

Xinyue Ye, Ph.D.
Director, Computational Social Science Lab
Assistant Professor, Department of Geography
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Education

Ph.D. Geography, University of California, Santa Barbara-San Diego State University,
2005-2009 (defended on 2010)

Dissertation: Comparative Space-Time Dynamics (NSF DDRI Award)

Advisor: Sergio Rey, Michael Goodchild, Arthur Getis, Richard Church, Li An

M.S. Geographic Information System, Eastern Michigan University

Thesis: Urban Modeling and Land Use Change Detection in Detroit

Advisor: Yichun Xie

M.A. Human Geography, University of Wisconsin, Milwaukee

Thesis: Intra-provincial Inequality in China under Reform, 1978-1998

Advisor: Yehua Dennis Wei

B.A. Urban Planning, Zhejiang University, China

Main Honors

2014 Publication Service Award, The International Association of Chinese Professionals in
Geographic Information Science

2014 Individual Service Award, The International Association of Chinese Professionals in
Geographic Information Science

2013 Invited to the University Consortium for Geographic Information Science's Geographic
Information Science & Technology Body of Knowledge Task Force Steering Committee, along
with other 24 members across the nation

2013 Individual Service Award, The International Association of Chinese Professionals in
Geographic Information Science

2012 Regional Development and Planning (RDPSG) Emerging Scholar Award by the
Association of American Geographers (AAG)

2011 National First-place Award of "Research and Analysis" by University Economic
Development Association on Space-Time Analysis of Economic Data and Toolbox
Implementation

2008 US National Science Foundation Doctoral Dissertation Research Improvement Award

(Award # 0826594): Comparative Space-Time Dynamics

2006 University Consortium for Geographic Information Science (UCGIS) Paper Award,
UCGIS Summer 2006 Assembly (Among 18 National Recipients)

Travel Awards

2015 U.S. National Committee (USNC) Award, 27th International Cartographic Conference

2013 NSF Junior Scholar Travel Award, The Second International Conference on Space, Time,
and CyberGIS

2012 NSF Junior Scholar Travel Award, The First International Conference on Space, Time, and
CyberGIS

2004 ESRI/GIScience Scholarship, Third International Conference on Geographic Information
Science (Among 23 Global Recipients)

Funding

2015-2017 Co-PI, Kent State University Internal Post-Doctoral Competition (hire a postdoc for
two years), Digital Humanities Research with Smart Big Data — A Network Framework of
Innovation History

The post-doctoral associate will join an interdisciplinary team that is composed of professors from Library and Information Science, Geography, History, and Liquid Crystal Institute. The postdoctoral project will enable high quality research, and generate more external funding grant proposals in new fields such as big data and digital humanities. It will also make the team an attractive research partner in collaborative grant efforts beyond KSU; almost all new funding programs have emphasized such collaborations.

2014-2018 Co-PI (Kent State University Site PI), Spatiotemporal Modeling of Human Dynamics
across Social Media and Social Networks, National Science Foundation, \$999,887

Conduct space-time analysis and modeling on the dynamics of information landscapes and meme diffusion. Analyze driving forces underlying memes flow over different network configurations.

2015-2016 Co-PI, GIS-LCCA Integrated Pavement Management, University Research Council,
Kent State University, \$2,500

Design a web-based tool to monitor the conditions of the road network and economic impacts of various constructions, maintenance and repair alternatives in near real time.

2012-2014 Center for Nanotechnology in Society, CNS IRG2 Collaborator, National Science
Foundation, \$5,000

Conduct space-time analysis of innovation activities in China.

2013 PI, Data Mining of Events: Pursuing Big data-based Spatiotemporally Integrated Social Sciences over Cyber-infrastructure, Building Strength Major Research Project Award, Bowling Green State University, \$10,000.

Deploy the modern accelerator technology and hybrid computer architecture and systems to conduct high performance computing on the solution of large-scale space-time interaction.

2011-2016 Co-PI, University Center Program. Department of Commerce, Economic Development Administration, \$800,000.

Develop spatial econometrics and GIS toolbox development on labor shed analysis.

2011-2012 PI, Identifying Communities At Risk: Space-Time Data Analysis and Toolbox Implementation for Regional Economic Analysis, Faculty Research Committee Faculty Mentoring and Enrichment Award, Bowling Green State University, \$5,000.

Design a series of indicators to measure economic inequality and development in an open source environment.

2011-2012 Co-PI, Coastal Ohio Wind, Department of Energy, \$1,290,071.

Conduct economic analysis of alternative energy and simulation of economic gain and loss in the cases of wind turbine operation.

2010-2011 Senior Personnel, Williams County Economic Adjustment Strategy. Williams County Board of Commissioners, \$87,500.

Analyze the occupation distribution at the firm level.

2010 Senior Personnel, NW Ohio Solar Energy Hub of Innovation, Ohio Department of Development, \$72,250.

Conduct GIS analysis of firm location and supply chain identification.

2009-2011 Co-PI, University Center Program. US Department of Commerce, Economic Development Administration, \$320,000.

Develop open source tools to detect communities at risk under economic downturn.

2008-2009 Co-PI, Doctoral Dissertation Research Improvement Grant: Comparative Space-Time Dynamics, National Science Foundation, \$1,500.

Develop a framework of quantifying space-time dynamics to analyze patterns and trend of socioeconomic issues such as spatial inequality.

Employment Experience

2013- Founding Director of Computational Social Science Lab, Kent State University

2013- Assistant Professor (Tenure-Track), Department of Geography, Kent State University

2010-2013 Assistant Professor (Tenure-Track), School of Earth, Environment, and Society & Center for Regional Development (Department of Commerce EDA University Center), Bowling Green State University

2009-2010 Instructor, School of Earth, Environment, and Society & Center for Regional Development (Department of Commerce EDA University Center), Bowling Green State University

2009- Developer Team Leader of Spatial Economic Analysis Software, C.A.R.E. (Communities At Risk under Economic downturn)

2005- Developer Team Member, STARS (Space-Time Analysis of Regional Systems) and PySAL (Python Spatial Analysis Library) led by Sergio Rey and Luc Anselin

2005-2009 Research/Teaching Associate, Joint Doctoral Program of Geography, University of California, Santa Barbara and San Diego State University

2004-2005 GIS Programmer, the Institute for Geospatial Research and Education (IGRE), Eastern Michigan University

2002-2004 Research Assistant, the Institute for Geospatial Research and Education (IGRE), Eastern Michigan University

2001 Urban GIS Analyst, Center for Urban Initiatives and Research, University of Wisconsin, Milwaukee.

1999-2002 Teaching/ Research Assistant, Department of Geography, University of Wisconsin, Milwaukee

1999 Urban Planner, Institute of Urban Planning, Ruian City

1996-1999 Urban Planner, Institute of Urban Planning, Zhejiang University

Editorship

2015- Associate Editor, Papers in Applied Geography

2012-Secretary/Editorial Board Member, English and Chinese Book Series on Geospatial Technologies, China Higher Education Press

2011- Associate Editor, Stochastic Environmental Research& Risk Assessment (**SEI**)

2011- Co-editor, Proceedings on International Conference on Geoinformatics (**GI**)

2011- Editorial Board Member, International Journal of Applied Geospatial Research

Peer Reviewed Publications

Edited Journal Special issues

2016 **Ye, X.**, Huang, Q., and Li, W. (eds.) Integrating Big Social Data, Computing, and Modeling for a Synthesized Spatial Social Science, *Cartography and Geographic Information Science* (**SSCI**)

