

Xinyue Ye, Ph.D.
Assistant Professor, Center for Regional Development
(Department of Commerce EDA University Center)
Assistant Professor, School of Earth, Environment, and Society
Bowling Green State University, Bowling Green, Ohio 43403-0181
Phone: (419)372-9125, Email: xye@bgsu.edu

Education

Ph.D. Geography, University of California, Santa Barbara (2005-2009)
Dissertation: Comparative Space-Time Dynamics (defended on 2010)
Committee: Sergio Rey, Michael Goodchild, Arthur Getis, Richard Church, Li An

M.S. Geographic Information System, Eastern Michigan University
Research Project: Urban Modeling and Land Use Change Detection in Detroit
Supervisor (Non-Thesis): Yichun Xie and Michael Batty (University College London)

M.A. Human Geography, University of Wisconsin, Milwaukee
Thesis: Intra-provincial Inequality in China under Reform, 1978-1998: The Case Study of Zhejiang
Advisor: Yehua Dennis Wei

B.A. Urban Planning, Zhejiang University, China

Main Honors and Awards

2011 Nomination of Emergent Scholar Award, Regional Development and Planning, Association of American Geographers (AAG)

2008 US National Science Foundation Doctoral Dissertation Research Improvement Grant (Award # 0826594): Comparative Space-Time Dynamics

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

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

Funding

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

2011-2012 Co-PI, Coastal Ohio Wind, US Department of Energy

2011-2012 Member, Space-Time Analysis of Intra-provincial Inequality in China: Economic Transition, Industrial Restructuring and Spatial Agglomeration, China Natural Science Foundation (41028001)

2009-2012 Co-PI, University Center Program. (EDA Investment # 06-66-0505402). US Department of Commerce, Economic Development Administration.

2008-2009 Co-PI, Doctoral Dissertation Research Improvement Grant: Comparative Space-Time Dynamics, US National Science Foundation

Experience

2009- Assistant Professor (Tenure-Track), Center for Regional Development (Department of Commerce EDA University Center) & School of Earth, Environment, and Society, Bowling Green State University

2009- Developer Team Leader of Open Source Local 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

2002-2005 GIS Developer and Urban Specialist, 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

Service to the Profession

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

2011- Research Affiliate, China Data Center, University of Michigan

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

2011- 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- Faculty Mentor, US NSF Setgo (Science, Engineering & Technology Gateway Ohio)

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

2010- Webmaster and Officer, China Geography Specialty Group, Association of American Geographers (AAG)

2010- Contributor/Reviewer, Spatial Decision Support Consortium

Books and Edited Volumes

2012/13 Wei, Y.H.D. and Ye, X. (eds.) Special Issue on Urbanization, Land Use, and Sustainable Development in China, *Stochastic Environmental Research & Risk Assessment*

2012/13 Ye, X. (ed.) Special Issue on Environmental Justice and Climate Change in Developing Countries, *Journal of Earth Science & Climatic Change*

2012/13 Bao, S., Ye, X. and Li, B. (eds.) Special Issue on Spatial Intelligence for Urban and Regional Analysis, *International Journal of Applied Geospatial Research*

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

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

Editorship

2011- Associate Editor, Stochastic Environmental Research & Risk Assessment (SCI Journal)

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

2011- Editorial Board Member, Journal of Ecosystem & Ecography

2010- North America Executive Editor, Journal of Earth Science & Climatic Change

Peer Reviewed Journal Articles

2011 Ye, X. and Rey, S.J. "A Framework for Exploratory Space-Time Analysis of Economic Data" *Annals of Regional Science* DOI: 10.1007/s00168-011-0470-4 (SSCI)

2011 Wu, L., X. Ye, and D. Webb. "Space-Time Analysis of Auto Burglary Patterns in a Fast-growing Small City", *International Journal of Applied Geospatial Research* (in press)

2011 Ye, X. and Xie, Y. "Re-examination of Zipf's Law and Urban Dynamic in China: A Regional Approach" *Annals of Regional Science* DOI: 10.1007/s00168-011-0442-8 (SSCI)

2011 Ye, X. and Carroll, M. "Exploratory Space-Time Analysis of Local Economic Development" *Applied Geography*. 31: 1049-1058. (SSCI)

2011 Ye, X. and L. Wu. "Analyzing the Dynamics of Homicide Patterns in Chicago: ESDA and Spatial Panel Approaches" *Applied Geography*. 31: 800-807 (SSCI)

2011 Wells, W., L. Wu., and X. Ye. "Patterns of Near-Repeat Gun Assaults in Houston" *Journal of Research in Crime and Delinquency* DOI: 10.1177/0022427810397946 (SSCI)

2011 Ye, X. What are the short- and long-term effects of China's rapid economic growth on the stability of the global environment? *Enduring Questions on World Geography*, ABC-Clio (forthcoming)

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 (in press)

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 (in press)

2011 Leipnik, M. and Ye, X. "Geography of the Corn Belt and High Plains Agricultural Regions in the United States of America". In Rudi H. and Wang J. (eds.). *A Comparative Geography of China and the U.S.*. Springer. (conditionally accepted).

