlines/Study-shows-low-gas-prices-lead-to-more-vehicle-crashes-291158461.html>

January 29, 2015 – *VOAnews* (TV interview): “Falling gasoline prices have downsides”
<http://www.voanews.com/media/video/2619781.html>
(中文: <http://www.voachinese.com/content/low-oil-prices-20150130/2620362.html>)

January 28, 2015 – *Chron*: “Cheap gas leads to more wrecks” <http://www.chron.com/news/houston-traffic/article/Cheap-gas-leads-to-more-wrecks-researcher-claims-6046250.php>

January 18, 2015 – *American Thinker*: “Low gas price-induced roadway Armageddon alarmism”
http://www.americanthinker.com/blog/2015/01/low_gas_price_induced_roadway_armageddon_alarmism.html

January 13, 2015 – *Fox 5 News New York* (TV interview): “Low gas prices: good for economy, bad for road safety” <http://www.myfoxny.com/story/27843455/gas-prices-low>

January 11, 2015 – *NorthJersey.com*: “Road Warrior: Falling Gas Prices May Conceal a Danger”
<http://www.northjersey.com/news/nj-state-news/road-warrior-falling-gas-prices-may-conceal-a-danger-1.1190415?page=all>

January 8, 2015 – *Money*: “How Cheap Gas Can Be Deadly” <http://time.com/money/3659821/cheap-gas-prices-increase-accidents-deaths/>

January 8, 2015 – *The Oregonian*: “Oregon traffic deaths jumped 13 percent in 2014. Are low gas prices to blame?”
http://www.oregonlive.com/commuting/index.ssf/2015/01/oregon_traffic_deaths_jumped_1.html#incart_river

January 7, 2015 – *The Weather Channel*: “The Negative Aspect of Cheap Gas: More Deaths on the Road, Study Says” <http://www.weather.com/travel/news/cheap-gas-downside>

January 7, 2015 – *Huffington Post*: “Lower Gas Prices Mean More Deaths on The Road”
http://www.huffingtonpost.com/2015/01/07/gas-prices-fatalities_n_6425170.html

January 7, 2015 – *South Dakota Public Broadcasting* (live radio interview): “Dakota Midday: Low Gas Prices and Traffic Safety” <http://listen.sdpb.org/post/dakota-midday-low-gas-prices-and-traffic-safety>

January 7, 2015 – *Autoblog*: “Cheap Gas Could Cause Increase in Traffic Deaths”
<http://www.autoblog.com/2015/01/07/cheap-gas-could-cause-increase-in-traffic-deaths/>

January 6, 2015 – *National Public Radio* (radio interview): “The Downside of Cheaper Gas: More Accident Fatalities” <http://www.npr.org/2015/01/06/375308884/the-downside-of-cheaper-gas-more-accident-fatalities>

January 6, 2015 – *Transportationist*: “Gas prices and fatalities”
<http://transportationist.org/2015/01/06/gas-prices-and-fatalities/>

October 19, 2014 – *Fraseropolis*: “Talking Population Forecasting Blues” by Thomas McLeod
<http://fraseropolis.com/2014/10/19/talking-population-forecasting-blues/>

May 23, 2013 – *Mississippi Business Journal*: “MSU Professor Develops National Land Use Index” by Clay Chandler <http://msbusiness.com/magnoliamarketplace/2013/05/msu-professor-develops-national-land-use-index/>

May 22, 2013 – *Mississippi State University Office of University Relations*: “MSU-Developed National Land Developability Index Now Online” by Leah Barbour
<http://www.msstate.edu/web/media/detail.php?id=6051>

August 22, 2011 – *Research!America*: “Back for 2011: Research and the AP Top 25”
<http://www.researchamerica.org/app/webroot/blog/?tag=guangqing-chi>

June 30, 2011 – *Youtube*: “Gasoline Prices and Traffic Safety”
<http://www.youtube.com/watch?v=spEpvBSF9UE>

May 24, 2011 – *BNET*: “Is Cost Fuelling Crashes?” http://findarticles.com/p/news-articles/leicester-mercury/mi_8142/is_20110523/cost-fuelling-crashes/ai_n57529814/

May 18, 2011 – *Loughborough University Public Relations Office*: “Rising Fuel Costs Create Reduction in Traffic Accidents” http://www.lboro.ac.uk/service/publicity/news-releases/2011/57_rising_fuel_costs.html

May 13, 2011 – *Bankrate.com*: “Gas Prices up = Accidents Down” by Jay MacDonald
<http://www.bankrate.com/financing/insurance/gas-prices-up-accidents-down/>

May 11, 2011 – *Infrastructurist*: “New Reports: Higher Gasoline Prices Mean Safer Roads” by Eric Jaffe
<http://www.infrastructurist.com/2011/05/11/new-reports-higher-gas-prices-mean-safer-roads/>

May 9, 2011 – *EHS Today*: “Frustrated by Gas Prices? At Least the Roads Might Be Safer”
<http://ehstoday.com/safety/news/frustrated-gas-prices-safer-roads-0509/>

May 3, 2011 – *U.S. News and World Reports*: “Bright Side of Paying More at the Pump? Fewer Car Crashes” http://www.usnews.com/mobile/articles_mobile/bright-side-of-paying-more-at-the-pump-fewer-car-crashes

May 3, 2011 – *Yahoo! News*: “Bright Side of Paying More at the Pump? Fewer Car Crashes”
<http://news.yahoo.com/bright-side-paying-more-pump-fewer-car-crashes-160404672.html>