2015 Shaw, S., Tsou, M., and **Ye, X.** (eds.) Human Dynamics in the Mobile and Big Data Era, *International Journal of Geographical Information Science* (**SSCI/SCI**)

2015 **Ye, X.**, Pomeroy, J., He, C., and Geores, M. (eds.) The New Data Landscape for Regional and Urban Analysis, *GeoJournal*

2015 **Ye, X.** and Y. Mansury (eds.) Behavior-Driven Agent-Based Models of Spatial Systems, *Annals of Regional Science* (**SSCI**)

2014 Wei, Y. H. D. and **Ye, X.** (eds.) Urbanization, Land Use, and Sustainable Development in China, *Stochastic Environmental Research & Risk Assessment* (**SCI**)

2014 **Ye, X.**, Bao, S., and Li, B. (eds.) Spatial Intelligence for Urban and Regional Analysis, *International Journal of Applied Geospatial Research*

2013 **Ye, X.** and A. Dang (eds.) Spatial Analysis and Modeling on Urban and Regional Development, *Annals of GIS*

2012 **Ye, X.** and L. Liu (eds.) Spatial Crime Analysis and Modeling, *Annals of GIS*

2012 Neil, R., Carroll, M. and **Ye, X.** (eds.) Recession, Resilience, and Recovery, *Economic Development Quarterly* (**SSCI**)

2012 **Ye, X.** and Y.H.D. Wei (eds.) Globalization, Regional Development, and Public Policy in Asia, *Regional Science Policy & Practice*

Co-Edited EI-INDEXED Proceedings

2014 Proceedings on International Conference on Geoinformatics

2013 Proceedings on International Conference on Geoinformatics

2012 Proceedings on International Conference on Geoinformatics

2011 Proceedings on International Conference on Geoinformatics

Journal Articles (* is put if I am the corresponding author)

2015 **Ye, X.**, She, B., Zhao, H., Zhou, X. A Taxonomic Analysis of Perspectives in Generating Space-Time Research Questions in Environmental Sciences. *International Journal of Applied Geospatial Research* (forthcoming)

2015 Kimosop, P., Otiso, K., **Ye, X.** Spatial and Gender Inequality in Kenya Certificate of Primary Education. *Applied Geography* (**SSCI**) (forthcoming)

2015 He, C., Guo, Q., **Ye, X.** Geographical agglomeration and co-agglomeration of exporters and nonexporters in China. *GeoJournal* (forthcoming)

2015 She, B., Zhu, X., **Ye, X.***, Guo, W., Su, K., and Lee, J. Weighted Network Voronoi Diagrams for Local Spatial Analysis. *Computers, Environment and Urban Systems* (**SSCI**) (forthcoming)

2015 Zhu, X., Huang, L., **Ye, X.**, and Guo, W. Characterizing street hierarchies through network analysis and large-scale taxi traffic flow: a case study of Wuhan, China. *Environment and Planning B: Planning and Design* (**SSCI**) (forthcoming)

2015 Wang, Z., Cheng, Y., **Ye, X.***, and Wei, Y. Analyzing The Space-Time Dynamics of Innovation In China: ESDA And Spatial Panel Approaches. *Growth and Change* (**SSCI**) (forthcoming)

2015 Yue, Y., Zou, X., Shi, P., **Ye, X.**, Zhu, A., Wang, J. The Measurement of Wind Erosion through Field Survey and Remote Sensing: A Case Study of the Mu Us Desert, China. *Natural Hazards* (**SCI**) (forthcoming)

2015 **Ye, X.**, Xu, X., Lee, J., Zhu, X., Wu, L. Space-Time Interaction of Residential Burglaries in Wuhan, China. *Applied Geography* doi:10.1016/j.apgeog.2014.11.022 (**SSCI**)

2015 Wu, L., Liu, X., **Ye, X.***, Leipnik, M., Lee, J., Zhu, X. Street Permeability and Residential Burglaries in Urban China. *Applied Geography* doi:10.1016/j.apgeog.2014.12.001 (**SSCI**)

2015 Wu, L., **Ye, X.***, Xu, X., Zhu, X. Repeat and Near-Repeat Burglaries and Offender Involvement in A Large Chinese City. *Cartography and Geographic Information Science* (**SSCI**) (forthcoming)

2014 Wan, L., **Ye, X.**, Lee, J., Lu, X., Zheng, L., Wu, K. Effects of Urbanization on Ecosystem Service Values in A Mineral Resource-based City, *Habitat International* doi:10.1016/j.habitatint.2014.10.020 (**SSCI**)

2014 Yue, W., **Ye, X.**, Xu, J., Xu, L., & Lee, J. A Brightness–Darkness–Greenness Model for Monitoring Urban Landscape Evolution in a Developing Country—A Case Study of Shanghai. *Landscape and Urban Planning*, 127: 13-17 (**SSCI**)

2014 Yang, X., **Ye, X.**, Sui, D. We Know Where You Are—In Space and Place: Enriching the Geographical Context of Social Media. *International Journal of Applied Geospatial Research*

- 2014 Yue, W., Zhang, Y., **Ye, X.**^{*}, Cheng, Y., Leipnik, M. R. Dynamics of Multi-Scale Intra-Provincial Regional Inequality in Zhejiang, China. *Sustainability*, 6(9): 5763-5784 (**SSCI**)
- 2014 **Ye, X.** and Leipnik, M. Comparison of Geospatial Data Concerning Crime in China and in the USA. *Journal of Current Issues in Crime, Law & Law Enforcement*, 7(1): 21-34.
- 2014 Curtis, A., **Ye, X.**, Heob, E., Targhetta, J., Salvato, V., Martin, Reyna., Rudy, Bueno Jr, Louisa Holmes. A Comparison of Three Approaches to Identify West Nile Virus Mosquito Space-Time Hotspots in the Houston Vicinity for the Period 2002-2011. *Applied Geography*, 51:58-64 (**SSCI**)
- 2014 Liu, N., **Ye, X.**^{*}, Yang, H., Li, Y., Leipnik, M. Manufacturing Firm Heterogeneity and Regional Economic Growth Difference in China. *Regional Science Policy and Practice*, 6(2): 213-230.
- 2014 **Ye, X.**, Bao, S., and Li, B. Spatial Intelligence for Urban and Regional Analysis. *International Journal of Applied Geospatial Research*, 5(2)
- 2014 He, C., Huang, Z., and **Ye, X.**^{*}. Spatial Heterogeneity of Economic Development and Industrial Pollution in Urban China. *Stochastic Environmental Research & Risk Assessment*, 28(4): 767-781 (**SCI**)
- 2014 **Ye, X.**, She, B., Wu, L., Zhu, X., and Cheng, Y. An Open Source Toolkit for Identifying Comparative Space-Time Research Questions. *Chinese Geographical Science*, 24(3): 348-361 (**SCI**)
- 2014 Wei, Y. H. D. and **Ye, X.** Urbanization, Urban Land Expansion and Environmental Change in China. *Stochastic Environmental Research & Risk Assessment*, 28(4): 757-765 (**SCI**)
- 2014 Qi, Z., **Ye, X.**, Zhang, H., and Yu, Z. Land Fragmentation and Variation of Ecosystem Services in the Context of Rapid Urbanization: The Case of Taizhou City, China. *Stochastic Environmental Research & Risk Assessment*, 28(4): 843-855 (**SCI**)
- 2014 Chen, X., **Ye, X.**^{*}, Carroll, M., and Li, Y. Online Flood Information System: REST-based Web Service, *International Journal of Applied Geospatial Research*, 5(2):1-10.
- 2014 Wei, Y. H. D. and **Ye, X.** Urbanization, Land Use, and Sustainable Development in China. *Stochastic Environmental Research & Risk Assessment*, 28(4): 755-755 (**SCI**)
- 2014 Amialchuk, A., Gbenga, A., Xiong, W., **Ye, X.** (**alphabetical order**) Uncovering Peer Effects Mechanisms with Weight Outcomes using Spatial Econometrics. *The Social Science Journal*, 51(4): 645-651 (**SSCI**)

