

ACADEMIC ADDRESS:

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EDUCATION:

1989 Ph.D., Geography, The University of Western Ontario, London, Canada
1985 M.A., Geography, Syracuse University, Syracuse, New York, USA
1981 B.Sc., Geography, National Taiwan University, Taipei, Taiwan, ROC

PROFESSIONAL POSITIONS:

2015- Visiting Professor, College of Environment and Planning, Henan University, Kaifeng, Henan, China
2014- Visiting Researcher, Shenzhen Institutes of Advanced Technology, Chinese Academic of Sciences, Shenzhen, Guangdong, China
2014 Visiting Scholar, College of Environment and Planning, Henan University, Henan, China
2012 Visiting Professor, Department of Geography, National Taiwan University, Taiwan
2004- Professor of Geography, Kent State University
2003-09 Chair, Department of Geography, Kent State University
1996-04 Associate Professor of Geography, Kent State University
1995 Adjunct Faculty, College of Urban Affairs, Cleveland State University
1991-96 Assistant Professor of Geography, Kent State University
1990-91 Adjunct Assistant Professor of Computer Sciences, the University of Georgia
1989-91 Assistant Professor of Geography, the University of Georgia

PROFESSIONAL EXPERIENCES:

2015- Editor-in-Chief, International journal of *Papers in Applied Geography*, Taylor & Francis, Inc.
2014- Member, Editorial Board, *Chinese Geographical Science*, by the Chinese Academy of Sciences (CAS) and Northeast Institute of Geography and Agroecology.
2014-17 Member, Advisory Committee for Academic Assessment, Kent State University
2014-16 Member, Editorial Board, Kent State University Press
2012-16 Member, Professional Standards Committee, Kent State University
2009- Member, Board of Directors, Applied Geography Specialty Group, Association of American Geographers
2008- Associate Editor, *International Journal of Applied Geospatial Research*
2008- Member, Editorial Board, International journal of *Applied Geography*
2008- Executive Director, Annual Applied Geography Conferences
2007-08 Member, International Affairs Advisory Council, Kent State University
2007 Director, Kent State University China Initiative, Kent State University

- 2006-08 Designated Representative, International Affairs for the KSU College of Arts and Sciences
- 2005-07 Member, University Council on Technology, Kent State University
- 2005 Member, Review Committee, Ph.D. Program, KSU College of Business Administration
- 2004-05 Member, Faculty Professional Development Center Council, Kent State University
- 2004 Member, Geographic Profiling Roundtable, National Institute of Justice
- 2003-08 Member, Board of Directors, Applied Geography Conferences
- 2000-01 Chair, University Research Council, Kent State University
- 1999-00 Vice Chair, University Research Council, Kent State University
- 1997-00 Member, University Research Council, Kent State University (1998-2001)
- 1997-03 Member, Executive Committee, Water Resources Research Institute, Kent State University
- 1997 Panelist, Review Panel, U.S. Department of Housing and Urban Development's (HUD) Office of Policy Development and Research (PD&R)
- 1997 Regional Councilor, National Geography Honor Society
- 1997 Member, the Standards for Geographic Data Committee, Association of American Geographers (1997-2000)
- 1997-98 Member, Board of Directors, Applied Geography Conferences
- 1996-99 Associate Editor, *Applied Geographic Studies*
- 1995-97 Member, Steering Committee, Ohio Geographic Alliance
- 1994- Member, Waster Resource Research Institute, Kent State University
- 1994-99 Editor, Software Review, *Journal of Urban and Regional Information Systems and Analysis*, 1994-present.
- 1993-96 Member, Editorial Board, *The Geographic Bulletin*,

PUBLICATIONS

(R-referred or peer-reviewed journal articles, r-reviewed proceedings articles, I-invited publications)

Books:

- 2015 Lee, J. (ed.) Applied Geography – Applied Geography Conference Special Issue. *Applied Geography*, Volume 56.
- 2013 Lee, J. and D. L. Cerney (eds.) *Papers in Applied Geography*, Volume 36. Ann Arbor, MI: Sheridan Books. 524pp.
- 2012 Lee, J. and D. L. Cerney (eds.) *Papers of the Applied Geography Conferences*, Volume 35. Ann Arbor, MI: Sheridan Books. 521pp.
- 2011 Lee, J. (ed.) 2011. *Papers of the Applied Geography Conferences*, Volume 34. Ann Arbor, MI: Sheridan Books. 309p.
- 2011 Lee, J. (ed.) 2011. *International Journal of Applied Geospatial Research*, Volume 2, No.3. 97pp.
- 2010 Lee, J. (ed.) 2010. *Papers of the Applied Geography Conference*, Volume 33. Ann Arbor, MI: Sheridan Books. 413p.

