

Luc Anselin, Ph.D.

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EDUCATION

- *Ph.D., Regional Science*, Cornell University, 1980
Dissertation: *Estimation Methods for Spatial Autoregressive Structures: A Study in Spatial Econometrics*
- *M.A., Regional Science*, Cornell University, 1979
- Department of City and Regional Planning, Rijksuniversiteit Gent (Belgium), 1976–77
- *Graduate Certificate in Statistics, Econometrics and Operations Research*, Vrije Universiteit Brussel (Belgium) (Master's Degree), *summa cum laude*, 1976
- *Special Degree in Education of Business and Economics at the High School Level*, Vrije Universiteit Brussel (Belgium) (High School Teacher's License), 1976
- *Licenciate in Economics*, Vrije Universiteit Brussel (Belgium) (B.S), *magna cum laude*, 1975
Thesis: *Zero Growth, A Critical Analysis* (in Dutch)

HONORS AND AWARDS

- 2022 *Waldo Tobler Award in Geographic Information Science*, Austrian Academy of Sciences
- 2019 *Lifetime Achievement Award*, International Association of Chinese Professionals in Geographic Information Science (CPGIS)
- 2013 *UCGIS Research Award*, University Consortium for Geographic Information Science, 2013
- Elected *UCGIS Fellow*, University Consortium for Geographic Information Science, 2012
- Elected *Fellow*, *American Academy of Arts and Sciences*, 2011.
- Elected *Member*, *U.S. National Academy of Sciences*, 2008.
- *Empirical Economics Springer Prize*, Best Paper in Empirical Economics (Anselin and Lozano-Gracia, 2008), 2007.
- *William Alonso Memorial Prize*, Regional Science Association International, 2006.
- *Fellow*, *Spatial Econometric Society*, 2006.
- *Walter Isard Award*, Regional Science Association International, 2005.
- Elected *Fellow*, *Regional Science Association International*, 2004.
- *National Center for Supercomputing Applications (NCSA)*, *Faculty Fellow*, University of Illinois, Urbana-Champaign, 2004–2006.
- *Incomplete List of Teachers Ranked as Excellent by Their Students*, University of Illinois, Urbana-Champaign, 2003, 2005, 2007.
- College of Engineering *Outstanding Junior Faculty Researcher Award*, The Ohio State University, 1984.

- Cornell University, *Andrew D. White Fellowship*, 1977-1980.
- Cornell University, *Graduate Summer Fellowship*, 1978, 1979.
- Belgian American Educational Foundation, *Hoover Fellow*, 1977–1978.
- *Government Medal of Excellence* (Belgium - High School Award), 1971.

ACADEMIC APPOINTMENTS

University of Chicago, Chicago, IL 7/16–present

- *Stein-Freiler Distinguished Service Professor of Sociology and the College*
- *Committee on Quantitative Methods in Social, Behavioral and Health Sciences*
- *Senior Fellow, NORC*
- *Affiliated Faculty, Program on Global Environment*

Nanjing Normal University, Nanjing, China 5/19–12/24

- *Affiliated Faculty, School of Geographical Sciences*

Arizona State University, Tempe AZ, 7/07–6/16

- *Research Professor, School of Geographical Sciences and Urban Planning (7/16-6/17)*
- *Regents' Professor, School of Geographical Sciences and Urban Planning (12/11-6/16)*
- *Walter Isard Chair (4/10-6/16)*
- *Distinguished Sustainability Scientist, Global Institute of Sustainability (10/10-6/16)*
- *Foundation Professor of Geographical Sciences (7/07-4/10)*
- *Affiliated Faculty, School of Sustainability (7/07–6/16)*

Brown University, Providence, RI 1/15–6/17

- *Visiting Professor, Department of Sociology*
- *Visiting Scholar, Spatial Structures in the Social Sciences, Department of Sociology, 8/13-12/13*

Massachusetts Institute of Technology, Cambridge, MA 7/13-1/15

- *Visiting Professor, Department of Urban Studies and Planning*

Wuhan University, Wuhan, China 6/10–6/15

- *Guest Professor, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS)*

University of Illinois, Urbana-Champaign, 8/99–8/07

- *Faculty Excellence Professor, Department of Agricultural and Consumer Economics, 8/99–8/07, Department of Geography, 8/05–8/07*
- *Professor, Department of Urban and Regional Planning, 8/99–8/07*
- *Professor, Department of Economics, 8/99–8/07*
- *Professor, Department of Political Science, 3/06–8/07*
- *Senior Research Scientist, National Center for Supercomputing Applications, 5/06–7/07*
- *Senior Research Professor, Regional Economics Applications Laboratory (REAL), 8/99–8/07*

University of Texas, Dallas, 7/98–7/99

- *Professor of Economics, Geography and Political Economy, School of Social Sciences*

West Virginia University, 5/93–7/98

- *Research Professor of Regional Science, Regional Research Institute*
- *Professor of Economics*
- *Adjunct Professor of Geography*
- *Adjunct Professor of Agricultural and Resource Economics*

Interuniversity Consortium for Political and Social Research (ICPSR), University of Michigan, Ann Arbor, MI, 6/95–6/04

- *Faculty, Summer Program in Quantitative Methods*

Institute of Behavioral Science, University of Colorado, Boulder, CO, 7/90–12/90

- *Visiting Research Scholar*

University of California, Santa Barbara, CA, 7/85–6/94

- *Professor, Department of Geography, 7/89–6/94*
- *Professor, Department of Economics, 7/89–6/94*
- *Associate Professor, Department of Economics, 9/87–6/89*
- *Associate Professor, Department of Geography, 7/85–6/89*

The Ohio State University, Columbus, OH, 9/80–6/85

- *Assistant Professor, Department of City and Regional Planning*

Cornell University, Ithaca, NY, 1980

- *Instructor, Graduate Field of Regional Science*

Vrije Universiteit Brussel (Belgium), 1977

- *Researcher, Center for Demography, Department of Sociology*

Dutch High School Prinses Juliana, Brussel (Belgium), 1975–77

- *Teacher (Economics)*

ADMINISTRATIVE APPOINTMENTS

University of Chicago, Chicago, IL, 6/16–present

- *Founding Director, Center for Spatial Data Science*
- *Chair, Committee on Geographical Sciences, 7/17– 6/20*
- *Program Director, Minor in Geographical Sciences 7/21–*

Wuhan University, Wuhan, China, 1/18–present

- *Co-Director, Geocomputation Center for Social Science*

Arizona State University, Tempe, AZ, 7/07–6/16

- *Founding Director, GeoDa Center for Geospatial Analysis and Computation, 7/07–6/16*
- *Founding Director, School of Geographical Sciences and Urban Planning, 6/09–7/13*
- *Interim Director, School of Planning, 10/08–5/09*
- *Director, School of Geographical Sciences, 7/07–5/09*

University of Illinois, Urbana-Champaign, IL, 8/99–7/07

- *Director, Spatial Analysis Laboratory, 8–02/7/07*
- *Associate Director, Illinois Center for Computing in the Humanities, Arts and Social Sciences (I-CHASS), 5/06–7/07*

University of Texas, Dallas, TX, 7/98–7/99

- *Director, Bruton Center for Development Studies, 7/98–7/99*

West Virginia University, Morgantown, WV, 5/93–7/98

- *Interim Director, Regional Research Institute, 5/97–5/98*

University of California, Santa Barbara, CA, 7/85–6/93

- *Associate Director, National Center for Geographic Information and Analysis (NCGIA), Director, David S. Simonett Center for Spatial Analysis, 4/91–6/93*
- *Graduate Advisor and Chair Graduate Committee, 7/88–12/89, 4/92–9/92*
- *Vice Chair, 7/88–6/89*

The Ohio State University, Columbus, OH, 9/80–6/85

- *Interim Chair, Department of City and Regional Planning, 3/85–6/85*

TEACHING

University of Chicago, Chicago IL, 7/16–present

- Introduction to Spatial Data Science (UG/G)
- Spatial Regression Analysis (UG/G)
- Spatial Cluster Analysis (UG/G)
- GIScience Practicum (UG)
- Social Science Inquiry – Spatial Analysis I, III (UG, core)

Brown University, Providence, RI, 1/15–6/17

- Spatial Data Analysis Techniques for the Social Sciences (G)
- Advanced Spatial Data Analysis Techniques for the Social Sciences (G)

Arizona State University, Tempe AZ, 7/07–6/16

- Geographic Information Analysis (UG/G)
- Advanced Spatial Statistics (G)
- Spatial Analysis for Planners (G)
- ASU 101 – The ASU Experience (UG)
- Spatial Regression Analysis (UG/G)
- Spatial Econometrics (G)
- Open Source Software Tools for Planners (UG/G)
- Topics in Spatial Regression Analysis (G)