- 2014 Zhang, H., Wei, Q., Tong, L., **Ye, X.**, and Cheng, Y. Analyzing the Impact of Industrial Development on Energy Consumption in Northeast China: A Case Study of Jilin Province. *Journal of Geographical Sciences*, 24(5): 875-888 (**SCI**)
- 2014 Cheng, Y., **Ye, X.**, Wang, Z., and Wei, Y. Spatial Econometric Analysis of Carbon Intensity in China. *Journal of Geographical Sciences*, 24(4): 631-650 (**SCI**)
- 2013 Duque, J., **Ye, X.** and Folch, D. spMorph: An Exploratory Space-Time Analysis Tool for Describing Processes of Spatial Redistribution. *Papers in Regional Science* (**SSCI**)
DOI: 10.1111/pirs.12088
- 2013 Zhang, H., Qi, Z., **Ye, X.**, Cai, Y., Ma, W., and Chen, M. Analysis of Land Use/Land Cover Change, Population Shift, and Their Effects on Spatiotemporal Patterns of Urban Heat Islands in Metropolitan Shanghai, China. *Applied Geography*, 44: 121-133 (**SSCI**)
- 2013 **Ye, X.** and Leipnik, M. Comparison of the Characteristics of Small Business in China and the US. *Perspectives on Global Development and Technology*, 12: 661-679.
- 2013 Leipnik, M., **Ye, X.***, and Wu, L. Jurisdictional Boundaries and Crime Analysis: Policy and Practice. *Regional Science Policy and Practice*, 1: 45-65.
- 2013 Neil, R., Carroll, M., and **Ye, X.** The Great Recession of 2007-2009. *Economic Development Quarterly*, 27(2): 87-89 (**SSCI**)
- 2013 Gorsevski, P., Cathcart, S., Mirzaei, G., Jamali, M., **Ye, X.**, and Gomezdelcampo, E. A Group-Based Spatial Decision Support System for Wind Farm Site Selection in Northwest Ohio. *Energy Policy*, 55: 374-385 (**SCI**)
- 2013 **Ye, X.** and Rey, S. J. A Framework for Exploratory Space-Time Analysis of Economic Data. *Annals of Regional Science*, 50(1): 315-339 (**SSCI**)
- 2012 Cao, K. and **Ye, X.***. Coarse-Grained Parallel Genetic Algorithm Applied to A Vector Based Land Use Allocation Optimization Problem: The Case Study of Tongzhou Newtown, Beijing, China. *Stochastic Environmental Research & Risk Assessment*, 27(5): 1133-1142 (**SCI**)
- 2012 Wu, L., **Ye, X.***, and Webb, D. Space-Time Analysis of Auto Burglary Patterns in a Fast-growing Small City. *International Journal of Applied Geospatial Research*, 3(4): 69-86.
- 2012 **Ye, X.** and Xie, Y. Re-Examination of Zipf's Law and Urban Dynamic in China: A Regional Approach. *Annals of Regional Science*, 49 (1): 135-156 (**SSCI**)
- 2012 Gorsevski, P., Onasch, C., Farver, J., and **Ye, X.** Detecting Grain Boundaries in Deformed Rocks Using A Cellular Automata Approach. *Computers & Geosciences*, 42: 136-142 (**SCI**)

- 2012 Wu, K., **Ye, X.**, Fang, Z., and Zhang, H. Impact of Land Use/ Land Cover Change and Socioeconomic Development on Regional Ecosystem Services: The Case of the Fast-Growing Hangzhou Metropolitan Area, China. *Cities*, 31: 276-284 (**SSCI**)
- 2012 Yue, W., Liu, Y., Fan, P., **Ye, X.**, and Wu, C. Assessing Spatial Pattern of Urban Thermal Environment in Shanghai, China. *Stochastic Environmental Research & Risk Assessment*, 26(7): 899-911 (**SCI**)
- 2012 Wells, W., Wu, L., and **Ye, X.** Patterns of Near-Repeat Gun Assaults in Houston. *Journal of Research in Crime and Delinquency*, 49: 186-212 (**SSCI**)
- 2012 **Ye, X.** and Wei, Y. D. Regional Development, Disparities and Policies in Globalizing Asia, *Regional Science Policy and Practice*, 4(3): 179-182.
- 2012 He, C., **Ye, X.***, and Pan, F. Industrial Agglomeration and Exporting in China. *Regional Science Policy and Practice*, 4(3): 317-333.
- 2012 **Ye, X.** and Liu, L. Spatial Crime Analysis and Modeling. *Annals of GIS*, 18(3): 157.
- 2011 Leipnik, M., **Ye, X.***, and Gong, G. Geo-Spatial Technologies and Policy Issues in China: Status and Prospects. *Regional Science Policy and Practice*, 3(4): 339-356.
- 2011 **Ye, X.** and Carroll, M. Exploratory Space-Time Analysis of Local Economic Development. *Applied Geography*, 31: 1049-1058 (**SSCI**)
- 2011 **Ye, X.*** and Wu, L. Analyzing the Dynamics of Homicide Patterns in Chicago: ESDA and Spatial Panel Approaches. *Applied Geography*, 31: 800-807 (**SSCI**)
- 2009 Wei, Y. D. and **Ye, X.** Beyond Convergence: Space, Scale, and Regional Inequality in China. *Tijdschriftvoor Economische en Sociale Geografie, TESG: Journal of Economic and Social Geography*, 100: 59-80 (**SSCI**)
- 2007 Xie, Y. and **Ye, X.** Comparative Tempo-Spatial Pattern Analysis: CTSPA. *International Journal of Geographical Information Science*, 21: 49-69 (**SSCI**)
- 2006 **Ye, X.**, Stephens, P., Pattaniak, S., Li, X., Elias, M. and Janikas, M. Subject and Author Indexes To 2005 Regional Science and Related Journal Literature. *International Regional Science Review*, 29(4): 339-339 (**SSCI**)
- 2005 **Ye, X.** and Wei, Y. D. A Geospatial Analysis of Regional Development in Zhejiang Province, China, with a Special Reference to the Wenzhou Model. *Eurasian Geography and Economics*, 5: 342-361 (**SSCI**)
- 2004 Wei, Y. D. and **Ye, X.** Regional Inequality in China: A Case Study of Zhejiang Province. *Tijdschriftvoor Economische en Sociale Geografie, TESG: Journal of Economic and Social Geography*, 1: 44-60 (**SSCI**)

Book Chapters

2015 **Ye, X.**, and Wang, F. Appendix 10D: A Cellular Automata (CA) Urban Land Use Model. In *Quantitative Methods and Socioeconomic Applications in GIS* (2nd Ed.). Boca Raton, FL: Taylor & Francis.

2014 **Ye, X.**, Yu J., Wu, L., Li, S., Li, J. Open Source Point Process Modeling of Earthquake. In Xie, Y. (ed.). *Geo-Informatics in Resource Management & Sustainable Ecosystem, Communications in Computer and Information Science*, Springer.