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

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

2011 Li, Y., C. Huang. and X. Ye. "Analyzing and planning rural ecosystem and environment in high-resolution remote sensing and GIS environment: a case study of the Beautiful Countryside", *GeoInformatics 2011* (EI)

- 2010 Ye, X. and M. Leipnik. "Small Business and Economic Growth in China: A Geopreneurial Perspective". In Zhang, T. and Stough, R. (eds.). *Entrepreneurship & Economic Growth in China*. World Scientific (in press)
- 2010 Rey, S. and X. Ye. "Comparative Spatial Dynamics of Regional Systems." In A. Páez, J. Le Gallo, R. Buliung, and S. Dall'Erba (eds.) *Progress in Spatial Analysis: Theory, Computation, and Thematic Applications*. 441-464. Springer.
- 2009 Wei, Y.D. and X. Ye. "Beyond Convergence: Space, Scale, and Regional Inequality in China." *Tijdschrift voor Economische en Sociale Geografie, TESG: Journal of Economic and Social Geography*. 100:59-80. (SSCI)
- 2007 Xie, Y. and X. Ye. "Comparative Tempo-Spatial Pattern Analysis: CTSPA." *International Journal of Geographical Information Science*. 21:49-69. (SSCI)
- 2007 Xie, Y. and X. Ye. "Evolution of Urban System in China." In G. Pomeroy (eds.) *Geographic Perspectives on Cities, Regions and Society, Volume One: Urban*. Concept Publishing.
- 2007 Rey, S.J. and X. Ye. "Spatial Dynamics in City Size Distribution", The 2nd ICA Workshop on Geospatial Analysis and Modeling (Spatial Structure and Dynamics of Urban Environments), Online Proceedings.
- 2007 Xie, Y. and X. Ye, "Multi-category Tempo-Spatial Pattern Analysis (McTSPA)." *Geocomputation 2007, Proceedings*.
- 2006 Ye, X., "Spatializing Zipf's Law in the Dynamic Context: US Cities 1960-2000." *UCGIS 2006 Summer Assembly, Online Proceedings*.
- 2006 Ye, X., Stephens, P., Pattaniak, S., Li, X., Elias, M. and M. Janikas. "Subject and author indexes to 2005 regional science and related journal literature." *The International Regional Science Review*. (SSCI)
- 2005 Ye, X. and Y.D. Wei. "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)
- 2005 Ye, X., Y. Xie and M. Batty, "Modeling Transition Rules In Urban Cellular Automata." *Geocomputation 2005, Proceedings, CD-ROM*.
- 2004 Xie, Y. and X. Ye, "Comparative Analysis of Spatial Pattern Changes: CASP." *GIScience 2004 Proceedings*.
- 2004 Wei, Y.D. and X. Ye. "Regional Inequality in China: A Case Study of Zhejiang Province." *Tijdschrift voor Economische en Sociale Geografie, TESG: Journal of Economic and Social Geography*. 1: 44-60. (SSCI)

Book Reviews

2011 Ye, X. Education and Inequality Across Europe. By Peter Dolton, Rita Asplund, and Erling Barth. Cheltenham, In Review of Social Economy (in press).

2011 Ye, X. Portfolios of the Poor: How the World's Poor Live on \$2 a Day. By Daryl Collins, Jonathan Morduch, Stuart Rutherford, and Orlanda Ruthven. In Review of Social Economy (in press).

2011 Ye, X. Knowledge Discovery in Spatial Data, By Yee Leung, In 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.; Stough, R.R., In Regional Studies, 45:4, 560-561.

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

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

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

2006 Ye, X. The Urban Geography Reader. Edited by Nick R. Fyfe and Judith T. Kenny. In Regional Studies, 3: 425-426.

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

Conference Papers

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

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

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 2011. Santiago, Chile, November.

2011 Carroll, M., Reid, N. and Ye, X. "Spatial and Temporal Patterns of the Recent Recession," at the annual meeting of the 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", in "Globalizing Rural Places", 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 X. Ye. "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 X. Ye. "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 X. Ye. "Patterns of Near-Repeat Gun Assaults in Houston", The Academy of Criminal Justice Sciences, San Diego, February.

2010 Carroll, M. and X. Ye. "Exploratory Space-Time Analysis of Communities at Risk", Western Regional Science Association, Sedona, February.

2010 Ye, X. and S.J. Rey. "Space-Time Empirics for Economic Growth", Western Regional Science Association, Sedona, February.