- 2010 Lee, J. (ed.) 2010. *International Journal of Applied Geospatial Research, Volume 1*, No. 2. 112pp.
- 2005 Wong, D. and J. Lee, 2005. *Statistical Analysis with ArcView GIS and ArcGIS*, New York: John Wiley & Sons, Inc. 441pp. Hoboken, NJ: Wiley & Sons.
- 2002 Lee, J. and A. Zeller, 2002. *Urban Sprawl in Northeast Ohio: A Handbook for Educators and Their Students in Grades 4-8*. Cleveland, OH: Earth Day Coalition. 77pp.
- 2001 Lee, J. and D. Wong, 2001. *Statistical Analysis with ArcView GIS*. New York: John Wiley & Sons, Inc. 208pp.

Book Chapters:

- 2013 R Lee, J. and R. E. Wilson. "Geospatial Modeling and Simulation of Property Crime in Urban Neighborhoods: An Example Model with Foreclosure." In M. Leitner (ed.), *Crime Modeling and Mapping Using Geospatial Technologies*: 249-268.
- 2009 I Lee, J. and A. F. Schoolmaster, 2009. "The Applied Geography Geospatial Research Interface." *International Journal of Applied Geospatial Research*, 1(2).
- 2009 IR Lee, J. 2009. Statistics, Descriptive. In Kitchin, R. and Thrift, N. (eds.) *International Encyclopedia of Human Geography, Volume 10*: 422-428. Oxford: Elsevier.
- 2006 R Helsel, J., H. J. Kim, and J. Lee, 2006. "An evolutionary model of US manufacturing and services industries," in J. Gatrell and N. Reid (eds.) *Enterprising Worlds: A Geographic Perspective on Economic, Environments and Ethics*, pp. 83-98. Dordrecht: Springer Verlag.
- 2003 IR Lee, J., 2003. Geographic patterns of urban residential development. In B. Boots, A. Okabe, and R. Thomas (eds.) *Modeling Geographic Systems: Statistical and Computational Applications*, pp. 13-31. Dordrecht, Netherlands: Kluwer Academic Publishers. (Leading article)

Research Papers:

- 2015 R Lee, J. and D. Sui. 2015. From Applying Geography to Applied Geography. *Papers in Applied Geography* 1(1): 1-7. <http://dx.doi.org/10.1080/23754931.2015.1009282>.
- 2015 R Lee, J. 2015. Everyday Work: A Survey of the 2014 Applied Geography Conference. *Applied Geography, Volume 60*: 195-196. <http://dx.doi.org/10.1016/j.apgeog.2014.12.006>.
- 2015 R Wu, L., X. Liu, X. Ye, M. Leipnik, J. Lee, and X. Zhu. 2015. Permeability, Space Syntax, and the Patterning of Residential Burglaries in Urban China. *Applied Geography, Volume 60*: 261-265. <http://dx.doi.org/10.1016/j.apgeog.2014.12.001>.
- 2015 R Ye, X., X. Xu, J. Lee, X. Zhu, and L. Wu. 2015. Space-Time Interaction of Residential Burglaries in Wuhan, China. *Applied Geography, Volume 60*: 210-216.

<http://dx.doi.org/10.1016/j.apgeog.2014.11.022>.