2014 Leipnik, M., Su, Y., Lane, R., and **Ye, X.** Agriculture and Food Production in China and the US. In Hartmann, R. and Wang, J. (eds.) *A Comparative Geography of China and the U.S.* Springer.

2014 Leipnik, M., Su, Y., **Ye, X.** The Main Agricultural Regions of China and the US. In Hartmann, R. and Wang, J. (eds.) *A Comparative Geography of China and the U.S.* Springer.

2014 **Ye, X.** and Zhang, H. Ecosystem Services in the Context of Rapid Urbanization in China: Towards Sustainable Land Use Planning Mechanisms. In Awotona, A. (ed.) *Rebuilding Sustainable Communities after Disasters in China, Japan and Beyond*. Cambridge Scholars Publishing.

2014 Leipnik, M. and **Ye, X.***, State Registration of Sex Offenders: Public Notification, Web Mapping & Spatial Issues. In Elmes, G. (ed.) *Forensic GIS: The Role of Geospatial Technologies for Investigating Crime and Providing Evidence*. Springer.

2014 **Ye, X.** Residential Location Models. In *The Encyclopedia of Transportation: Social Science and Policy*. SAGE.

2013 **Ye, X.** and Shi, X. Pursuing Spatiotemporally Integrated Social Science over Cyberinfrastructure. In Shi, X., Kindratenko, V., and Yang, C. (eds.) *Modern Accelerator Technologies for GIScience*. Springer.

2011 **Ye, X.** What Are the Short- And Long-Term Effects of China's Rapid Economic Growth on the Stability of the Global Environment? In *Enduring Questions on World Geography*. ABC-Clio.

2011 **Ye, X.** Coastal Planning Policies in Developing Countries. In Black, B., Hassenzahl, D., Stephens, J., and Weisel, G. (eds.) *Climate Change: An Encyclopedia of Science and History*. ABC-Clio.

2011 **Ye, X.** Environmental Justice and Climate Change within China. In Black, B., Hassenzahl, D., Stephens, J., and Weisel, G. (eds.) *Climate Change: An Encyclopedia of Science and History*. ABC-Clio.

2010 **Ye, X.** and Leipnik, M. Small Business and Economic Growth in China: A Geoentrepreneurial Perspective. In Zhang, T. and Stough, R. (eds.). Entrepreneurship & Economic Growth in China. World Scientific.

2010 Rey, S. and **Ye, X.** Comparative Spatial Dynamics of Regional Systems. In A. P´aez, J. Le Gallo, R. Buliung, and Dall’Erba, S. (eds.) Progress in Spatial Analysis: Theory, Computation, and Thematic Applications. 441-464. Springer.

2007 Xie, Y. and **Ye, X.** Evolution of Urban System in China. In G. Pomeroy (eds.) Geographic Perspectives on Cities, Regions and Society, Volume One: Urban. Concept Publishing.

Peer Reviewed Proceedings

2015 Lai, C.-H., Ye, X., She, B. A mixed-mode view of the evolutionary dynamics of humanitarian organizing networks: Integration of bona fide networks, media multiplexity, and affordances. Paper to be presented at the 65th annual conference of International Communication Association, San Juan, Puerto Rico.

2015 Lai, C.-H., Ye, X., She, B., & Tao, C.-C. A longitudinal investigation of technological affordances for humanitarian organizing. Paper to be presented at the 65th annual conference of International Communication Association, San Juan, Puerto Rico.

2014 **Ye, X.**, and Yue, W. Comparative Analysis of Regional Development: Exploratory Space-Time Data Analysis and Open Source Implementation. Economics Discussion Papers, No 2014-20, Kiel Institute for the World Economy.

2013 Gu, Y., Smith, A., Lee, J., **Ye, X.**, and Kim, S. Effective Visualization Tool for Job Searching. The 2013 Int’l Conf. on Modeling, Simulation and Visualization Methods (MSV’13).

2011 **Ye, X** and Carroll, M. Warn Notice Toolbox: Open-Source Geovisualization of Large Lay-off Events, GeoInformatics 2011. DOI: 10.1109/GeoInformatics.2011.5981136 **(EI)**

2011 Li, R., Wang, R. and **Ye, X***. Forest Form Mapping System for Managing Forest Resource: Design and Implementation. GeoInformatics 2011 DOI: 10.1109/GeoInformatics.2011.5981008 **(EI)**

2011 Li, Y., Huang, C., and **Ye, X***. Analyzing and Planning Rural Ecosystem and Environment in High-Resolution Remote Sensing and GIS Environment: A Case Study of the Beautiful Countryside. GeoInformatics 2011 DOI: 10.1109/GeoInformatics.2011.5980827 **(EI)**

2007 Rey, S. J., and **Ye, X***. Spatial Dynamics in City Size Distribution. The 2nd ICA Workshop on Geospatial Analysis and Modeling (Spatial Structure and Dynamics of Urban Environments) Proceedings.

2007 Xie, Y. and **Ye, X**, Multi-category Tempo-Spatial Pattern Analysis (McTSPA). Geocomputation Proceedings.

2006 **Ye, X.**, Spatializing Zipf's Law in the Dynamic Context: US Cities 1960-2000. UCGIS Summer Assembly Proceedings.

2005 **Ye, X***, Xie, Y., and Batty, M. Modeling Transition Rules In Urban Cellular Automata. Geocomputation Proceedings.

2004 Xie, Y. and **Ye, X**, Comparative Analysis of Spatial Pattern Changes: CASP. GIScience Proceedings.

Book Reviews

2012 **Ye, X.** Education and Inequality across Europe. By Dolton, P., Asplund, R., and Barth, E. *Review of Social Economy*, 70(4):527-531. Cheltenham.

2011 **Ye, X.** Portfolios of the Poor: How the World's Poor Live on \$2 a Day. By Collins, D., Morduch, J., Rutherford, S., and Ruthven, O. *Review of Social Economy*, 69(3): 409-411.

2011 **Ye, X.** Knowledge Discovery in Spatial Data. By Leung, Y. *Regional Studies*, 45(6): 872-873.

2011 **Ye, X.** New Directions in Regional Economic Development, Edited by Karlsson, C., Andersson, A. E., Cheshire, P.C., and Stough, R. R. *Regional Studies*, 45(4):560-561.

2008 **Ye, X.** Human Geography. Edited by de Blij *et al.* *Regional Studies*, 1: 156-157.

2008 **Ye, X.** Learning from Clusters: an Economic-Geographic Perspective. Edited by Boschma and Kloosterman. *Regional Studies*, 1: 149-150.

2007 **Ye, X.** Geography in America at the Dawn of the 21st Century. Edited by Gaile, G. L. and Willmott, C. J. *Regional Studies*, 3: 416-417.

2006 **Ye, X.** The Urban Geography Reader. Edited by Fyfe, N. R. and Kenny, J. T. *Regional Studies*, 3: 425-426.

2005 **Ye, X.** China and the WTO: Accession, Policy Reform, and Poverty Reduction Strategies. By World Bank. *Regional Studies*, 5: 676-677.

Research Report

2013 Curtis, A., Baker, S., **Ye, X.**, Curtis, J.W., and Floyd, G. A. Fine-Scale Spatial Analysis of Spatial Video Collected Damage Data for the Newcastle-Moore Tornado of May 21, 2013, Quick Response Research Report, University of Colorado Natural Hazards Center, Boulder, CO.