Massachusetts Institute of Technology, Cambridge, MA, 7/13–1/15

- Dynamic Urban Neighborhoods, City Scale Spatial Analytics (G)
- Applied Spatial Data Analysis with GeoDa/PySAL (G)

University of Illinois, Urbana-Champaign, 8/99–8/07

- Spatial Econometrics (G)
- Spatial Analysis (G)
- Computational Techniques for Spatial Analysis (G)
- Advanced Spatial Analysis (G)
- Research Methods (G)

University of Texas, Dallas, 7/98–7/99

- GIS Application Software Development (G)
- Spatial Econometrics (G)
- Advanced GIS (G)
- Internet GIS (G)

Interuniversity Consortium for Political and Social Research (ICPSR), University of Michigan, Ann Arbor, MI, 6/95–6/04

- Spatial Data Analysis and GIS
- Introduction to Spatial Data Analysis
- Spatial Regression Analysis

West Virginia University, 5/93–7/98

- Econometrics I (G)
- Seminar in Econometrics (G)
- Seminar in Regional Economics (G)
- Spatial Econometrics (G)
- Spatial Analysis (G)
- Virtual Seminar in Geographic Information Systems (UCGIS)

University of California, Santa Barbara, CA, 7/85–6/94

- Introduction to Socio-Economic Geography (UG)
- Urban Geography (UG)
- Location Theory (UG)
- Real Estate and Housing Markets (UG)
- Urban and Regional Economics (UG)
- Introduction to Regional Modeling and Planning (UG)
- Geographical Data Analysis (UG/G)
- Spatial Statistics (G)
- Seminar in Regional Analysis (G)
- Methods of Regional Analysis (G)
- Seminar in Urban Problems (G)
- Seminar in Geographic Information Systems (G)

The Ohio State University, Columbus, OH, 9/80–6/85

- Multiregional Planning Methods and Models (G)
- Spatial Models in Urban Planning (G)
- Decision Analysis in Urban and Regional Planning (G)
- Regional Planning Studio (G)
- Outlines of Regional Planning (G)
- State Planning of Regional Growth and Development (G)
- Plan and Project Evaluation (G)
- Seminar in Location Policy Planning (G)
- Seminar in Problem Solving Skills (G)

Cornell University, Ithaca, NY, 1980

- Non-Parametric Statistics for Regional Scientists (G)

EDITORIAL APPOINTMENTS

Editorships

- Editor, *International Regional Science Review*, 1996–2014
- Founding Co-Editor, *Letters in Spatial and Resource Science*, 2007–09
- Editor-in-Chief, *Papers in Regional Science*, *The Journal of the Regional Science Association International*, 1993–95
- North American Editor, *Papers in Regional Science*, *The Journal of the Regional Science Association International*, 1992–95
- Co-Editor, Book Series in *Regional Science and Urban Economics*, North Holland Publishers, Amsterdam, 1991–93
- Co-Editor, *Conflict Management and Peace Science*, 1979–80

Guest Editor

- *Geo-Spatial Information Sciences*, Special Issue on *Geocomputation for Social Sciences*, 2019
- *International Regional Science Review*, Special Issue on *Memorial for Raymond Florax*, 2020; Special Issue on *Memorial for Andrew Isserman*, 2013; Special Issue on *Spatial Externalities*, 2003; Special Issue on *Spatial Econometrics*, 1997
- *Geographical Analysis*, Special Issue on *Software for Spatial Analysis in the Social Sciences*, 2006; Special Issue on *Open Source Software for Spatial Analysis*, 2022
- *Journal of Geographical Systems*, Special Issue on *Computing Environments for Spatial Data Analysis*, 2000; Special Issue on *Arthur Getis, a Legend in Geographical Systems*, 2023
- *Regional Science and Urban Economics*, Special Issue on *Space and Applied Econometrics*, 1992

Editorial Boards

- *Journal of Spatial Econometrics*, 2019–
- *Regional Studies*, *Regional Science* 2013–
- *Jahrbuch für Regionalwissenschaft/Review of Regional Research*, 2013–
- *Spatial Demography*, 2011–
- *Journal of Urban Management*, 2010–
- *Spatial Economic Analysis*, 2005–
- *Annals*, *Association of American Geographers*, 2001–2009, 2014–18
- *Journal of Geographical Systems/Geographical Systems*, 1992–
- *Papers in Regional Science*, 1990–91, 1996–
- *Regional Science and Urban Economics*, 1991–2010
- *Geographical Analysis*, 1990–2008, 2014–

- *Journal of Regional Science*, 1990–
- *International Regional Science Review*, 1988–95, 2014–

FUNDED RESEARCH

- *ADVancing the SOCiome for Social and Health Equity (ADVOCATE)*, CDAC Discovery Challenge (U Chicago), Co-PI, \$126,339, 2021-2022.
- *Methodology and Advanced Analytics Resource Center (MAARC)*, National Institute on Drug Abuse, Co-Investigator, \$3,635,990, 2019-2024.
- *Predictive Analytics Applied to Integrated Administrative Emergency Response Datasets in Chicago*, National Institutes of Health, Co-Investigator, \$914,654, 2019-2022.
- *Are Disease Rates Higher Near Polluting Buses? A Spatial Quasi-Experimental Analysis of Chicago*, Respiratory Health Association (Fiscal Agent for Joyce Foundation), Co-PI, \$55,000, 2019-2020.
- *Spatial Modeling of Air Quality and its Determinants, Partnership for Healthy Cities Chicago*, Principal Investigator, Vital Strategies (Fiscal Agent for Bloomberg Philanthropies), \$50,000, 2019-20.
- *Partnership for Healthy Cities Chicago*, Principal Investigator, Vital Strategies (Fiscal Agent for Bloomberg Philanthropies), \$80,000, 2018.
- *NORC and UChicago CSDS: A Partnership to Promote Spatial Analysis*, Co-Principal Investigator, NORC IDEALab Awards Program, \$25,000, 2017.
- *Networking Meetings by Center for Spatial Data Science*, Principal Investigator, The University of Chicago Center in Beijing, \$3,550, 2017.
- *Advancing Spatial Evaluation Methods to Improve Healthcare Efficiency and Quality*, Principal Investigator, Agency for Healthcare Research and Quality (AHRQ), \$1,250,000, 2013-18.
- *Spatial Regression Plug-In for ArcGIS*, Principal Investigator, Environmental Systems Research Institute, \$34,000, 2013-14.
- *Geospatial Factors and Impacts II*, Co-Principal Investigator, National Institutes of Health, \$1,600,000, 2012-16.
- *Si2-SSI: CyberGIS Software Integration for Sustained Geospatial Innovation*, Co-Principal Investigator, National Science Foundation, \$4,400,000, 2010–15
- *Flexible Geospatial Visual Analytics and Simulation Technologies to Enhance Criminal Justice Decision Support Systems*, Principal Investigator, National Institute of Justice, \$1,476,000, 2009–12
- *Improving Valuation for Property Tax Purposes through New Spatial Econometric Methods: The Case of Bogota, Colombia*, Co-Principal Investigator, Lincoln Institute of Land Policy, \$47,000, 2009–10
- *Support to the Institutional Strengthening of the Unidad Administrativa de Catastro Distrital Bogota, Colombia (UAECD)*, Co-Principal Investigator, Cadaster of Colombia, Bogota, \$65,000, 2008–09
- *Spatial Linkages and Urban Economic Development*, Co-Principal Investigator, U.S. Economic Development Administration, \$165,000, 2008–10