- 2014 R Wan, L., X. Ye, J. Lee, X. Lu, L. Zheng, and K. Wu. 2015. Effects of Urbanization on Ecosystem Service Values in a Mineral Resource-Based City. *Habitat International*, 46: 54-63. DOI: 10.1016/j.habitatint.2014.10.020.
- 2014 R Lee, J., M. Alnasrallah, D. Wong, H. Beaird, and E. Logue. 2014. Impacts of geographic scales on the geospatial analysis of health data: An example of obesity prevalence. *ISPRS International Journal of Geo-Information* 3, 1198-1210. (Special issue: Remote Sensing and Geospatial Technologies in Public Health. DOI: 10.3390/ijgi3041198.
- 2014 R Yue, W., X. Ye, J. Xu, L. Xu, and J. Lee. 2014. 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. <http://dx.doi.org/10.1016/j.landurbplan.2014.04.010>.
- 2014 R Lee, J., J.-G. Lay, W. C. Benny Chin, Y.-L. Chi, and Y.-H. Hsueh. 2014. An experiment to model spatial diffusion processes with nearest neighbor analysis and regression curve estimation. *International Journal of Applied Geospatial Research*, 5 (1): 1-19. DOI: 10.4018/ijagr.2014010101.
- 2013 R Cromley, G., M. Al Nasrallah, J. Lee, and H. Beaird. 2013. Area Health Disparities Based on Death Certificates: A Case Study of Census Tracts in Summit County, Ohio. *Papers in Applied Geography*, 36: 441-450.
- 2013 R Lee, J., M. Al Nasrallah, E. Logue, and H. Beaird. 2013. Area Disparities of Obesity, Non-Fresh Food Outlets and Fitness Centers. *Papers in Applied Geography*, 36: 385-495.
- 2012 R Hsueh, Y., J. Lee, and L. Beltz. 2012. "Spatio-Temporal Patterns of Dengue Fever Cases in Kaoshiung City, Taiwan, 2003-2008". *International Journal of Applied Geography*, 34 (2): 587-594. DOI: 10.1016/j.apgeog.2012.03.003.
- 2011 r Algharib, S. and J. Lee. 2011. "Distance and Coverage: An Assessment of Location-Allocation Models for Fire Stations in Kuwait City, Kuwait." *Papers of the Applied Geography Conferences*, 34: 29-38.
- 2011 r Joseph, L. and J. Lee. 2011. "A Spatio-Temporal Analysis of Retail Contagion." *Papers of the Applied Geography Conferences*, 34: 138-146.
- 2010 R Lee, J. 2010. "Geospatial Modeling and Simulating Urban Property Crime." *Crime Mapping: A Journal of Research and Practice*, 2: 64-77.
- 2010 R Rock, A. E., A. N. Mullett, S. Algharib, J. Schaffer, and J. Lee. 2010. "Impact of Spatial Filtering on the Least Cost Path Model: Selecting a High-Speed Rail Route for Ohio's 3-C Corridor". *International Journal of Applied Geospatial Research*, 1(4): 32-44.
- 2009 r Mullett, A. N., A. E. Rock, S. Algharib, J. Shaffer, and J. Lee. 2009. "Determining A Least Cost Route for High Speed Rail in Ohio's 3C Corridor." *Papers of the Applied*

Geography Conferences, 32: 67-75.

- 2003 r Lee, J. 2003 "An Interactive Urban Growth Simulator for Environmental Impact Assessment, *Papers of the Applied Geography Conferences*, 26: 249-255.
- 2003 R Yu, Chaoqing, J. Lee and M. Munro-Stasiuk, 2003. "Extensions to least-cost path algorithms for roadway planning." *International Journal of Geographic Information Science*, 17(4): 361-376.
- 2002 IR Lee, J., T. M. Brody, R. Zhang, H. Kim, and M. Bradac, 2002. "Simulating urban growth on the web," *GeoSpatial Solutions*, 12(11): 42-45.
- 2002 R Jenerette, G. Darrel, J. Lee, David W. Waller, and Robert E. Carlson, 2002. "Multivariate analysis of the ecoregion delineation for aquatic systems," *Environmental Management*, 29(1): 67-75.
- 2001 R Kelly, Rosmarie and J. Lee, 2001. "Data site review: American FactFinder by the U.S. Bureau of Census," *Journal of Urban and Regional Information Systems*, 13(2): 45-47..
- 1999 R Thapar, N., D. Wong, and J. Lee, 1999. "The changing geography of population centroids in the United States between 1970 and 1990." *Geographical Bulletin*, 41(1): 45-56.
- 1998 R Lee, J., L. Erickson, T. Kulikowski and L. Tian, 1998. "Managing urban sprawl with geographic information systems." *Environment and Planning B, Volume 25*: 865-879.
- 1998 R Lee, J. and D. Stucky. "On applying viewshed analysis for determining the least-cost paths on digital elevation models." *International Journal of Geographic Information Systems*, 12(8): 891-905.
- 1998 R Carlson, R., D. Waller, and J. Lee. "The 1997 Great American Secchi Dip-In," *Lake Line*, 18(2): 36-40.
- 1998 r Jenerette, G. D., J. Lee, D. Waller, and R. E. Carlson. "The effect of spatial dimensions on regionalization of lake water quality data," in T. Poiker and N. Chrisman (eds.), *Spatial Data Handling 98*: 256-266.
- 1995 Ir Carlson, R., J. Lee, and D. Waller. "The 1995 and 1996 Great American Secchi Dip-In: A Report to the volunteers," *Lake Line*, 17(2), 4p.
- 1997 r Lee, J., R. Carlson and M. Binkley. "The great American Secchi Dip-In: GIS contributes to national snapshot of lake-water transparency," *GIS World*, 10(8): 42-44.
- 1997 Ir Carlson, R. E., d. Waller, and J. Lee. "The 1995 and 1996 Great American Secchi Dip-In: A report to the volunteers," *LakeLine*, 17. (Four page insert).
- 1996 R Lee, J. " Computerized information system for county-based probation programs," *Computers, Environment and Urban Systems*, 19 (5/6): 409-417.