Major Chinese Publication with English Abstract

2015 **Ye, X.**, Hu, Z., and Wang, Z. A Survey of Regional Inequality Analytical Methods. In Shen, T. (ed.) *Spatially Integrated Humanities and Social Sciences*, China Higher Education Press.

2015 **Ye, X.**, Curtis, A., and Zhou, X. *Finer-Scale Spatial Data Collection for Urban Public Health: An Introduction and Implications for China*. In Shi, X. (ed.) *Geospatial Analysis and Application in Health*, China Higher Education Press.

2015 Wang, Z., Cheng, Y., Ma, J., **Ye, X.**, Wei, Y. Measurement and Spatial Analysis of Quality of Life of Urban Residents in Northeast China. *SCIENTIA GEOGRAPHICA SINICA (CSCD)*

2014 **Ye, X.**, Li, J., and Cheng, Y. Multi-Scale and Multi-Mechanism Space-Time Analysis of Regional Economic Inequality in Zhejiang Province. *Progress in Geography*, 33(9): 1177-1186 (CSCD)

2014 Zhou, X., Zhang, W., **Ye, X.**, Gan, T., and Hang, X. Bibliometric Analysis of Ecological Footprint Research during 1992-2012. *Progress in Geography*, 33(3): 36-44 (CSCD)

2014 Fang, H., **Ye, X.***, and Cheng, Y. China's Regional Economic Inequality Studies in the Past 20 Years. *Henan Science*, 32(11): 2407-2413.

2014 Duan, X., **Ye, X.***, and Miao, C. Regional Economic Inequality Measurements and Their Evaluation: A Case Study of Henan Province. *Henan Science*, 32(4): 632-638.

2014 Sui, D., **Ye, X.**, and Gan, T. Open GIS for Big Data: Opportunities and Impediments. *Progress in Geography*, 33(6): 723-737 (CSCD)

2014 Li, J., Yue, Y., Pan, H., and **Ye, X.** Variation Rules of Meteorological Drought in China during 1961-2010 Based on SPEI and Intensity Analysis. *Journal of Catastrophology*, 29(4): 176-182 (CSCD)

2013 Xu, C., Liu, L., Zhou, S., **Ye, X.**, and Jiang, C. The Spatio-Temporal Patterns of Street Robbery in DP Peninsula. *Acta Geographica Sinica*, 68(12): 1714-1723 (CSCD)

2013 Cheng, Y., Wang, Z., Zhang, S., **Ye, X.**, and Jiang, H. Spatial Econometric Analysis of Carbon Emission Intensity and Its Driving Factors from Energy Consumption in China. *Acta Geographica Sinica*, 68(10): 1418-1431 (CSCD)

2000 Li, W., **Ye, X.**, and Qi, W. Review of Human Settlement Theories and Practices. *Journal of Zhejiang University (Science Edition)*, 2: 204-211 (CSCD)

1999 Li, W., **Ye, X.**, and Sun, Y. The Assessment of Urban Human Settlements. *Economic Geography*, 19(2): 38-43 (CSSCI)

1999 Li, W., Xie, L., and **Ye, X.** Study on the Managerial Model of Urban Flowing Population. *Journal of Zhejiang University (Science Edition)*, 1: 80-86 (CSCD)

1996 Li, W. and **Ye, X.** Sustainable Economic Development of Wenzhou City. *Economic Geography*, 5: 35-39 (CSSCI)

1996 Zhang, J., **Ye, X.**, and Yang, P. Urban Traffic and Urban Development. In International Urban Infrastructure. Zhejiang University Press, Hangzhou.

Selected Invited Talks

2014 **Ye, X.** Space-Time Crime Analysis. Department of Criminal Justice, University of Toledo, October.

2014 **Ye, X.** Space-Time Modeling of Urban Crime. International Crime Geography Conference, Guangzhou, June.

2014 **Ye, X.** Spatial Social Science. International Symposium of Spatially Integrated Social Science and Humanities, Beijing, June.

2014 **Ye, X.** Big Social Data. Zhejiang University, June.

2013 **Ye, X.** Comparative Space-Time Dynamics. Sol Price School of Public Policy, University of Southern California, March.

2012 **Ye, X.** Urban Modeling. National Institute for Environmental Studies (NIES), Japan, June.

2012 **Ye, X.** Open Source Space-Time Analysis. Center for Global Change and Earth Observations, Michigan State University, May.

2011 **Ye, X.** Comparative Space-Time Dynamics and Spatial Intelligence for Regional Analysis. The First All-hands Meeting of the NSF CyberGIS Project, Oak Ridge National Laboratory, September.

2011 **Ye, X.** Comparative Space Time Dynamics of Idea Diffusion. NSF Funded Specialist Meeting ("Mapping Ideas: Discovering and Information Landscapes"), among 12 experts. San Diego, June.

2011 **Ye, X.** Comparative Space Time Dynamics: Toolbox Development. NSF Setgo Summer Research Meeting. Bowling Green, June.

2011 **Ye, X.** ESDA and Spatial Panel Approaches. NIH Center for Family & Demographic Research, Bowling Green State University, January.

2010 **Ye, X.** CARE: Communities At Risk under Economic downturn. Department of Geography and Planning, University of Toledo, November.

2010 **Ye, X.** Crime Mapping, Department of Criminal Justice. University of Toledo, March.

2010 **Ye, X.** Ohio Communities At Risk. Geography Club, Bowling Green State University, March.

2010 **Ye, X.** An Open Source Toolbox for Cluster-Based Economic Development. Space-Time Modeling and Analysis Workshop, Redlands, February.

2010 **Ye, X.** An Open Source Web-based Decision Support System for Comparative Cluster-Based Economic Development Strategies. NSF Cyber-GIS Workshop, Washington DC, February.

2010 **Ye, X.** Space-Time Analysis of Regional Development in China. Department of Economics, Bowling Green State University, January.

2009 **Ye, X.** Comparative Space-Time Dynamics: Open Source and Implementation. Department of Geography and Geology & Institute for Geospatial Research and Education, Eastern Michigan University, October.

Workshop/Session Organization

2015 **Ye, X.**, Tsou, M., Shaw, S., and Chow, E. Human Dynamics in the Mobile Age. I, II, III, AAG, Chicago, April.

2015 **Ye, X.** Space-Time Dynamics of Transitional China, AAG, Chicago, April.

2014 **Ye, X.** Three-day Workshop on Intermediate Spatial Econometrics, Guangzhou, December.

2014 **Ye, X.** Social Media Mapping and Analysis, GIS Day demo, Kent, November.

2014 **Ye, X.** Applications of New Sources of (Big) Data in Regional Science III, Regional Science Association International, Washington DC, November.

2014 **Ye, X.** Geospatial Analysis II, Applied Geography Conference, Atlanta, October.

2014 Bao, S., **Ye, X.**, Zhao, E., and Wu, Y. Three-day Workshop on spatial economic analysis, Shanghai, July.

2014 Bao, S. and **Ye, X.** One-day Workshop on Spatial Social Science, Shanghai, July.

2014 **Ye, X.** Three-day Workshop on Introduction to Spatial Econometrics, Guangzhou, June.

2014 **Ye, X.**, Tsou, M., and Shaw, S. Human Dynamics in the Mobile Age. I, II, III, AAG, Tampa, April.