- *A Socio-Cultural Geospatial Analysis and Modeling Framework in Support of Stability Operations and Infrastructure Applications*, Principal Investigator, U.S. Army Construction Engineering Research Laboratory, \$390,000, 2008–09
- *Geospatial Factors and Impacts: Measurement and Use*, Co-Principal Investigator, National Institutes of Health (PI, subcontract from Research Triangle Institute International), \$825,000, 2007–11
- *Equity and Efficiency in Local Government Revenue Generation: A Spatially Explicit Analysis*, Co-Principal Investigator, The World Bank, \$75,000, 2006–07
- *Risk Analysis and Perception in Earthquake Decision Making*, Co-Principal Investigator, National Science Foundation/Mid America Earthquake Center, \$200,000, 2004–07
- *Hedonic Models of Location Decisions with Applications to Geospatial Micro-Data*, Co-Principal Investigator, National Science Foundation/Argonne National Laboratory, \$600,000, 2004–07
- *Extending the Frontier of Multivariate Geovisualization: Virtual Reality and Parallelization in GeoDa*, Principal Investigator, National Center for Supercomputing Applications, \$27,000, 2004–05
- *Prostate Cancer ESDA and Spatial Statistics*, Principal Investigator, Association of Teachers of Preventive Medicine (ATPM)/Centers for Disease Control Cooperative Agreement Subawards Program, \$758,000, 2003–06
- *Geovisualization and Spatial Analysis of Cancer Data*, Co-Principal Investigator, National Institutes of Health (PI, subcontract from Pennsylvania State University), \$318,000, 2002–07
- *Center for Spatially Enabled Social Science*, Co-Principal Investigator, National Science Foundation (PI, subcontract from UC Santa Barbara), \$940,000, 1999–04
- *A Multiobjective Decision Making Tool for the Redevelopment of the Calumet Region, Illinois*, Co-Principal Investigator, National Science Foundation/Environmental Protection Agency, \$275,000, 2001–02
- *The Sensitivity of Concentration-Response Functions to the Explicit Modeling of Space-Time Dependence*, Co-Principal Investigator, National Science Foundation/Environmental Protection Agency, \$150,000, 2000–02
- *A Web-Based Spatial Analytical Toolkit for the Study of Homicide Data*, Principal Investigator, National Consortium on Violence Research (NCOVR), \$104,000, 2000–01
- *The Spatial Patterning of County Homicide Rates in the Post-War Period: An Exploration of Diffusion Effects*, Co-Principal Investigator, National Consortium on Violence Research (NCOVR), \$97,000, 1998–99
- *Spatial Analyses of Cardiovascular Disease*, Co-Principal Investigator, Centers for Disease Control, \$91,000, 1997–98
- *Survey of High Technology Use in the West Virginia Manufacturing Industry*, Principal Investigator, Byrd Institute for Flexible Manufacturing, Marshall University, \$75,000, 1997–98
- *Spatial Econometric Analysis of Amazon Deforestation*, Consultant, NASA (PI, subcontract from University of Texas, Austin), \$7,000, 1997–98

- *Targeting Industry Clusters: Implications for Employment Growth in Rural Areas*, Co-Investigator, U.S. Department of Agriculture/NRI (PI, subcontract from Clemson University), \$14,000, 1996–98
- *Stroke in the Elderly: Small Area Analyses to Support Prevention Efforts among Medicare Beneficiaries*, Co-Principal Investigator, Health Care Financing Administration (HCFA)/Centers for Disease Control (CDC), \$360,000, 1996–97
- *New Methods for the Exploratory Analysis of Geographical Data*, Principal Investigator, National Science Foundation, \$82,000, 1994–96
- *Continued Development of SpaceStat, a Software Package for the Analysis of Spatial Data*, Principal Investigator, National Science Foundation/National Center for Geographic Information and Analysis, \$16,000, 1993–94
- *Editorial Office, Papers in Regional Science*, Principal Investigator, Regional Science Association International/UC Santa Barbara, \$55,000, 1993–95
- *Research Experience for Undergraduates (REU), Undergraduate Research in Regional Science*, Co-Principal Investigator, National Science Foundation, \$120,000, 1993–96
- *Integrating GIS and Spatial Analysis Techniques for the Study of Cassava-Based Cropping Systems in Africa*, Principal Investigator, The Rockefeller Foundation, \$67,000, 1992–94
- *Integrating GIS and Spatial Regression Analysis*, Principal Investigator, Environmental Systems Research Institute, \$12,000, 1992
- *Cooperative Research Between Hitachi America Limited and NCGIA*, Co-Principal Investigator, Hitachi America Limited, \$120,000, 1992–93
- *National Center for Geographic Information and Analysis* (fifth year renewal), Co-Principal Investigator, \$1,100,000, 1992–93
- *National Center for Geographic Information and Analysis* (fourth year renewal), Co-Principal Investigator, \$1,100,000, 1991–92
- *Peace, War, Guns and Butter: A Geographical Perspective*, Principal Investigator, The California Institute on Global Conflict and Cooperation, \$15,000, 1990–91
- *Spatial Analysis of International Conflict and Cooperation* (Collaborative Research with J. O'Loughlin), Principal Investigator, National Science Foundation, \$69,000, 1990–91
- *The Development of a Workbook of Laboratory Exercises and Accompanying Materials for Introduction to Socio-Economic Geography (Geography 5)*, Principal Investigator, UC Santa Barbara, Instructional Improvement Grant, \$6,000, 1990–91
- *The Development of Spatial Econometric Software with Standard Regression Packages*, Principal Investigator, UC Santa Barbara, Senate Committee on Research, General Research Grant, \$2,000, 1989–90
- *A Multi-Course, Multi-Media Database of Illustrative Materials for Courses in Urban and Behavioral Geography*, Co-Principal Investigator, UC Santa Barbara, Instructional Improvement Grant, \$8,000, 1989–90
- *Workshop on The Role of the State in Economic Development in the Pacific Rim*, Co-Principal Investigator, University of California, Pacific Rim Research Program, \$15,000, 1989–90

- *The Importance of Spatial Effects in Applied Regression Analysis in Regional Science and Geography* (Collaborative Research with D. Griffith), Principal Investigator, National Science Foundation, \$40,000, 1988–90
- *The Application of an Integrated Multiregional Input-Output and Econometric Modeling Framework to California Water Resources Problems*, Principal Investigator, The State of California, Water Resources Center, \$45,000, 1987–89
- *Economic Impacts of Alternative Development Scenarios for the University of California, Santa Barbara*, Principal Investigator, UC Santa Barbara, \$21,000, 1987–88
- *Robust Estimation, Qualitative Analysis and Model Validation in Spatial Econometrics*, Principal Investigator, National Science Foundation, \$50,000, 1986–88
- *Development of a Landsat-Thematic Mapper Estimate of the Magnitude and Spatial Variation of Fuel Loadings in Urban Areas: A Pilot Study for the San Jose Area, California*, Co-Principal Investigator, California Space Institute (UC San Diego), \$18,000, 1986–87
- *Developing Supporting Materials for a Microcomputer Oriented Set of Courses in Regional Modeling and Planning*, Principal Investigator, UC Santa Barbara, Instructional Improvement Grant, \$5,000, 1986–87
- *Specification Tests and Model Selection for Spatial Interaction and the Structure of Spatial Dependence*, Principal Investigator, National Science Foundation, \$40,000, 1983–85
- *Decision Support System for Utility Performance Evaluation*, Project Director, National Association of Regulatory Utility Commissioners (NARUC), \$147,000, 1983–85
- *A Micro-Analytic Approach to Intra-Urban Residential Movement, Housing Choice and Neighborhood Transition*, Co-Principal Investigator, The Ohio Board of Regents, \$40,000, 1984–85
- *Economic Development Problems and Programs in Ohio*, Co-Principal Investigator, The Ohio State University, \$17,000, 1981–82
- *Comparative Operating Statistics for Electric Utilities*, Project Director, U.S. Department of Energy, \$72,000, 1980–82

PUBLICATIONS

Citation Impact

ISI Web of Science (7/23)

- Total items: 149
- Sum of times cited: 20,450
- Average citations per item: 138.13
- h-index: 46

Google Scholar (7/23)

- Total citations: 93,256
- h-index: 97
- i-10 index: 223

Books, Edited Volumes and Monographs

- Anselin, L. and S. Rey, *Modern Spatial Econometrics in Practice, A Guide to GeoDa, GeoDaSpace and PySAL*. Chicago, IL, GeoDa Press, 2014.
- Clarke, K., L. Anselin, A. Bayen, G. Black, B. Battenfield, K. Carley, J. Jensen, R. Langley, E. Mikhael, S. Shekhar, M. Solem, P. Stephan, M. Yuan, M. Zyda, *Future U.S. Workforce for Geospatial Intelligence*. Washington, D.C., National Academies Press, 2013.
- Anselin, L. and S. Rey (Eds.), *Perspectives on Spatial Data Analysis*. Berlin, Springer-Verlag, 2010.
- Anselin, L., R. Florax and S. Rey (Eds.), *Advances in Spatial Econometrics. Methodology, Tools and Applications*. Berlin, Springer-Verlag, 2004.
- Anselin, L. and S. Rey (Eds.), *New Tools for Spatial Data Analysis: Proceedings of a Workshop*. Center for Spatially Integrated Social Science, University of California, Santa Barbara, 2002 (CD-ROM).
- Messner, S., L. Anselin, D. Hawkins, G. Deane, S. Tolnay, R. Baller, *An Atlas of the Spatial Patterning of County-Level Homicide, 1960–1990*. Pittsburgh, NCOVR (<http://www.ncovr.heinz.cmu.edu/>), 2000.
- Anselin, L. and R. Florax (Eds.), *New Directions in Spatial Econometrics*. Berlin, Springer-Verlag, 1995.
- Anselin, L. and M. Madden (Eds.), *New Directions in Regional Analysis: Integrated and Multiregional Approaches*. London, Belhaven Press, 1990 (paperback edition, 1993).
- Anselin, L., *Spatial Econometrics: Methods and Models*. Dordrecht, Kluwer Academic Publishers, 1988.
- Anselin, L., *Estimation Methods for Spatial Autoregressive Structures: A Study in Spatial Econometrics*. Regional Science Dissertation and Monograph Series #8, Ithaca, N.Y., Program in Urban and Regional Studies Publications, 1980.
- Lesthaeghe, R., with S. Wijewickrema, A. De Kerpel, Ph. Van Praag, M. Despontin, L. Anselin, H. Page, L. Hubert, *Demographic Alternatives for Belgium and their Socio-Economic Impacts*. Antwerpen, Amsterdam, De Sikkell-De Nederlandsche Boekhandel, 1979 (in Dutch).