- 1996 R Lee, J. "Managing probation programs with geographic information systems," *Geo Info Systems.*, May 1996: 44, 46-49.
- 1996 r Lee, J. and C.-J. Chu. "Spatial structures of digital terrain models and hydrological feature extraction," *HydroGIS'96: Application of Geographic Information Systems in Hydrology and Water Resources Management*. IAHS Publication No. 235: 201-206.
- 1995 RI Lee, J. "Geographical Tools: The Geographic Calculator 3.0, The Geographic View 1.0, The Geographic Transformer 2.0, and The Geographic Tracker 1.0," *Journal of Urban and Regional Information Systems and Analysis*, 7(2): 86-90.
- 1995 r Boros, A. and J. Lee. "Point pattern analysis of offender residences in Cuyahoga County, Ohio," in M. Salling (ed), *URISA Proceedings*, San Antonio, TX: 56-65.
- 1994 r Lee, J. and L. K. Marion. "Between grid digital elevation models and triangulated irregular networks," in J. W. Fraizer, B. J. Epstein, F. A. Schoolmaster, and K. Jones, (eds.), *Papers of the Applied Geography Conferences*, 17: 112-124.
- 1994 R Lee, J., L. Chen, and S. Shaw. "A method for exploratory analysis of airline networks," *The Professional Geographers*, 46(4): 468-477.
- 1993 R Lee, J. "Digital analyses of viewshed inclusion and topographic characteristics," *Photogrammetric Engineering and Remote Sensing*, 60(4): 451-456.
- 1993 R Lee, J. and W. A. Kretschmar, Jr. "Spatial analysis of linguistic data with GIS functions," *International Journal of Geographical Information Systems*, 7(6): 541-560.
- 1993 r Lee, J., A. Boros and S.-L. Shaw. "Analysis of network structure for U.S. domestic airline networks," in J. W. Fraizer and B. J. Epstein (eds.), *Papers of the Applied Geography Conferences*, 16: 136-143.
- 1993 IR Lee, J. "Geographical information systems: an introduction," *Art Reference Quarterly*, 1(3): 69-79.
- 1993 IR Lee, J. "IDRISI 4.0 Review," *Photogrammetric Engineering and Remote Sensing*, 59(6): 949-952.
- 1993 I Lee, J. and M. Welsh. "Census data and digital mapping," *Connect*, 5(3): 24-26.
- 1992 r Lee, J. "Spatial decision support systems for retail site selection." In J. W. Fraizer, B. J. Epstein (eds.), *Papers of the Applied Geography Conferences*, 15: 68-74.
- 1992 r Lee, J. "Visibility dominance and topographic features on digital elevation models," *Fifth International Symposium On Spatial Data Handling*, 2: 622-631.
- 1992 R Lee, J., P. K. Snyder, P. F. Fisher. "Modeling the effect of data errors on feature extraction from digital elevation models," *Photogrammetric Engineering and Remote Sensing*, 58(10): 1461-1467.
- 1991 R Lee, J. "Analysis of visibility sites on topographic surfaces," *International Journal of*

Geographical Information Systems, 5(4): 413-429.

- 1991 R Lee, J. "A comparison of the existing methods for building TIN models of terrain," *International Journal of Geographical Information Systems*, 5(3): 267-285.
- 1991 R Lee, J. "Dynamic delivery of urban services with geographic information systems," *Journal of Urban and Regional Information Systems and Analysis*, 3(2): 3-11.
- 1989 R Goodchild, M. F. and J. Lee. "The coverage problems and visibility regions on topographic surfaces," *Annals of Operations Research*, 18: 175-86.
- 1988 IR Lee, J. "TRANPLAN Review," *Professional Geographer*, 40(1): 114-5.