2013 Bao, S., **Ye, X.**, Zhao, E., and Wu, Y. Three-day Workshop on Space-time Analysis, Beijing, June.

2013 **Ye, X.**, and Ye, T. Comparing China and the U.S.: Geographic Perspectives in an Era of Globalization and Emerging Asia. I, II, III, AAG, Los Angeles, April.

2013 **Ye, X.** and Shi, P. Integrated Natural Disaster Reduction and Sustainable Development in China. I, II, III, AAG, Los Angeles, April.

2012 Bao, S., **Ye, X.**, Zhao, E., and Wu, Y. Three-day Workshop on Internet-based Space-Time Analysis, Shanghai, June.

2012 **Ye, X.** and Liu, L. Spatial Crime Analysis and Modeling, GeoInformatics, Hong Kong, June.

2012 **Ye, X.** and Shi, P. Integrated Natural Disaster Reduction and Sustainable Development in China. I, II, III, AAG, New York, February.

2012 Wei, Y. and **Ye, X.** Urbanization, Land Use, and Regional Development in China. I, II, III, AAG, New York, February.

2011 **Ye, X.**, Hwang, M., and Bao, S. Workshop on Spatial Data Analysis in Cyberspace: Data, Methodology and Tools (co-sponsored by GeoDa Center for Geospatial Analysis and Computation, Arizona State University, and China Data Center, University of Michigan), Miami, November.

Service to the Profession

2015- Research Committee Member, UCGIS

2015 CPGIS Student Paper Competition Committee Member

2015 Program Committee Member, SCIPY (Python for Scientific Computing Conference) 2015 International Conference

2015 Publication Committee Co-Chair (EI), 3rd Annual International Conference on Geo-Informatics in Resource Management & Sustainable Ecosystem.

2015 Proceeding Publication Co-Chair (EI) and Program Committee Member, 23rd International Conference on Geoinformatics

2015 Program Committee Member, The First international workshop on spatiotemporal computing

2015 Program Committee Member, The Fourth International Workshop on Regional, Urban, and Spatial Economics, Beijing, June

2014- Organizing Committee Member, International Geospatial Health Research Symposium

2014-2016 Secretary, Geographic Information Science and Systems Specialty Group, Association of American Geographers

2014-2015 Chair, Regional Development and Planning Specialty Group, Association of American Geographers

2014- Member, Committee for ICA-OSGeo-ISPRS Award for Open Geospatial Science

2014 Program Committee Member, OGC Academic Summit

2014 Program Committee Member, SCIPY 2014 International Conference

2014 Proceeding Publication Co-Chair (EI) and Program Committee Member, 22th International Conference on Geoinformatics

2014 Student Paper Competition Judge, The International Association of Chinese Professionals in Geographic Information Science (CPGIS)

2013-2014 Vice Chair, Regional Development and Planning Specialty Group, Association of American Geographers

2013 Publication Co-Chair, The First International Conference on Environment, Legacy, and Urban Planning

2013 Proceeding Publication Co-Chair (EI) and Program Committee Member, 21th International Conference on Geoinformatics

2012-2014 Elected Member of Board of Directors, The International Association of Chinese Professionals in Geographic Information Science (CPGIS)

2012- One of the two US representatives to the Youth commission, International Society for Digital Earth

2012 Proceeding Publication Chair (EI) and Program Committee Member, 20th International Conference on Geoinformatics

2012-2013 Member at Large, Regional Development and Planning Specialty Group, Association of American Geographers

2012 Student Paper Competition Judge, Spatial Analysis & Modeling Specialty Group, Association of American Geographers

2011-2012 Director of East Asia, Asian Geography Specialty Group, Association of American Geographers

2011-2012 Director of Developing Countries, Regional Development and Planning Specialty Group, Association of American Geographers.

2011 Proceeding Publication Chair (EI) and Program Committee Member, 19th International Conference on Geoinformatics

2010-2011 Advisory Committee Member, The 1st International Workshop on Surveying and Geospatial Information Systems, Liaoning Technical University and The Chinese Academy of Surveying & Mapping

2010- Deputy General Secretary, The International Association of Chinese Professionals in Geographic Information Science (CPGIS)

2010- Webmaster, China Geography Specialty Group, Association of American Geographers

2010- Contributor/Reviewer, Spatial Decision Support Consortium

Grant and Journal Referee

The U.S. National Science Foundation, African Journal of Agricultural Research, Annals of Association of American Geographers, Applied Geography, CIPA 2015 Symposium: Recording, Documentation and Cooperation for Cultural Heritage, Demographic Research, Ecological Modeling, Economic Development Quarterly, Environmental Management, Environmental Science and Policy, Future Internet, Geojournal, Human Ecology Review, International Association for China Planning (IACP) Conference Proceeding, International Development Planning Review, International Journal of Geographical Information Science, International Regional Science Review, Journal of Economic Geography, Journal of Geography and Regional Planning, Journal of Geographical Systems, Landscape and Urban Planning, Land Use Policy, Photogrammetric Engineering and Remote Sensing, Population and Environment, Regional Studies, Science Journal of Economics, Sustainability, Tijdschrift voor economische en sociale geografie, Transactions in GIS, Urban Geography

Current Doctoral Student Advising (* chair)

Mohammad Alnasrallah. Geographic Disparities of Obesity Prevalence as a Public Health Issue in Summit County, Ohio. KSU.

Michael Harris. TBD. KSU.

Andrea B. Széll. TBD. KSU.

*Zheye Wang. TBD. KSU.

Current Master Student Advising (* chair)

*Huanyang Zhao (co-chair). Spatio-Temporal Analyses of Religious Establishments in China: A Case Study of Zhejiang Province. KSU.

*Zhuo Chen (co-chair). TBD. KSU.

Former Master Student Advising (* chair)

Yelong Shen (Computer Science). Social Network Mining for Recommendation System. KSU.

Rebecca Alcorn. Volcanic Risk Assessment with the Use of a GIS-Based Model: Case Studies in Central Oregon and North-Central New Mexico. BGSU.

Kenny Brown. Landslide Detection within Glacially Dominated Cuyahoga River Valley Using LIDAR, Classification tree analysis, Artificial Neural Network Analysis Modeling. BGSU.

Steven C. Cathcart. Collaborative Spatial Decision Making for Wind Energy Development in Northwest Ohio, BGSU.

*Jiefan Yu. Space-Time Analysis of Earthquake: The Case of Yellowstone National Park. BGSU.

Current Visiting Scholars Advising

Guotian Cai, Chinese Academy of Science, 2015

Quan Li, Wuhan University, 2014-15

Shengwen Li, China University of Geosciences, 2014-15

Jie Liu, Policy Research Office, Ningxia Hui Autonomous Region, 2014-15

Jiajun Qiao, Henan University, 2014-15

Qingliang Zhao, Henan University, 2014-15

Former Visiting Scholars Advising

Qian Chen, Zhejiang University of Industry and Commerce, 2014

Weihua Yi, Guangzhou Academy of Social Sciences, 2014-15

Xiaoyan Zhou, Wuhan University, 2013-14

Former Research Assistants Supervision

Hari Prasad Kandel, Geology, BGSU, 2009-2010

Xiaokang Zhao, Computer Science, BGSU, 2009-2011

Jialin Liu, Computer Science, BGSU, 2010-2012

Aynur Abdurahmanova, Economics, BGSU, 2011

Shiyun Zhou, Computer Science, BGSU, 2011-2012
Mei Chen, Statistics, BGSU, 2011-2012
YilinGu, Computer Science, BGSU, 2011-2013
Jiankun Han, Computer Science, BGSU, 2012-2013
Tom Veldman, Geography, KSI, 2013
Rafiq Islam, Geography, KSI, 2014
Jing Mao, Computer Science, KSU, 2014
Chao Ma, Computer Science, KSU, 2014
Zhenliang Feng, Computer Science, KSU, 2014