Refereed Journal Articles

- Anselin, L., P. Amaral. "Endogenous Spatial Regimes." *Journal of Geographical Systems*, 2023 (DOI:10.1007/s10109-023-00411-2).
- Anselin, L., S. Rey. "Open Source Software for Spatial Data Science." *Geographical Analysis* 54, 2022: 429-438 (DOI:10.1111/gean.12339)
- Lin, Q, M. Kolak, B. Watts, L. Anselin, H. Pollack, J. Schneider, B. Taylor. "Individual, Interpersonal, and Neighborhood Measures Associated with Opioid Use Stigma: Evidence from a Nationally Representative Survey." *Social Science and Medicine* 305, 2022: 115034 (DOI:10.1016/j.socscimed.2022.115034).
- Algeri, C., L. Anselin, A. Fabio Forgione, C. Migliardo. "Spatial Dependence in the Technical Efficiency of Local Banks." *Papers in Regional Science* 101 (3), 2022: 685-716 (DOI:10.1111/pirs.12669)
- Anselin, L., X. Li and J. Koschinsky. "GeoDa. From the Desktop to an Ecosystem for Exploring Spatial Data." *Geographical Analysis* 54, 2022: 439-466 (DOI:10.1111/gean.12311)

- Zhu, R, L. Anselin, M. Batty, M-P Kwan, M. Chen, W. Luo, T. Cheng, C.K. Lim, P. Santi, C. Cheng, Q. Gu, M.S. Wong, K. Zhang, G. Lü, C. Ratti (2021). The Effects of Different Travel Models and Travel Destinations on COVID-19 Transmission in Global Cities. *Science Bulletin* 2022 (DOI:10.1016/j.scib.2021.11.023)
- Talen, E. and L. Anselin. "Tracking Sixty Years of Income Diversity Within Neighborhoods: The Case of Chicago, 1950-2010." *Cities* 121, 2022: 103479 (DOI:10.1016/j.cities.2021.103479).
- Rey, S., L. Anselin, P. Amaral, D. Arribas-Bel, R. Cortes, J. Gaboardi, W. Kang, E. Knaap, Z. Li, S. Lumnitz, T. Oshan, H. Shao and L. Wolf. "The PySAL Ecosystem: Philosophy and Implementation. *Geographical Analysis*, 54 2022 : 467-487 (DOI:10.1111/gean.12276).
- Saxon, J, J. Koschinsky, K. Acosta, V. Anguiano, L. Anselin and S. Rey. "An Open Software Environment to Make Spatial Access Metrics More Accessible." *Journal of Computational Social Science* 5, 2022: 265-284 (DOI:10.1007/s42001-021-00126-8)
- Talen, E. and L. Anselin. "City Cents: Tracking the Spatial Imprint of Urban Public Expenditures." *Cities* 108, 2021: 102962 (DOI:10.1016/j.cities.2020.102962)
- Wolf, L.J., L. Anselin, D. Arribas-Bel, L. Mobley. "On Spatial and Platial Dependence: Examining Shrinkage in Spatially-Dependent Multilevel Models." *Annals American Association of Geographers*, 111 (6), 2021: 1679-1691. (DOI:10.1080/24694452.2020.1841602)
- Press D., B. Aschebrook-Kilfoy, D. Lauderdale, E. Stepniak, S. Lin Gomez, E. Peterson Johnson, R. Gopalikrishnan, F. Smieliauskas, D. Hedeker, L. Bettencourt, L. Anselin, H. Ahsan. "Chicago Multiethnic Prevention and Surveillance Study (COMPASS): Increased Response Rates Among African American Residents in Low Socioeconomic Status Neighborhoods. *Journal of Racial and Ethnic Health Disparities* 8 (1), 2021: 186-198 (DOI:10.1007/s40615-020-00770-2).
- Anselin, L. and X. Li. "Tobler's Law in a Multivariate World." *Geographical Analysis* 52 (4), 2020: 494-510 (DOI:10.1111/GEAN.12237, April 2020).
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SELECTED CONFERENCE AND OTHER PRESENTATIONS

Keynotes and Distinguished Lectures

- Tobler Prize Award Lecture, Austrian Academy of Sciences, Vienna, March 15, 2023 (virtual): "*Tobler's Law and the Challenge of Identifying Local Multivariate Clusters*"
- Keynote, International Symposium on Spatial Econometrics and Spatiotemporal Innovation, Beijing, July 17, 2021 (virtual): "*GeoDa: From the Desktop to an Ecosystem for Exploring Spatial Data*"
- Inaugural Lecture, North American Regional Science Council Summer Speakers Series, (virtual), July 14, 2020: "*Regional Science: Origins and Development – A Personal Perspective*"
- Keynote, Advanced Forum on Spatial Data Analytics for Social Sciences, Wuhan University, Wuhan, China, Dec. 14, 2019: "*Spatial Data Science in the Social Sciences: Concepts, Methods and Challenges*"
- Keynote, 21st European Colloquium on Theoretical and Quantitative Geography, Mondorf-les-Bains, Luxembourg, Sept 5-9, 2019: "*More LISA: Univariate and Multivariate Extensions*"

- Keynote, Third Symposium on Spatial Data Science and Policy Analysis, Peking University, Beijing, China, June 20, 2019: *"More LISA: Univariate and Multivariate Extensions"*
- Keynote, Fifth Workshop on Spatial Information Intelligent Service/Inauguration of the Geocomputation Center for Social Sciences, Wuhan University, Wuhan, China, Jan. 13, 2018: *"Spatial Data Science in a CyberGIS Era"*
- Keynote, 25th International Conference on Geoinformatics, Buffalo, NY, August 2, 2017: *"The Many Faces of Spatial Clustering"*
- 2017 Gerard Rushton Academic Excellence Lecture, University of Iowa, Iowa City, IA, April 14, 2017: *"LISA at 21"*
- 2nd Annual Getis-Ord Lecture in Spatial Analysis, Western Regional Science Association, San Diego, CA, Feb. 17, 2014: *"Big Data, Spatial Analysis and CyberGIScience"*
- Research Award Keynote, University Consortium for Geographic Information Science, George Mason University, Fairfax, VA, May 21-23, 2013: *"Towards a Semantically Enabled Spatial Analytical Workbench (SESAW)"*
- Keynote, Andrew Isserman Memorial Symposium, University of Illinois, Urbana-Champaign, Urbana, IL, Oct. 4, 2011: *"Andrew Isserman's Regional Science"*
- Keynote Address, International Workshop on Cities, Globalization and Development, El Colegio Mexiquense, A.C., Toluca, Mexico, Sept. 21-22, 2011: *"From SpaceStat to CyberGIS, Twenty Years of Spatial Data Analysis Software"*
- Keynotes, Workshop on Advances in Spatial Statistics and Intelligence, Wuhan University, China, June 22-23, 2010: *"Advances in Spatial Econometrics, History, Current State of the Art and Future Directions," "New Tools for the Analysis of Spatial Data"*
- Keynote, Geoinformatics 2010, Beijing, China, June 17-20, 2010: *"GeoDa and Beyond, Towards Cyberinfrastructure for Spatial Data Analysis"*
- 26th Annual Reginald Golledge Distinguished Lecture in Geography, Department of Geography, University of California, Santa Barbara, CA, May 7, 2009: *"Twenty Years Since Spatial Econometrics"*
- Keynote Address, Third World Congress of the Spatial Econometrics Association, Brooklyn, NY, Nov. 18–19, 2008: *"Spatial Econometrics, Twenty Years Later"*
- Keynote Address, Australian Research Council Research Network for Spatially Integrated Social Science (ARCNSISS), Methodology, Tools and Techniques Forum, Newcastle, Australia, June 5–6, 2008: *"Spatial Econometrics, Retrospect and Prospect," "Spatial Econometrics: Models, Methods and Software"*
- Spatial Analysis and Modeling Plenary Lecture, 103rd Annual Meeting of the Association of American Geographers, San Francisco, CA, April 17–20, 2007: *"Spatial Econometrics, Retrospect and Prospect"*
- Alonso Award Address, 53rd Annual North American Meetings of the Regional Science Association International, Toronto, ON, Nov. 16–18, 2006: *"LISA..."*
- Inaugural Arthur Getis Lecture in Spatial Analysis, San Diego State University, San Diego, CA: October 7, 2005: *"A Look at 25+ Years of Spatial Econometrics: Past, Present and Future."*