Proceedings Publications:

- 2010 Lee, J. and Yu, Chaoqing. "Development of Urban Crime Simulator." *COM.Geo 2010*. Washington, DC. June 21-23.
- 2003 Bradac, M., H. Kim, and J. Lee. "An Internet-based Urban Growth Simulator: Its implementation and application," *Proceedings of the 2003 ESRI Annual User Conference*. July 6, 2003. 14pp.
- 2003 r Lee, J. "Urban Planning and Management with an Internet-Based Urban Growth Simulator", *Proceedings of CUPUM 2003*, Sendai, Japan, May 29, 2003.
- 2000 Lee, J. "Assessing and managing the impacts of urban sprawl on environmentally critical areas: A case study of Portage County, Ohio." *EPA Environmental Problem Solving with Geographic Information Systems: A National Conference*. Cincinnati, Ohio, September 22-24, 1999.
- 2000 Lee, J. and D. Wong, "Modeling spatial patterns of residential development." *2000 ESRI User Conference*, Online Proceedings at: <http://www.esri.com/library/userconf/proc00/professional/papers/PAP392/p392.htm>.
- 1997 Lee, J. "Managing urban sprawl with GIS." *Proceedings of GIS/LIS'97*. CD-ROM Publication. 1997.
- 1997 Lee, J. "Managing urban sprawl with geographic information systems." *GIS AM/FM Asia'97 & Geoinformatics'97*, 1: 263-270. Taipei, Taiwan. 1997.
- 1996 Carlson, R. E. and J. Lee. "The Great American Secchi Dip-In, 1994, pp. 95-98. In S. Colvin (ed) *Proceedings of Five Regional Citizen Education Workshops on Lake Management 1994-1995*. North American Lake Management Society. 1996.
- 1996 Lee, J. "Accuracy issues of digital elevation models," *ESRI User Conference*. Palm Beach, California, May, 1996 (Publication in CD-ROM) and Internet: <http://www.esri.com/library/userconf/proc96/TO150/PAP145/P145.HTM>.
- 1995 Lee, J. "Spatial structures of digital terrain models and hydrological feature extraction." International Conference on Application of Geographic

Information Systems in Hydrology and Water Resources Management (HydroGIS'96): 201-206. 1995.

- 1995 Lee, J. "Point pattern analysis with density estimation for frequency data," *Proceedings, International Conference of GIS/LIS'95., Volume 2: 598-607, 1995.*
- 1995 Lee, J. "Dynamic representations and analysis of probabilistic boundaries based on density estimation from point-based frequency data," *Proceedings, the 17th International Cartographic Conference, Volume 2: 1640-1644.* Barcelona, Spain. 1995.
- 1994 Lee, J. and L. K. Marion, "Analysis of spatial autocorrelation of USGS 1:250,000 DEMs," *Proceedings, International Conference of GIS/LIS'94: 503-512.* 1994.
- 1994 Boros, A. and J. Lee, "Applying geographic information system to monitor probationers in an urban environment," *Proceedings, International Conference of GIS/LIS'94: 86-95.* 1994.
- 1992 Lee, J. and C. H. Chen, "Fractal encoded data bases for simulating terrain surfaces with triangulated irregular networks," *Proceedings, International Conference of GIS/LIS'92, 1: 426-435.* 1992.
- 1991 Lee, J. and J. C. Thill, "Short-listing methods for retail site selection with GIS," *Proceedings, International Conference of GIS/LIS'91, 2: 972-981.* 1991.
- 1991 Lee, J., and P. K. Snyder, "Modeling spatial patterns of digital elevation errors for drainage network analysis," *Proceedings, International Conference of GIS/LIS'91, 1: 71-79.* 1991.
- 1991 Lee, J., "Assessing the existing methods for TIN-extraction," *Cartography and GIS/LIS, 2: 194-203.* 1991.
- 1990 Lee, J., "Evaluation of the state-funded vehicle routing systems," Georgia Governor's Office of Energy Resources Report 44-29/44-9, State of Georgia, July 1990. 1990.
- 1990 Lee, J., "A data model for dynamic vehicle routing," *Proceedings, International Conference of GIS/LIS'90, 1: 134-143.* 1990.

EDITORSHIPS

- 2015 Lee, J., *Applied Geography – Applied Geography Conferences Special Issue. Applied Geography, Volume 56.*
- 2015 - Lee, J. (Editor-in-Chief). *Papers in Applied Geography.* Taylor & Francis.
- 2013 Lee, J. and D. L. Cerney (eds.) *Papers in Applied Geography, Volume 37.* 516 pages.

- 2012 Lee, J. and D. L. Cerney (eds.) *Papers of the Applied Geography Conferences, Volume 36*. 521 pages.
- 2011 Lee, J. and D. L. Cerney (eds.) *Papers of the Applied Geography Conferences, Volume 35*. 521 pages.
- 2011 Lee, J. (ed.) *Papers of the Applied Geography Conferences, Volume 34*. 309 pages.
- 2010 Lee, J. (ed.) *Papers of the Applied Geography Conferences, Volume 33*. 413 pages.
- 2009 Lee, J. and A. F. Schoolmaster (guest editors), Special Issue from the 31st Applied Geography Conference. *International Journal of Geospatial Research, Volume 1, No. 2*.
- 1996-99 Lee, J. (associate editor). *Applied Geographic Studies*. Volume 1 (no. 1 to 4), Volume 2 (no. 1 to 4).