May 2, 2011 – *DailyIndia.com*: “High Gas Prices Lead to Decline in Traffic Accidents” by ANI
<http://www.dailyindia.com/show/437653.php>

May 2, 2011 – *BioScholar*: “High Gas Prices Lead to Decline in Traffic Accidents” by ANI
<http://news.bioscholar.com/2011/05/high-gas-prices-lead-to-decline-in-traffic-accidents.html>

May 2, 2011 – *Thaindian News*: “High Gas Prices Lead to Decline in Traffic Accidents” by ANI
http://www.thaindian.com/newsportal/health/high-gas-prices-lead-to-decline-in-traffic-accidents_100532637.html

April 28, 2011 – *Insurance Journal*: “Study: High Gas Prices Lead to Fewer Auto Accidents”
<http://www.insurancejournal.com/news/national/2011/04/28/196534.htm>

April 27, 2011 – *Newswise*: “As Gas Prices Rise, Traffic Accidents Decrease”
<http://www.newswise.com/articles/as-gas-prices-rise-traffic-accidents-decrease>

April 26, 2011 – *Oregonia*: “Oregon's Rising Gas Prices May Be Slowing, AAA Says” by Joseph Rose
http://blog.oregonlive.com/commuting/2011/04/oregons_rising_gas_prices_may.html

April 26, 2011 – *Mississippi State University Office of University Relations*: “Gasoline prices rise = traffic accidents drop: MSU research” by Robbie Ward
<http://www.msstate.edu/web/media/detail.php?id=5231>

June 11, 2010 – *Modeled Behavior*: “Yet Another Externality of Gasoline Consumption” by Adam Ozimek
<http://modeledbehavior.com/2010/06/11/yet-another-externality-of-gasoline-consumption/>

April 7, 2010 – *SunHerald*: “Mississippi ranks last in Internet usage” by Karen Nelson
<http://tribes.tribe.net/niceasatick/thread/c24d8c66-5b61-49a1-8fe2-cee67fc2da25>

June, 2005 – *Multi-State Working Group for Environmental Performance*: “Building bridges across oceans: China's role in a sustainable world” by John Morgan
<http://www.lafollette.wisc.edu/research/environmentalpolicy/mswgchina.html>

PREVIOUS POSITIONS AND AFFILIATIONS

South Dakota State University (2014–2015)

State Demographer of South Dakota

Associate Professor, Department of Sociology and Rural Studies

Director, Rural Life and South Dakota Census Data Center

Member, Federal-State Cooperative Program for Population Estimates, U.S. Bureau of the Census

South Dakota Representative, 2020 Census Redistricting Data Program, U.S. Bureau of the Census

Affiliated Researcher, the Networks, Economics, and Urban Systems (NEXUS) research group,

Department of Civil Engineering, University of Minnesota (2010–2016)

Faculty Affiliate, National Center for Intermodal Transportation for Economic Competitiveness, U.S.

Department of Transportation (2012–2016)

Mississippi State University (2006–2014)

Associate Professor (2013–2014), Department of Sociology

Assistant Professor (2008–2013), Department of Sociology

Research Scientist (2008–2014), Social Science Research Center

Postdoctoral Fellow (2006–2008), Social Science Research Center

University of Wisconsin-Madison (2002–2006)

Research Assistant, Applied Population Laboratory, Center for Demography and Ecology

Michigan Technological University (2000–2002)

Teaching Assistant, Department of Social Sciences

Ching Chu Property Management Co. Ltd., Shanghai, China (1998–2000)

Environmental Project Manager and Internal Auditor of the ISO14001 and ISO9002 Programs

AREAS OF INTERESTS

Demography: environmental demography, spatial demography, applied demography, population change, migration and population redistribution, and population estimation and forecasting;

Smart cities and resilient interdependent infrastructure systems: population-infrastructure dynamics, transportation and population change, neighborhood built environment and population health, and gasoline prices and traffic safety;

Climate change: population-environment dynamics, natural resources and rural development, land use and population change, left-behind children, and community resilience and vulnerability;

Quantitative methods: spatial statistics, spatial analysis and GIS, and Big Data

AWARDS AND HONORS

E. Walter Terrie Best Paper Award in Applied Demography (2017), Southern Demographic Association
(with Donghui Wang)

Faculty Research Award in Social and Behavioral Sciences (2013), College of Arts and Sciences,
Mississippi State University

2nd Place Award (2012), Transportation Workshop, Mississippi State University (with Jamie Boydston)

Cherri M. Musser State Pride Faculty Award (2011), Mississippi State University

Researcher of the Month (February 2011), College of Arts and Sciences, Mississippi State University

William N. Clark State Pride Faculty Award (2010), Mississippi State University

Research Fellow (2008), Social Science Research Center, Mississippi State University

Travel Fellowship (2008), Environmental Demography Workshop, University of Colorado-Boulder

E. Walter Terrie Best Paper Award in Applied Demography (2007), Southern Demographic Association

Student Paper Award (2006), Spatial Information and Analysis Consortium (SIAC), University of
Wisconsin-Madison

Vilas Travel Fellowship (2006), Graduate Student Collaborative, University of Wisconsin-Madison

Student Paper Award (2005), University Consortium for Geographic Information Science (UCGIS)
Summer Assembly, Jackson Hole, WY

Merit Staff (1999), Ching Chu Property Management Co. Ltd., Shanghai, China

REFERENCES

Available upon request.