Lecture Courses at KSU

GEOG 49195/59195/79195 Spatiotemporal Analytics (Undergraduate/Graduate, Spring 2015)
GEOG 49076/59076/79076 Spatial Programming (Undergraduate/Graduate, Fall 2013, 2014)

Lecture Courses at BGSU

GEOG 4000/ GEOL 6810Advanced GIS (Undergraduate/Graduate, Spring 2013)
GEOG 4250/5250Applied GIS (Undergraduate/Graduate, Fall 2012)
GEOG 4240/5240Geographic Information Systems (Undergraduate/Graduate, Spring 2012)
GEOG 2250Global Economic Geography (Undergraduate, Fall 2010, 2011)
GEOG 4020/5020Regional Economic Geography (Undergraduate/Graduate, Spring 2011)

Lecture Course at SDSU

GEOG385 Spatial Data Analysis (Undergraduate, Spring 2008, Fall 2008)

Independent Study Courses at BGSU

GEOG 4900 Geovisualization (Undergraduate, Spring 2013)
GEOG 4900 Economic Geography of the Music Industry (Undergraduate, Spring 2013)
GEOL 6990Thesis Research (Graduate, Spring 2012)
GEOG4900 Urban Modeling (Undergraduate, Spring 2012)
GEOG4900 Economic Globalization (Undergraduate, Spring 2012)
SEES 6800 Seminar in Space Time Analysis (Graduate, Spring 2011)
SEES 6840 Directed Readings in Geology (Graduate, Spring 2011)

GEOG4900 Tracking Terrorism (Undergraduate, Spring 2011)

SEES 6800 Seminar in Spatial Disease Mapping (Graduate, Fall 2010)

GEOG4900 Public Health Data Analysis (Undergraduate, Fall 2010)

Service to Department, College, and University

2014 Serve as the lead delegate to UCGIS by getting KSU into this important national GIS organization

2014 East Lakes AAG Organization Committee for 2015, KSU

2014 University Fellowship Review Committee, KSU

2014 Paper judge, Undergraduate Symposium on Research, Scholarship, and Creative Activity, KSU

2014 Beck Research Award Committee, Department of Geography, KSU

2013- GIS Curriculum Committee, Department of Geography, KSU

2012-2013 Geospatial Advisory Committee, School of Earth, Environment, and Society, BGSU

2012-2013 Search Committee for Remote Sensing Assistant/Associate Professor, School of Earth, Environment, and Society, BGSU

2011 Co-advise Website Development for Department of Geography, BGSU

2009-2013 Geospatial Curriculum Committee, School of Earth, Environment, and Society, BGSU

Professional Associations

Association of American Geographers

Computational Social Science Society of the Americas

International Association for China Planning

The International Association of Chinese Professionals in Geographic Information Science

The Urban Economics Association

Regional Science Association International

Western Regional Science Association

Conference Presentations

2014 **Ye, X.**, Lai, C., and She, B. "A Framework of Mapping Social Connections in Space and Time", Regional Science Association International, Washington DC, November.

2014 **Ye, X.** “A Tale of Two Provinces: Comparative Space-Time Analysis and Modeling of Economic Disparity between Coastal and Inland China”, Regional Science Association International, Washington DC, November.

2014 Bao, S., She, B., and **Ye, X.** “Spatial Intelligence Analysis with Geo-Explorers and PySAL”, Regional Science Association International, Washington DC, November.

2014 **Ye, X.** “Comparative Space-Time Analysis of Crime in Wuhan, China”, The Race, Ethnicity and Place Conference, Fort Worth, October.

2014 **Ye, X.** “Space-Time Interaction of Residential Burglaries in a Large Chinese City”, Applied Geography Conference, Atlanta, October.

2014 **Ye, X.** “Open Source Point Process Modeling of Earthquake”, 2nd Annual International Conference on Geo-Informatics in Resource Management & Sustainable Ecosystem, Ypsilanti, October.

2014 **Ye, X.** “Comparative Space Time Dynamics”, AAG Spatiotemporal Panel session, AAG, Tampa, April.

2014 **Ye, X.** “Comparative Space-Time Path of Regional Economic Development”, The Third International Workshop on Regional, Urban, and Spatial Economics, Shanghai, June.

2014 **Ye, X.** “What Are We 'Tweeting' about Black Friday?”, AAG, Tampa, April.

2014 Zhou, X., **Ye, X.**, Kaplan, D. “Understanding Urban Issues in China and the USA through A Comparison of Urban Geography Textbooks”, AAG, Tampa, April.

2014 **Ye, X.** “Open Source Space-Time Analysis”, pre-AAG workshop on open GIS, Tampa, April.

2013 **Ye, X.** “Weighted Network Voronoi and Urban Streets”, Western Regional Science Association, San Diego, February.

2013 **Ye, X.** “Zipf’s Law and Urban Dynamic in China: 1960-2010”, Regional Science Association International, Atlanta, November.

2013 **Ye, X.** “Comparative Space-Time Analysis”, The First International Conference on Environment, Legacy, and Urban Planning, Hangzhou, November.

2013 **Ye, X.** “Spatial Rank and Spatial Markov for Urban Size Distribution in China”, Joint Annual Meeting ELDAAG/CAGONT, Toledo, October.

2013 Zhou, X., **Ye, X.**, Liu, H., and Han, L. “Analysis on Urban Land Use Efficiency in China”, Joint Annual Meeting ELDAAG/CAGONT, Toledo, October.

2013 **Ye, X.** and Li, W. “Mapping the Pulse of Shopping Behavior: Black Friday, Economic Geography, and Cyberspace”, The All Hands Meeting of the NSF CyberGIS project, Seattle, September.

2013 **Ye, X.** “Comparative Space-Time Analysis of Regional Development across Scales: Case of Zhejiang and China”, The Second International Workshop on Regional, Urban, and Spatial Economics, Beijing, June.

2013 **Ye, X.** “Frontiers and Roadmaps: Academic Viewpoints”, CyberGIS Symposium, AAG, Los Angeles, April.

2012 **Ye, X.**, Carroll, M., and Wu, L. “Visualizing and Detecting Space-Time Chain”, Regional Science Association International, Ottawa, Canada, November.

2012 Carroll, M. and **Ye, X.** “Comparative Space-Time Analysis of Warn Notices”, Regional Science Association International, Ottawa, Canada, November.

2012 Qian, H. and **Ye, X.** “Spatiotemporal Dynamics of High Technology Entrepreneurship: A Comparison of California and New England (1999-2006)”, Regional Science Association International, Ottawa, Canada, November.

2012 Burek, M. W., Stinson, P. M., and **Ye, X.** “Spatial Significance and Welfare Reforms: How Changes from AFDC to TANF Affected Occurrences of Part Two Crimes”, Annual Meeting of Midwestern Criminal Justice Association, Chicago, September.

2012 **Ye, X.**, Carroll, M., and Wu, L. “Measuring Scales of Space-Time Interaction among Crime Events”, GeoInformatics, Hong Kong, June.

2012 Burek, M. W., Stinson, P. M., and **Ye, X.** “Before and After Welfare Reform: Geospatial Analysis of Its Impact on Crime 1980-2010”, Annual Meeting of Academy of Criminal Justice Sciences, New York, March.