CONFERENCE PAPERS AND ABSTRACTS READ

- 2015
- 2015
- 2015 Alnasralla, M. and **J. Lee**. "Geographic Disparities of Prevalence of Obesity as a Public Health Issue in Summit County, Ohio. The 2015 Annual Meeting of the Association of American Geographers. Chicago, IL. April 24, 2015.
- 2015 Zhao, H., **J. Lee** and X. Ye. "Spatio-Temporal Trends of Religious Institutions in Zhejiang Province, China". The 2015 Annual Meeting of the Association of American Geographers. Chicago, IL. April 23, 2015.
- 2015 Li, S.W., X. Ye, and **J. Lee**. "Use of Social Media for Real-Time Detection and Reporting of Infectious Disease." The 2015 Annual Meeting of the Association of American Geographers. Chicago, IL. April 22, 2015.
- 2015 **Lee, J.** and X. Ye. "Distance Is Alive and Well and Geography Is Still Very Relevant, Even in the World of Social Media." The 2015 Annual Meeting of the Association of American Geographers. Chicago, IL. April 22, 2015.
- 2015 Ye, X., S. Li, X. Ye, **J. Lee**, and X. Yang. Use of Social Media for Real-Time Detection and Reporting of Infectious Disease in China. The 1st International Workshop on Spatiotemporal Computing (IWSC'2015). George Mason University, Fairfax, Virginia.
- 2014 Beaird, H., **J. Lee**, and E. Logue. "Geography of Obesity: Scales and Analytics." 142nd APHA Annual Meeting and Exposition. American Public Health Association. November 15-19, 2014. New Orleans, LA. (Poster)

<https://apha.confex.com/apha/142am/webprogram/Paper309726.html>

- 2014 Ye, X., L. Wu, X. Xu, and **J. Lee**. "Comparative Space-Time Analysis of Crime in Wuhan, China". Race, Ethnicity, and Place Conference VII. October 24, 2014. Fort Worth, Texas.
- 2014 **Lee, J.**, M. Alnasrallah, and X. Ye. "SpatioTemporal Trends of Cervical and Ovarian Cancers in Summit County, Ohio by Racial Groups". Race, Ethnicity, and Place Conference VII. October 23, 2014. Fort Worth, Texas.
- 2014 Beaird, H., J. Lee, and E. Logue. "Geography of Obesity: Scales and Analytics." APHA 142nd Annual Meeting and Expo. November 15-19, 2014. New Orleans, LA. <https://apha.confex.com/apha/142am/webprogram/Paper309726.html>
- 2014 Ye, X., **J. Lee**, X. Li, H. Zhao, and W. Yi. "Geography of Social Media: A Look at the Geographic and Temporal Trends of the April 2nd Shooting Incident at Kent State University". The 37th Applied Geography Conference. October 17, 2014. Atlanta, Georgia.
- 2013 Cromley, G., M. Al Nasrallah, **J. Lee**, and H. Beaird. 2013. "Area Health Disparities Based on Death Certificates: A Case Study of Census Tracts in Summit County, Ohio". The 36th Applied Geography Conference, Annapolis, Maryland. October 30, 2013.
- 2013 **Lee, J.**, M. Al Nasrallah, E. Logue, and H. Beaird. 2013. "Area Disparities of Obesity, Non-Fresh Food Outlets and Fitness Centers". The 36th Applied Geography Conference, Annapolis, Maryland, October 31, 2013.
- 2013 **J. Lee** (as a panelist) in session entitled "Business Geography in the Classroom." 4/10/2013, San Gabriel C, Westin, Annual Meeting of the Association of American Geographers. Los Angeles, CA. April 2013.
- 2013 **J. Lee**, "Towards Detecting Spatial Diffusion Processes of Disease Data." In Session, entitled "GIScience Analyses Applied to Health Research." Annual Meeting of the Association of American Geographers. Los Angeles, CA. April 12, 2013. Santa Monica B, Westin.
- 2012 Alnasrallah, M. and J. Lee, "Food Deserts and Minority Population in Akron, Ohio." Race, Ethnicity, and Place Conference VI. San Juan, Puerto Rico, October 2012.
- 2012 **J. Lee**, "Modeling Spatial Diffusion Processes with Regression Curve Estimation." The 35th Annual Applied Geography Conference, Minneapolis, Minnesota, October 2012.
- 2012 **J. Lee**, "Modeling Spatial Diffusion of Dengue Fever." Annual Meeting of the Association of American Geographers, New York City, February 2012.