- Keynote Address Section on Methodology, American Sociological Association 2003 Annual Meeting, Atlanta, GA August 17–20, 2003: *"Networks, Multipliers and Spatial Externalities in Spatial Regression"*
- Joseph Havlicek Jr. Memorial Lecture in Applied Econometrics, Dept. of Agricultural, Environmental and Development Economics, The Ohio State University, Columbus, OH, April 25, 2002: *"Spatial Externalities, Spatial Multipliers and Spatial Econometrics"*
- Opening Plenary Address, International Symposium on Geoinformatics and Socioinformatics – Geoinformatics '99, Ann Arbor, MI, June 19–21, 1999: *"The Future of Spatial Analysis for the Social Sciences."*
- Fifth Annual Demography Graduate Student Methodology Workshop, The Pennsylvania State University, State College, PA, May 19, 1998: *"Spatial econometric analysis of Amazon deforestation"*
- Hubert M. Blalock Jr. Memorial Lecture Series on Advanced Topics in Social Research, Interuniversity Consortium for Political and Social Research, University of Michigan, Ann Arbor, MI, Aug. 12, 1994: *"Spatial data analysis and GIS"*

Selected Presentations

- Spatial Study Group, Center for Spatial Data Science, University of Chicago, Chicago IL, February 21, 2023: *"Endogenous Spatial Regimes"* (with P. Amaral)
- Spatial Study Group, Center for Spatial Data Science, University of Chicago, Chicago IL, May 5, 2020: *"Tobler's Law in a Multivariate World, With Illustrations in GeoDa"*
- Colloquium, School of Geographical Sciences, Nanjing Normal University, Nanjing, China, Jan 8, 2020: *"Regional Science, Origins and Directions"*
- *Short Course on Recent Developments in Local Spatial Cluster Detection*, School of Geographical Sciences, Nanjing Normal University, Nanjing, China, Jan. 8-9, 2020.
- *Short Course on Recent Developments in Local Spatial Cluster Detection*, Geocomputation Center for Social Sciences, Wuhan University, Wuhan, China, Dec. 12-13, 2019.
- *Short Course on Spatial Clustering*, Peking University Graduate Summer School on Frontiers of Spatial Econometrics, Peking University, Beijing, China, June 17-19, 2019.
- Colloquium, School of Geographical Sciences, Nanjing Normal University, Nanjing, China, May 25, 2019: *"The Many Faces of Spatial Clustering"*
- Launching Ceremony of Innovation Center of 111 Plan for Capacity Building for Sustainable Discipline Development on Comprehensive Geographic Research, Nanjing Normal University, Nanjing, China, May 23-24, 2019: *"Research Topics in Applied Spatial Data Science and Economic Geography"*
- *GeoDa Training Workshop*, School of Geographical Sciences, Nanjing Normal University, Nanjing, China, May 22, 2019.
- Seminar, Institute for Public Health and Medicine, Northwestern University, April 25, 2019: *"The Many Faces of Spatial Clustering"*
- 114th Annual Meeting of the Association of American Geographers, Washington, DC, April 3-7, 2019: *"Persistent Neighborhood Diversity"* (with E. Talen); *"Local Patterns of Co-Location in the Retail Sector: A Descriptive Study of Spatial Firmography"* (with

- I. Farah); *"Shedding Light on the Retail Apocalypse"* (with K. Credit, I. Farah and R. Manduca); Panel on *"Geospatial Data Science: Frontiers and Opportunities"*
- 65th Annual Meeting of the North American Regional Science Council, San Antonio, TX, Nov. 7-10, 2018: *"Sensitivity of Spatial Econometric Flow Models to Different Specifications"* (with P. Aroca and C. Chasco); *"The Death and Life of Mom and Pop: A Preliminary Analysis of Small-Scale Retail in Chicago"* (with E. Talen, K. Credit, I. Farah)
 - Conference, Does Main Street Have a Future? Reconsidering Retail in the Era of Chain Stores and E-Commerce, University of Chicago, Chicago, IL, Nov. 1-2, 2018: *"The Death and Life of Mom and Pop: A Preliminary Analysis of Small-Scale Retail in Chicago"* (with E. Talen, K. Credit, I. Farah)
 - 58th Annual ACSP Conference, Buffalo, NY, Oct 25-28, 2018: *"Shedding Light on the Retail Apocalypse"* (with K. Credit, I. Farah and R. Manduca); *"The Death and Life of Mom and Pop: A Preliminary Analysis of Small Scale Retail in Chicago"* (with E. Talen, K. Credit, I. Farah).
 - *Short Course on Spatial Econometrics*, Summer School in Spatial Analysis, Peking University, Beijing, China, June 4-6, 2018.
 - *GeoDa Training Workshop*, College of Urban Planning and Public Affairs, University of Illinois, Chicago, IL, April 27, 2018.
 - Workshop on Quantitative Methods in Education, Health and Social Sciences, QMEHS, University of Chicago, Chicago, IL, April 13, 2018: *"More LISA, Multivariate Extensions"*
 - Colloquium, College of Urban Planning and Public Affairs, University of Illinois, Chicago, IL, April 6, 2018: *"More LISA, Multivariate Extensions"*
 - Colloquium, Department of Geography, University of California, Santa Barbara, CA, March 15, 2018: *"More LISA, Multivariate Extensions"*
 - 57th Annual Meeting of the Western Regional Science Association, Pasadena, CA, Feb. 11-14, 2018: *"A Spatial Perspective on the Econometrics of Program Evaluation"* (with M. Kolak)
 - Carto, Brooklyn, NY, Feb. 9, 2018: *"More LISA, Multivariate Extensions"*
 - 64th Annual Meeting of the North American Regional Science Council, Vancouver, BC, Nov. 8-11, 2017: *"A Spatial Perspective on the Econometrics of Program Evaluation"* (with M. Kolak)
 - Summer School in Spatial Analysis, Peking University, Beijing, China, June 18-21, 2017: *"The Many Faces of Spatial Clustering"*, *"Spatial Econometrics I"*, *"Spatial Econometrics II"*, *"Spatial Data Science in a CyberGIS Era"*
 - Workshop, NORC IdeaLabs, Chicago, IL, June 1, 2017: *"Exploring Geospatial Data With GeoDa"*, *"Spatial Econometrics with GeoDa and GeoDaSpace"*
 - Guest Lectures, UCGIS Summer School 2017, Collaborative Problem Solving with CyberGIS and Geospatial Data Science. NCSA, Urbana, IL, May 18-19, 2017: *"Spatial Data Science in a CyberGIS Era"*, *"Spatial Analytics in the Cloud with GeoDa-Web"*
 - Guest Lectures, Spatial Data Analysis in Practice, Royal Institute of Technology, Stockholm, Sweden, May 11-12, 2017: *"Beyond GeoDa, Modern Spatial Econometrics with GeoDaSpace"*, *"The Many Faces of Spatial Clustering"*