2012 Yue, Y., Zhao, J., Wang, J., Yin, Y., **Ye, X.**, and Huang, X. “Vulnerability Assessment of Cotton to Hail in China Based on Historical Records, Field Investigation and Ground Experiments”, 4th International Disaster and Risk Conference IDRC, Davos, Switzerland, August.

2012 **Ye, X.**, He, C., and Pan, F. “Modeling Industrial Air Pollution in Transitional China: Exploratory Space-Time Analytical Perspective and Toolbox Implementation”, AAG, New York, February.

2012 **Ye, X.** “Comparative Analysis of Regional Economic Development”, Western Regional Science Association, Hawaii, February.

2011 **Ye, X.**, Bao, S., and She, B. “The Spatial Intelligence for Regional Analysis”, Regional Science Association International, Miami, November.

2011 Carroll, M. and **Ye, X.** “Publication Patterns and Trends in Economic Development Research: Information Visualization Approach”, Regional Science Association International, Miami, November.

2011 **Ye, X.** and Carroll, M. “Visualizing Worker Flow in an Interactive and Exploratory Framework”, Annual Meeting of AAG Eastlake Division, Youngstown, October.

2011 **Ye, X.** and Carroll, M. “Visualizing Local Economic Development: A Comparative Space-Time Data Analysis”, Annual Meeting of Ohio Association of Economists and Political Scientists, Bowling Green, October.

2011 Reid, N., Carroll, M., and **Ye, X.** “Spatial and Temporal Patterns of Unemployment During the Recent Recession: An Analysis of its Impact on the United States”, Regional Geographic Conference UGI, Santiago, Chile, November.

2011 **Ye, X.** “Research on Regional Development in China: Patterns, Trends, and Progress”, International Conference on Urbanization and Development in China, Salt Lake City, August.

2011 Carroll, M., Reid, N., and **Ye, X.** “Spatial and Temporal Patterns of the Recent Recession,” European Regional Science Association, Barcelona, August.

2011 Carroll, M., Reid, N., and **Ye, X.** “Spatial Patterns of Recession in the United States”, Third Global Conference on Economic Geography, COEX, Seoul, Korea, June.

2011 Reid, N., Carroll, M., and **Ye, X.** “Impact of the Recent Recession on Rural Areas in the United States”, International Geographical Union (IGU) Commission on the Dynamics of Economic Spaces, Vechta Mini conference, May.

2011 **Ye, X.** and Carroll, M. “CARE: Communities At Risk under Economic Downturn”, AAG, Seattle, April.

2011 Carroll, M. and **Ye, X.** “Examination of Communities At Risk Using Time Series and Panel Regression Modeling: Case Study of Ohio”, Western Regional Science Association, Monterey, February.

2010 **Ye, X.** and Carroll, M. “Warn Notice Toolbox”, Regional Science Association International, Denver, November.

2010 Carroll, M. and **Ye, X.** “Unemployment Rate Clock”, Regional Science Association International, Denver, November.

2010 **Ye, X.**, Miller, J., and Mabrey, D. “Exploratory Space-Time Analysis of Terrorism Attacks”. AAG, Washington, DC, April.

- 2010 Wu, L., Wells, W., and **Ye, X.** “Patterns of Near-Repeat Gun Assaults in Houston”, The Academy of Criminal Justice Sciences, San Diego, February.
- 2010 Carroll, M. and **Ye, X.** “Exploratory Space-Time Analysis of Communities At Risk”, Western Regional Science Association, Sedona, February.
- 2010 **Ye, X.** and Rey, S. J. “Space-Time Empirics for Economic Growth”, Western Regional Science Association, Sedona, February.
- 2009 Carroll, M. and **Ye, X.** “Industry Cluster Time Path”, Regional Science Association International, San Francisco, November.
- 2009 **Ye, X.** and S.J. Rey. “A Framework for Comparative Space Time Analysis”, AAG, Las Vegas, March.
- 2009 Li, Y., Wei, Y. D., and **Ye, X.** “Beyond Convergence: Geographies of Regional Inequality of China”, AAG, Las Vegas, March.
- 2008 Rey, S. J. and **Ye, X.** “Distributional Properties of LISA Time Path”, Regional Science Association International, New York.
- 2008 Rey, S. J. and **Ye, X.** “Dynamic Pseudo Weighted Voronoi: Integrating Cartogram and Voronoi Diagrams”, AAG, Boston, April.
- 2007 Rey, S. J. and **Ye, X.** “Comparative Spatial Dynamics of Regional Systems”, Regional Science Association International, Savannah.
- 2007 Rey, S. J. and **Ye, X.** “Spatial Dynamics in City Size Distribution”, ICA Workshop (peer-reviewed), UGA, July.
- 2007 Xie, Y. and **Ye, X.** “Multi-category Tempo-Spatial Pattern Analysis (McTSPA)”, Geocomputation.
- 2007 Rey, S. J. and **Ye, X.** “Exploratory Comparative Spatial Dynamics: Integrating Computational Geometry with ESTDA”, AAG, San Francisco, April.
- 2007 **Ye, X.** “Spatial Analysis of Urban System”, Graduate Open House, Department of Geography, University of California, Santa Barbara, March.
- 2006 Rey, S. J. and **Ye, X.** “Exploring Spatial Dynamics in City Size Distributions”, Regional Science Association International, Toronto, November.
- 2006 Duque, J. and **Ye, X.** “Identifying Temporal Lag in Analytical Regionalisation Procedures”, Regional Science Association International, Toronto, November.

2006 **Ye, X.** “Spatializing Zipf’s Law in the Dynamic Context: US Cities 1960-2000”, UCGIS, Vancouver, June.

2006 Rey, S. J. and **Ye, X.** “Comparative Space-Time Dynamics”, AAG, Chicago, March.

2006 Rey, S. and **Ye, X.** “Comparative Regional Inequality between the US and China”, Open House, San Diego State University, March.

2005 **Ye, X.**, Xie, Y., and Batty, M. “Modeling Transition Rules in Urban Cellular Automata”, Geocomputation, Ann Arbor, August.

2005 **Ye, X.** “Urban Dynamics in China”, AAG, Denver, March.

2004 Xie, Y. and **Ye, X.** “Comparative Analysis of Spatial Pattern Changes: CASP”, GIScience, Maryland, October.

2004 **Ye, X.** and Xie, Y. “Simulating Residential Land Use and Housing Market Change in a GIS based CA-MAS environment”, AAG, Philadelphia, March.

2003 Xie, Y., Batty, M., and **Ye, X.** “Examining Policy Impacts on Urban Growth from GIS-based Cellular Automata Models”, International Seminar on Geo-Cellular Automata and Its Applications, Beijing, December.

2003 Xie, Y. and **Ye, X.** “Regional Patterns of Urban System Evolution in China.” CPGIS Global Day Workshop, Ann Arbor, October.

2003 **Ye, X.** “Understanding Urban Sprawl in A GIS Based CA Environment”, Joint Meeting of the East Lakes and West Lakes Divisions of AAG, Kalamazoo, October.

2003 Nystuen, J., Batty, M., Xie, Y., **Ye, X.**, and Wagner, T. “The Dynamics of Zipf”, University of Michigan, May.

2003 **Ye, X.** and Xie, Y. “Modeling Suburbanization in Metropolitan Detroit”, AAG, New Orleans, March.

2002 **Ye, X.** and Wei, Y. D. “Intra-provincial Inequality in China”, AAG, Los Angeles, March.