- 2012 **J. Lee** (Panelist), "Curriculum Development in Business Geography." Panel Session at the Annual Meeting of the Association of American Geographers, New York City, February 2012.
- 2012 **J. Lee** (Panelist), "From Applying Geography to Applied Geography." Panel Session at the Annual Meeting of the Association of American Geographers, New York City, February 2012.
- 2012 **J. Lee** (Panelist), "Reflections on Geographic Information Science: Panel Session in Honor of Michael Goodchild." Panel Session at the Annual Meeting of the Association of American Geographers, New York City, February 2012.
- 2011 Algharib, S. and **J. Lee**, "Distance and Coverage: An Assessment of Location-Allocation Models for Fire Stations in Kuwait City, Kuwait." The 34th Applied Geography Conference, Redlands, California, October 21, 2011.
- 2011 Joseph, L. and **J. Lee**, "A Spatio-Temporal Analysis of Retail Contagion." The 34th Applied Geography Conference, Redlands, California, October 20, 2011.
- 2010 **Lee, J.**, S. Algharib, F. Faruque, L. J. Lee, and J. Barr. Spatio-temporal Variations of Air Conditions and Asthma Hospital Visits among Ethnic Groups in Mississippi, 2003-2005. The 33rd Applied Geography Conference, Fort Worth, Texas, October 21, 2010.
- 2010 **Lee, J.** "Urban Crime Simulator: Development and Applications." National Institute of Justice Geospatial Technology Workgroup conference, Alexandria, VA, October 15, 2010.
- 2010 **Lee, J.**, Fazlay Faruque, Lin J. Lee. "Spatiotemporal and Racial Trends in Public Health Disparities in Mississippi: A Study of Air Pollution Along Racial Divides." Race, Ethnicity, and Place Conference V., Binghamton, NY. October 7. North Riverside Room, Session 407.
- 2010 **Lee, J.** and Yu, Chaoqing. "Development of Urban Crime Simulator." COM.Geo 2010. Washington, DC. June 21-23.
- 2010 **Lee, J.** "Geospatial Analysis in Urban Crime Simulator." NIJ Geospatial Technology Workgroup Conference. Portland, Oregon. April 15, 2010.
- 2010 Mullett, A. and **Lee, J.** "Estimation of Changes in Property Crime with Neighborhood Life Cycle." 2010 Annual Meeting of the Association of American Geographers, Washington, DC. April 15, (Session: Crime Modeling and Mapping).
- 2009 **Lee, J.** "Simulating Property Crime with Neighborhood Life Cycles," the 32nd Applied Geography Conference, Baton Rouge, Louisiana, October 30, 2009.
- 2009 **Lee, J.** "A Simulator for Property Crime in Urban Neighborhoods.", the 10th NIJ Crime Mapping Research Conference, New Orleans, LA, August 21, 2009.