- Mind Bytes, University of Chicago Research Computing Center, Chicago, IL, May 2, 2017: *"Spatial Analytics in the Cloud with GeoDa Web"*
- Third Coast Center for AIDS Research (CFAR), Chicago, IL, April 21, 2017: *"The University of Chicago Center for Spatial Data Science, GeoDa and GeoDa Web"*
- 112th Annual Meeting of the Association of American Geographers, Boston, MA, April 4-9, 2017: *"Persistent Integration: An Exploration of Economically Diverse Neighborhoods in Chicago, 1940 to 2010"* (with E. Talen), *"Missing Values in a Dynamic Exploratory Spatial Data Analysis (ESDA) Software Environment"* (with X. Li and J. Koschinsky), Panel on *"Geographic Data Science"*
- Department of Geography, University of California, Santa Barbara, CA, March 6, 2017: Short Course on *"Spatial Regression Analysis with GeoDaSpace"*
- Argonne National Laboratory, Argonne, IL, Dec 6, 2016: *"The University of Chicago Center for Spatial Data Science – GeoDa and GeoDa-Web"*
- Chicago Department of Public Health, Chicago, IL, Oct 14, 2016: *"The Center for Spatial Data Science – GeoDa and GeoDa-Web"*
- Computational Social Science Workshop, University of Chicago, Chicago, IL, Oct 13, 2016: *"GeoDa, Exploring Spatial Data"*
- Big Questions, Big Data, and Big Computation – B³, Frontiers of Computational Social Science, Chicago IL, Oct 3, 2016: *"Big Data and Spatial Data Science"*
- Colloquium, Regional Research Institute, Morgantown, WV, March 10, 2016: *"Spatial Data Science in a CyberGIS Era"*
- 62nd Annual Meeting of the North American Regional Science Council, Portland, OR, Nov. 11-14, 2015: *"Computational Issues in Conditional Permutation Inference for LISA"* (with S. Rey and J. Laura); *"A Spatial-Temporal Treatment Effects Analysis, The Hardest Hit Funds Blight Elimination Program in Detroit"* (with N. Griswold and B. Calnin)
- Interface 2015, 45th Symposium on the Interface, Computing Science and Statistics, Morgantown, WV, June 10-13, 2015: *"GeoDa Web, Enhancing Web-Based Mapping with Spatial Analytics"* (with X. Li and J. Koschinsky)
- Colloquium, Computation Institute, University of Chicago, Chicago, IL, May 11, 2015: *"Spatial Data Science in a CyberGIS Era"*
- 110th Annual Meeting of the Association of American Geographers, Chicago, IL, April 21-25, 2015: *"Digital Neighborhoods"* (with S. Williams), *"Computational Issues in Conditional Permutation Inference for LISA"* (with S. Rey and J. Laura)
- Colloquium, Department of Sociology, University of Chicago, Chicago, IL, Jan. 12, 2015: *"Spatial Data Science"*
- Workshop on Bringing Social Science Back In: the Big Data Revolution and Urban Theory, Radcliffe Institute for Advanced Study, Harvard University, Cambridge, MA, Dec. 15-16, 2014: *"Spatial Data Science for an Enhanced Understanding of Urban Dynamics"*
- 61st Annual Meeting of the North American Regional Science Council, Washington, DC, Nov. 12-15, 2014: *"Digital Neighborhoods"* (with S. Williams); *"The Many Faces of Spatial Regression in PySAL"* (with S. Rey et al.)
- Workshop on Spatial Informatics, Faculty of the Built Environment, University of New South Wales, Sydney, Australia, Oct. 23, 2014: *"Spatial Analysis for Urban Informatics"*

- Colloquium, Faculty of the Built Environment, University of New South Wales, Sydney, Australia, Oct. 21, 2014: "*Digital Neighborhoods*"
- 2nd Annual Meeting of the Urban Sciences Research Coordination Network, Chicago, IL, June 11, 2014: "*Spatial Analytics for Urban Sciences*"
- 2014 University of Chicago Urban Forum, Chicago, IL, April 24, 2014: "*Digital Neighborhoods*" (with S. Williams)
- Mapping Sciences Committee, National Research Council, Washington, D.C., Dec. 17, 2013: "*CyberGIS*"
- Lunch and Learn Lecture, Boston Center for Knowledge and Analytics, Boston Consulting Group, Boston, MA, Dec. 5, 2013: "*Space and Big Data Analytics: Concepts and Tools*"
- Colloquium, geography@Harvard, Center for Geographic Analysis, Harvard University, Cambridge, MA, Dec. 4, 2013: "*Software Tools for Modern Spatial Econometrics*"
- Short Course, Population Studies and Training Center, Brown University, Providence, RI, Nov. 22, 2013: "*Introduction to GeoDa*"
- Department of Geography, University of Connecticut, Storrs, CT, Nov. 8, 2013: "*Software Tools for Modern Spatial Econometrics*"
- Department of Urban Studies and Planning, Massachusetts Institute of Technology, Cambridge, MA, Oct. 8, 2013: "*Software Tools for Modern Spatial Econometrics*"
- CyberGIS '13, Seattle, WA, Sept. 15-17, 2013: "*CyberGIS Integration of PySAL (CGPySAL): A Case Study of Spatial Regression Capabilities*" (with M. Hwang, Y. Liu, A. Padmanabhan, S. Rey and S. Wang); "*Metadata and Provenance for Spatial Analysis, the Case of Spatial Weights*" (with S. Rey and W. Li); "*Local Moran's I within the CyberGIS Framework Based on PySAL for the Analytics and the CSF for Visualization and Workflow Management*" (with R. Pahle and S. Rey); "*The Science of CyberGIS*" (panel)
- Colloquium, Spatial Structures in the Social Sciences (S4), Brown University, Providence, RI, Sept. 13, 2013: "*User-Friendly Software Tools for Modern Spatial Econometrics*"
- Scenes Working Group, Department of Sociology, University of Chicago, Chicago, IL, July 31, 2013: "*Local Indicators of Spatial Autocorrelation*"
- Stakeholders Dinner Presentation, Western Reserve Land Conservancy/Thriving Cities Institute, Cleveland, OH, July 30, 2013: "*The Importance of a Spatial Perspective in Demolition Research*"
- Short Course, Western Reserve Land Conservancy, Cleveland, OH, July 30, 2013: "*Introduction to GeoDa*"
- 109th Annual Meeting of the Association of American Geographers, Los Angeles, CA, April 8-12, 2013: *Panel*, Author meets the Critics, Robert Sampson, Great American City; "*Spatio-Temporal Thinking*"; "*Metadata and Provenance for Spatial Analysis: The Case of Spatial Weights*" (with S. Rey and W. Li)
- GIScience 2012, Columbus, OH, Sept. 18-21, 2012: Tutorial on "*PySAL and GeoDaSpace*" (with S. Rey), "*CyberGIS and Big Data, a Spatial Analytical Perspective*"
- CyberGIS '12, Urbana-Champaign, IL, Aug 6-9, 2012: "*Spatial Analysis in CyberGIS: Towards a Spatial Econometrics Workbench*" (with S. Rey and M. Hwang)

- Short Course, “*Spatial Regression*,” July 30-Aug 2, 2012, Chicago, IL.
- Short Course, “*Spatial Autocorrelation*,” July 25-27, 2012, Chicago, IL.
- Summer School of Spatial Econometrics Advanced Institute, University of Roma, La Sapienza, Rome, Italy, May 21-25, 2012: “*Spatial Econometrics I*”
- 2012 University of Chicago Urban Forum, Chicago, IL, May 19, 2012: “*Spatial Analysis for Local Area Processes*”
- NRC Mapping Sciences Committee, Washington, DC, April 19, 2012: “*Open GIS, an Academic Perspective*”
- 108th Annual Meeting of the Association of American Geographers, New York, NY, Feb. 23-28, 2012: “*Parallelizing PySAL*” (with S. Rey, R. Pahle and X. Kang), “*Spatio-Temporal Econometrics*,” “*Spatial Analysis in CyberGIS, Progress and Roadmap*,” “*Spatial Econometrics in an Age of CyberGIS*” (with S. Rey)
- Short Course, “*Introduction to Spatial Analysis with OpenGeoDa*,” Dec. 4-7, 2011, Tempe, AZ.
- Colloquium, Department of City and Regional Planning and Department of Geography, The Ohio State University, Columbus, OH, Oct 31, 2011: “*From SpaceStat to CyberGIS*”
- Colloquium, Department of Urban Studies and Planning, Massachusetts Institute of Technology, Cambridge, MA, Sept. 29, 2011: “*The Future of Spatial Analysis, Visualization and GIS in Planning*”
- 107th Annual Meeting of the Association of American Geographers, Seattle, WA, April 12-17, 2011: “*Spatial Analysis and CyberGIS*,” “*GeoDaSpace, a Tool for Modern Spatial Econometrics*” (with D. Folch and D. Arribas-Bel), “*Evaluating Usability of a Web Application for Local Spatial Autocorrelation*” (with M. Hwang), “*Andrew Isserman Memorial*” (Panel Organizer and Chair)
- Risk Prediction Workshop, Department of Homeland Security, Washington, DC, Dec. 8-9, 2010: “*Spatial Exploration, Explanation and Decision Support*”
- 57th Annual North American Meetings of the Regional Science Association International, Denver, CO, Nov. 11-13, 2010: “*Spatial Econometrics with PySAL and GeoDaSpace*” (with S. Rey)
- 3rd Annual Research Conference, Triangle Census Research Data Center (TCRDC), Research Triangle Park, NC, Oct 19-20, 2010: “*Using OpenGeoDa for Spatial Analysis*”
- 51st Annual Conference, Association of Collegiate Schools of Planning, Minneapolis, MN, October 7-10, 2010: “*Where do Planners Belong? Assessing the Relationship Between Planning and Design in American Universities*” (with J. Nasar and E. Talen)
- Colloquium, Laboratory for Urban and Regional Analysis, East China University of Science and Technology, Shanghai, China, June 25, 2010: “*Spatial Analysis of Hedonic House Price Models*”
- 106th Annual Meeting of the Association of American Geographers, Washington, DC, April 14-18, 2010: “*OpenGeoDa, An Open Source Tool for Geovisualization and Exploration*” (with M. McCann), “*PySAL, A Python Library for Spatial Analysis and Geocomputation*” (with S. Rey), “*A Tribute to Reginald Golledge*” (Panel)
- NSF Teragrid Workshop on CyberGIS, Washington, DC, Feb. 2-3, 2010: “*A Spatial Econometrics Workbench*”