2009 Carroll, M. and X. Ye. "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., Y.D. Wei, and X. Ye. "Beyond Convergence: Geographies of Regional Inequality of China", AAG, Las Vegas, March.

2008 Rey, S.J. and X. Ye. "Distributional Properties of LISA Time Path", Regional Science Association International, New York.

2008 Rey, S.J. and X. Ye. "Dynamic Pseudo Weighted Voronoi: Integrating Cartogram and Voronoi Diagrams", AAG, Boston, April.

2007 Rey, S.J. and X. Ye. "Comparative Spatial Dynamics of Regional Systems", Regional Science Association International, Savannah.

2007 Rey, S.J. and X. Ye. "Spatial Dynamics in City Size Distribution", ICA Workshop (peer-reviewed), UGA, July.

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

2007 Rey, S.J. and X. Ye. "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 X. Ye. "Exploring Spatial Dynamics in City Size Distributions." Regional Science Association International, Toronto, November.

2006 Duque, J. and X. Ye "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 X. Ye. "Comparative Space-Time Dynamics." AAG. Chicago. March.

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

2005 Ye, X., Y. Xie and M. Batty. "Modeling Transition Rules In Urban Cellular Automata." Geocomputation 2005. Ann Arbor. August.

2005 Ye, X. "Urban Dynamics in China." AAG. Denver. March.

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

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

2003 Xie, Y., M. Batty and X. Ye. "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 X. Ye. "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., M. Batty, Y. Xie, X. Ye. and T. Wagner "The Dynamics of Zipf." University of Michigan. May.

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

2002 Ye, X. and Y.D. Wei. "Intraprovincial Inequality in China." AAG. Los Angeles. March.

Invited Lectures and Panels

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 Developemnt." NSF Setgo Summer Research Meeting. Bowling Green, June.

2011 Ye, X. "Open Source Regional Analysis Tools: Integrating Research and Education in Regional Development." Challenges in Regional Development and Planning, AAG, Seattle, April.

2011 Ye, X. "Analyzing the Dynamics of Homicide Patterns in Chicago: ESDA and Spatial Panel Approaches". 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.

Referred Chinese Publications

2000 Li, W., X. Ye and W. Qi. "Review of Human Settlement Theories and Practices." Zhejiang Daxue Xuebao (Academic Journal of Zhejiang University). 2: 204-211.

1999 Li, W., X. Ye and Y. Sun. "The Assessment of Urban Human Settlements." Jingji Dili(Economic Geography).

1999 Li, W., L. Xie and X. Ye. "Study on the Managerial Model of Urban Flowing Population." Zhejiang Daxue Xuebao (Academic Journal of Zhejiang University). 1: 80-86

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

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

Grant and Journal Referee

The U.S. National Science Foundation (2010)

African Journal of Agricultural Research (2010)

Applied Geography (2010, 2011)

Ecological Modeling (2010)

Economic Development Quarterly (2010, 2011)

Environmental Management (2006)

Environmental Science and Policy (2006, 2008, 2009, 2010, 2011)

GeoInformatics 2011 (The 19th International Conference on GeoInformatics) (2011)

Human Ecology Review (2008)

International Development Planning Review (2011)

International Journal of Applied Geospatial Research (2011)

International Regional Science Review (2007, 2008, 2010)

Journal of Economic Geography (2007)

Journal of Geography and Regional Planning (2011)

Journal of Geographical Systems (2011)

Photogrammetric Engineering and Remote Sensing (2008)

Population and Environment (2006)

Regional Studies (2009)

Stochastic Environmental Research and Risk Assessment (2006, 2010)
Urban Geography (2010)

Graduate Advising (* chair)

Kenny Brown, Landslide Detection within Glacially Dominated Cuyahoga River Valley Using LIDAR, Classification tree analysis, Artificial Neural Network Analysis Modeling (in progress)

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

*Jiefan Yu, Space-Time Analysis of Earthquake: The Case of Yellowstone National Park (in progress)

Courses

Global Economic Geography (Undergraduate, BGSU, Fall 2010, 2011)

Regional Economic Geography (Undergraduate/Graduate, BGSU, Spring 2010, 2011)

Seminar in Space Time Analysis (Graduate, BGSU, Spring 2011)

Directed Readings in Geology (Graduate, BGSU, Spring 2011)

Seminar in Spatial Disease Mapping (Graduate, BGSU, Fall 2010)

Public Health Data Analysis (Special Problems in Geography) (Undergraduate, BGSU, Fall 2010)

Tracking Terrorism (Special Problems in Geography) (Undergraduate, BGSU, Spring 2011)

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

Service to University

2011- Co-advise Website Development for Department of Geography

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

Professional Associations

Association of American Geographers

International Association for China Planning

The International Association of Chinese Professionals in Geographic Information Science

Regional Science Association International

Western Regional Science Association