- Workshop, Construction Engineering Research Laboratory, U.S. Army, Champaign, IL, Dec. 11, 2009: "*A Web-Based Electronic Atlas to Analyze Food Security in Bogota, Colombia*"
- Workshop, Research Triangle Institute International, Research Triangle Park, NC, May 12, 2009: "*New Tools for Spatial Econometrics Analysis: GeoDaSpace and GeoDaWeights*"
- Fellows Colloquium, Research Triangle Institute International, Research Triangle Park, NC, May 11, 2009: "*GeoDa and Beyond: Towards Cyberinfrastructure for Spatial Data Analysis*"
- Brown Bag Colloquium, Department of Geography, University of California, Santa Barbara, CA, May 8, 2009: "*PySAL and GeoDaSpace: New Tools for Spatial Data Analysis*"
- Methods of Analysis Program in the Social Sciences (MAPSS) Colloquium, Stanford University, Palo Alto, CA, April 16, 2008: "*OpenGeoDa, PySAL and GeoDaSpace, New Tools for the Analysis of Spatial Data*"
- 105th Annual Meeting of the Association of American Geographers, Las Vegas, NV, March 23–27, 2008: "*PySAL, a Python Library for Spatial Analytical Functions*" (with S. Rey); "*Advanced Spatial Econometrics with PySpace*" (with N. Lozano, C. Schmidt); "*Dynamic Manipulation of Spatial Weights using PySAL and Web Services*" (with S. Rey, M. Hwang); "*An Implementation of Spatial and Aspatial Linkages in PySAL*" (with S. Rey, D. Folch); "*OpenGeoDa, a Crossplatform Tool for Geovisualization and Exploration*" (with I. Syabri, M. McCann); "*Implementing Network Models in Python*" (with A. Winslow)
- StratAG Spatial Algorithms Strand Kick-off Meeting, National Center for Geocomputation, National University Ireland, Maynooth, Ireland, Jan 29–30, 2009: "*A New Algorithm for Evaluating Network Distance on Incomplete Networks*" (with A. Winslow)
- NCGIA 20th Anniversary Reunion, International Symposium on Geographic Information Science, Santa Barbara, CA, Dec. 11–12, 2008: "*Future Directions in GIScience*"
- 55th Annual North American Meetings of the Regional Science Association International, Brooklyn, NY, Nov. 20–22, 2008: "*Twenty Years of Spatial Econometrics*"
- Decision Center for a Desert City, NSF Site Visit, Tempe, AZ, Sept. 9, 2008: "*Towards Spatially Explicit Simulations*"
- Short Course, Third PREPARE Summer Institute, University of Pecs, Pecs, Hungary, July 6–15, 2008: "*Spatial Econometrics*"
- International Seminar, School of Architecture, Planning and Policy Development, Institute of Technology Bandung, Bandung, Indonesia, June 10–11, 2008: "*What is Special About Spatial, Spatial Thinking and Spatial Econometrics,*" "*Mapping and Analysis for Spatial Social Science*"
- Fellows Colloquium, Research Triangle Institute International, Research Triangle Park, NC, May 2, 2008: "*Valuing Access to Water: A Spatial Hedonic Approach, with an Application to Indian Cities*"
- Workshop, Research Triangle Institute International, Research Triangle Park, NC, May 1, 2008: "*GeoDa: An Introduction to Spatial Data Analysis*"

- 104th Annual Meeting of the Association of American Geographers, Boston, MA, April 15–19, 2008: “*GeoDa and Beyond: Towards Cyberinfrastructure for Spatial Data Analysis*” (with M. Hwang); “*An Ontology for Spatial Data Analytical Web Services*” (with M. Hwang)
- Spatial Socio-Cultural Knowledge Workshop, Royal United Services Institute, Whitehall, London, UK, March 27–28, 2008: “*Quantitative Spatial Analysis and Modeling*”
- Colloquium, Center for Advanced Spatial Analysis (CASA), University College London, London, UK, March 26, 2008: “*GeoDa and Beyond: Towards Cyberinfrastructure for Spatial Data Analysis*”
- 47th Annual Meeting, Western Regional Science Association, Hawaii, HI: “*Valuing Access to Water: A Spatial Hedonic Approach Applied to Indian Cities*” (with N. Lozano, U. Deichmann, S. Lall)
- 54th Annual North American Meetings of the Regional Science Association International, Savannah, GA, Nov. 7–10, 2007: “*Valuing Access to Water: A Spatial Hedonic Approach Applied to Indian Cities*” (with N. Lozano, U. Deichmann, S. Lall)
- Software Demonstration, Decision Theater, Arizona State University, Tempe, AZ, Sept. 18, 2007: “*Spatial Analysis Tools and GeoDa*”
- Short Course, University of Illinois, Urbana, IL, June 25–28, 2007: “*Frontiers of Spatial Regression Analysis*”
- Short Course, University of Illinois, Urbana, IL, June 19–22, 2007: “*Foundations of Spatial Regression Analysis*”
- Fellows Colloquium, Research Triangle Institute International, Research Triangle Park, NC, May 30, 2007: “*Spatial Econometrics, Retrospect and Prospect*”
- 103rd Annual Meeting of the Association of American Geographers, San Francisco, CA, April 17–20, 2007: “*Cyberinfrastructure for Spatial Analysis*”, “*Spatially Enabling Riverweb, a Web-Based Resource for Historical Exploration of the American Bottom*” (with M. Hwang, S. Appelford, V. Burton)
- Colloquium, School of Geographical Sciences, Arizona State University, Tempe, AZ, Feb. 27, 2007: “*Spatial Econometrics: Retrospect and Prospect*”
- Annual Meeting of the Allied Social Science Associations, Chicago, IL, Jan 4–6, 2007: “*Errors in Variables and Spatial Effects in Hedonic House Price Models of Ambient Air Quality*” (with N. Lozano)
- 53rd Annual North American Meetings of the Regional Science Association International, Toronto, ON, Nov. 16–18, 2006: “*Endogeneity and Spatial Effects in Hedonic House Price Models of Ambient Air Quality*” (with N. Lozano); “*P-Region Based Estimation of Disease Rates*” (with S. Rey, J. Duque and X. Li)
- Short Course, US Army Construction Engineering Research Laboratories, Champaign, IL, Sept. 25–26, 2006: “*Spatial Data Analysis of Terrorist/Criminal Data using GeoDa*”
- 2006 Joint Statistical Meetings, American Statistical Association, Seattle, WA, Aug. 6–10, 2006: “*Exploring Spatial Data with OpenGeoDa and PySAL*” (with S. Rey)
- 19th Advanced Summer School in Regional Science, GIS and Spatial Econometrics, Groningen, The Netherlands, July 4–12, 2006: “*Spatial Analysis with GeoDa*” (two-day short course)

- Fifth International Workshop on Spatial Econometrics and Statistics, Rome, Italy, May 25–27, 2006: *“Endogeneity and Spatial Effects in Hedonic House Price Models of Ambient Air Quality”* (with N. Lozano)
- Apple Executive Briefing, Apple Computer, Cupertino, CA, May 17, 2006: *“Geospatial Analysis”*
- Colloquium, Research Triangle International, Research Triangle Park, NC, May 11, 2006: *“Spatial Aspects of the Treatment of Air Quality in Hedonic House Price Models”*
- Colloquium, Research Triangle Institute International, Research Triangle Park, NC, May 10, 2006: *“Mapping and Analysis for Spatial Social Science”*
- Colloquium, Decision and Information Science Division, Argonne National Laboratory, Argonne, IL, March 9, 2006: *“GeoDa and OpenGeoDa, an Introduction”*
- 102nd Annual Meeting of the Association of American Geographers, Chicago, IL, March 8–11, 2006: *“Spatial Econometrics: Past, Present and Future”*; *“Perspectives on Spatial Analysis: The Contributions of Arthur Getis”*
- National Consortium on Violence Research, Workshop on Space, Networks and Social Influence, University of California, Irvine, CA, Feb. 10–11, 2006: *“Spatial Weights or Distance Metrics”*
- Faculty Forum, Urban Research Initiative, University of Pennsylvania, Philadelphia, PA, Feb. 1, 2006: *“Spatial Aspects of the Treatment of Air Quality in Hedonic House Price Models”*
- Center for Computing in Humanities, Arts and Social Science Conference, University of Illinois, Urbana, IL, Dec. 9, 2005: *“Mapping and Analysis for Spatial Social Science”*
- Seminar, National Center for Supercomputing Applications, Urbana, IL, Dec. 7, 2005: *“GeoDa and OpenGeoDa, an Introduction”*
- 52nd Annual North American Meetings of the Regional Science Association International, Las Vegas, NV, Nov. 10–12, 2005: *“The Valuation of Environmental Disamenities in Spatial Hedonic House Price Models: An Empirical Comparison”* (with N. Lozano), *“Clustering Components in the Python Spatial Analysis Library (PySAL)”* (with S. Rey and J. Duque).
- GeoComputation 2005, 8th International Conference on GeoComputation, Ann Arbor, MI: July 31–Aug 3, 2005: *“Exploring Spatial Data with GeoDa”* (workshop, with J. Koschinsky), *“PySAL, a Python Library for Spatial Analytical Functions”* (with S. Rey).
- Summer 2005 GeoDa Workshop, Urbana, IL: July 25–27, 2005: *“An Introduction to Spatial Data Analysis with GeoDa”* (short course).
- Environmental and Resource Economics Seminar, Development Economics Workshop, and Econometrics Seminar, Departments of Economics and Agricultural and Resource Economics, UC Davis, Davis, CA: June 6, 2005: *“Air Quality in Hedonic House Price Models: Spatial Aspects.”*
- Seminar, Development Economics Research Group, The World Bank, Washington, DC: May 18, 2005: *“Under the Hood: Issues in the Specification, Estimation and Implementation of Spatial Regression Models.”*

- 101st Annual Meeting of the Association of American Geographers, Denver, CO, April 5–9, 2005: “*PySAL, a Python Library for Spatial Analytical Functions*” (with S. Rey)
- Colloquium, Department of Urban Studies and Planning, Massachusetts Institute of Technology, Cambridge, MA, Feb. 4, 2005: “*GeoDa, an Introduction to Spatial Data Analysis*”
- Colloquium, Department of Geography, The Ohio State University, Columbus, OH, Jan. 6, 2005: “*GeoDa: Why, How and What is Next*”

SELECTED PROFESSIONAL SERVICE

- Member, Board, Commission on Modeling Geographical Systems, International Geographical Union, 2020-.
- Member, Board of Directors, Spatial Econometrics Association, 2010-.
- Member, Scientific Committee, Spatial Econometrics Association Conference, Rome, Italy, 2016.
- Member, Advisory Committee, *Urban Informatics Initiative*, Faculty of the Built Environment, University of New South Wales, Sydney, Australia, Oct. 22-24, 2014.
- Member, Program Committee, *GIScience 2014*, Vienna, Austria, Sept. 23-26, 2014.
- Member, Scientific Committee, *Spatial Econometrics Association* conference, Zurich, Switzerland, 2014.
- Member, Scientific Committee, *Spatial Econometrics Association* conference, Washington, D.C., 2013.
- Member, Program Committee, *GIScience 2012*, Columbus, OH, Sept. 18-21, 2012.
- Chair, *Site Review Committee, Advanced Geotechnologies SRC*, Science Foundation Ireland, Oct. 2010.
- Member, Program Committee, *GIScience 2010*, Zurich, Switzerland, Sept. 14-17, 2010.
- Arizona State University, Lead Delegate to the *University Consortium for Geographic Information Science* (UCGIS), 2009–2013.
- Member, Local Arrangements Committee, *104th Annual Meeting of the Association of American Geographers*, Las Vegas, NV, March 2009.
- Chair, Program Committee, *Third World Conference of the Spatial Econometric Association*, New York, NY, Nov. 18–19, 2008.
- Member, Program Committee, *GIScience 2008*, Park City, UT, Sept. 23–26, 2008.
- Member, Program Committee, *16th ACM International Symposium on Advances in Geographic Information Systems*, Los Angeles, CA, Nov. 5–7, 2008.
- Chair, *Site Review Committee, National Center for Geocomputation*, Science Foundation Ireland, Oct. 9, 2007.
- Member, Academic Committee, *State Key Lab of Resources and Environmental Information System* (LREIS), Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences, 2007–
- Member, Program Committee, *15th ACM International Symposium on Advances in Geographic Information Systems*, Seattle, WA, Nov. 7–9, 2007.
- Chair, *William Alonso Memorial Prize Committee*, Regional Science Association International, 2010–; Treasurer 2006–2009.

- Chair, *Fellows Election Committee*, Regional Science Association International, 2006–07.
- Member, *Site Review Committee*, National Center for Geocomputation, Science Foundation Ireland, Oct. 25–26, 2006.
- Member, Program Committee, *GIScience 2006*, Munster, Germany, Sept. 20–23, 2006.
- Founding Member and Secretary, *Spatial Econometric Society*, 2006–2010.
- Member, Scientific Committee, *Fifth International Workshop on Spatial Econometrics and Statistics*, Rome, Italy, May 25–27, 2006.
- Secretary, *2005 Fellows Election Committee*, Regional Science Association International.
- Member, Program Committee, *GeoComputation 2005*, Ann Arbor, MI August 1–3, 2005.
- Member, University Consortium for Geographic Information Science Model Curricula *Advisory Board*, 2005.
- Member, *Executive Committee*, Center for Spatially Integrated Social Science (CSISS), 1999–2005
- Member, *Advisory Committee*, A Model GIS/Atlas for State Comprehensive Cancer Control, Pennsylvania State University Hershey Medical Center, Hershey, PA, 2003–2006.
- Member, *National Science Foundation Advisory Panel*, Methodology, Measurement and Statistics Program, 2003–04.
- Co-Organizer, *CSISS Specialist Meeting on New Tools for Spatial Data Analysis*, Santa Barbara, CA, May 10–11, 2002.
- Organizer, *Advanced Workshop on Spatial Analysis in Social Research*, ICPSR, Ann Arbor, MI, May 17–20, 2001.
- Chair, Steering Committee, *CSISS Specialist Meeting on Spatial Externalities*, Santa Barbara, CA, Jan. 11–13, 2001.
- Member, *National Consortium on Violence Research*, 1998–2008.
- Member, *International Advisory Board on ESRI* (Environmental Research Institute, Inc.) *GIScience Curriculum*, 1998–2000.
- Co-Chair, Steering Committee, *Workshop on Status and Trends in Spatial Analysis, Project Varenus*, Santa Barbara, CA, Dec. 10–12, 1998.
- University of Texas at Dallas, Lead Delegate to the *University Consortium for Geographic Information Science* (UCGIS), 1998–99.
- Member, *National Science Foundation Advisory Panel*, Geography and Regional Science Program, 1996–98.
- West Virginia University Voting Delegate to the *University Consortium for Geographic Information Science* (UCGIS), 1996–98.
- Councillor, *Regional Science Association International*, RSAI (1990–92), and *North American Regional Science Council*, NARSC, 1990–92.
- Member, Board of Directors, *Mathematical Models and Quantitative Methods Specialty Group*, Association of American Geographers, 1989–90; 1993–94.
- Co-Chair Program Committee, and Chair, Local Organizing Committee, 36th North American Meetings of the *Regional Science Association*, Santa Barbara, CA, 1989.
- Member, Program Committee, *88th Annual Meeting of the Association of American Geographers*, San Diego, Ca, 1992.

- Organizer, Conference on Exploratory Spatial Data Analysis and GIS, NCGIA Santa Barbara, Feb. 1993.
- Member, Selection Committee, Regional Science Association Dissertation Award, 1987.

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- *Section 64* (Human Environmental Sciences): Section Chair, 2013-16, Evaluation Committee Chair (2009-11, 2016-18).
- *Class VI* (Applied Biological, Agricultural and Environmental Sciences): Class Membership Committee (CMC), at large member 2012, 2013, 2017.
- Member, *Mapping Sciences Committee*, National Research Council, 2009–2014.
- Member, *Geographical Sciences Committee*, National Research Council, 2007–2009.
- Member, ad hoc Committee on *Future U.S. Workforce for Geospatial Intelligence*, National Research Council, 2011-13.
- Member, Steering Committee, *NRC National Geospatial Information Agency Research Directions Workshop*, 2010.