- 2009 **Lee, J.** "Geographic Tools to Analyze Crime", as panelist, the NIJ National Conference 2009. Crystal City, Virginia, June 14, 2009.
- 2009 **Lee, J.** "A GIS-Based Simulation of Crime As Induced by Urban Growth," Annual Meeting of the Association of American Geographers, Las Vegas, NV, March 26, 2009.
- 2008 Lee, R. and **J. Lee**, "Assessing the Demands and Capacity of Nursing Homes for Baby Boomers in Cuyahoga County, Ohio," GIS Health Conference, Case Western Reserve University, Cleveland, Ohio, April 3, 2008.
- 2005 Kim, H., **J. Lee**, and C. Helsel, "An Evolutional Model for the US Manufacturing and Services Industries," Annual Meeting of the East Lake Division of the Association of American Geographers, Bowling Green, October 21-22, 2005.
- 2005 Harvey, M., **J. Lee**, and Y. Xu, "An Analysis of the Growth of Sprawl in Geauga County, Ohio: A Marketing Perspective." The 28th Applied Geography Conference, Washington, DC., November 7, 2005.
- 2005 **Lee, J.**, M. Harvey, and Y. Xu, "A Model of the Growth of Sprawl In A Closed System: Geauga County, Ohio." The 28th Applied Geography Conference, Washington, DC, November 7, 2005.
- 2005 **Lee, J.** "A GIS Application of Krokovar's Lump Urban Field Model." ESRI User Conference, San Diego, CA, July 28, 2005.
- 2005 Xu, Y., M. E. Harvey, and **J. Lee**, "Modeling Urban Sprawl As A Spatiotemporal Phenomenon." The 2005 Annual Meeting of the Association of American Geographer, Denver, CO, April 5-9, 2005.
- 2004 Harvey, M. E. and **J. Lee**, "Spatiotemporal Dimensions of Urban Growth in Geauga County, Ohio," the 27th Applied Geography Conference, St. Louis, MO, November 2004.
- 2004 Harvey, M. and **J. Lee**. "A Spatialtemporal Model for Urban Growth." The 30th Congress of the International Geographical Union, Commission of Modeling Geographic Systems. Glasgow, UK, August 16-19, 2004.
- 2004 Kim, H. J., C. Helsel, and **J. Lee**. "Spatial Dynamics of Manufacturing Activities in the United States in 1997." Annual Meeting of the Association of American Geographers, Philadelphia, PA. March 5-8, 2004.
- 2004 Carlson, R. E., D. Waller, and **J. Lee**. "Detection of temporal trends in transparency across North America using volunteer-collected 'snapshot' data." National Water Monitoring Conference (National).
- 2003 Carlson, R. E., D. Waller, and **J. Lee**. "Detection of temporal trends in transparency across North America using volunteer-collected 'snapshot' data." North American Lake management Society. (International)

- 2003 **Lee, J.** "An Interactive Urban Growth Simulator for Environmental Impact Assessment," The 26th Applied Geography Conference, Colorado Spring, Colorado, November 6, 2003.
- 2003 Bradac, M., H. Kim and **J. Lee.** "An Internet-based Urban Growth Simulator: Its implementation and application," 2003 ESRI User Conference, San Diego, July 5, 2003
- 2003 **Lee, J.** "Urban Planning and Management with an Internet-Based Urban Growth Simulator", CUPUM 2003, Sendai, Japan
- 2002 Carlson, R. E., D. Waller, and **J. Lee.** "The Great American Secchi Dip-In: Creating an International Volunteer Network." National Water Monitoring Conference (National) (Invited).
- 2002 Carlson, R. E., D. Waller, and **J. Lee.** "The Great North American Secchi Dip-In: An Introduction." National Water Monitoring Conference (National) (Invited).
- 2002 Bradac, Mark and **J. Lee.** "Automatic extraction of drainage networks from digital elevation models: An assessment of impacts by resolution." KSU Water Resources Research Institute, April 3, 2002.
- 2002 **Lee, J.** and R. Zhang. "Development of a web-based Urban Growth Simulator." Remote Sensing and Urban Sprawl III, Annual Meeting of the Association of American Geographers, Los Angeles, California, March 22, 2002.
- 2001 **Lee, J.** and R. Zhang. "Northeast Ohio EMPACT Project: Air Quality, Urban Sprawl, and Communication." KSU Water Resources Research Institute Annual Conference, April 7, 2001.
- 2001 **Lee, J.** and R. Zhang. "Internet-Based Urban Growth Simulator." Celebration of Scholarship, Kent Student Center, Kent State University, April 12, 2001.
- 2001 Wong, D. and **J. Lee.** "Statistical Analysis and ArcView GIS." Annual Meeting of the Association of American Geographers, Workshop (4 hours) given on February 28, 2001.
- 2000 **Lee, J.** and X. Hu. "Modeling spatial patterns of residential development." International Geography Union. Seoul, South Korea, August 14, 2000.
- 2000 **Lee, J.** and D. Wong. "Modeling spatial patterns of residential development." 2000 ESRI User Conference, San Diego, California. June 29, 2000.
- 1999 **Lee, J.** "Assessing and managing the impacts of urban sprawl on environmentally critical areas: A case study of Portage County, Ohio." EPA Environmental Problem Solving with Geographic Information Systems: A National Conference. Cincinnati, Ohio, September 22-24, 1999.
- 1999 **Lee, J.** and L. Tian. "Towards An Optimal Filter Size for Remotely Sensed Images." Annual Meeting of the Association of American Geographers. Honolulu, Hawaii

(Read by Dan Donaldson)

- 1998 Jenerette, G. D., **J. Lee**, D. Waller, & R. E. Carlson. "The fractal nature of the environment: testing the reality of homogeneous water quality regions". The 13th Annual Meeting of the U.S. Regional Association, International Association of Landscape Ecology, East Lansing, MI. March 18, 1998.
- 1998 Jenerete, G. D., **J. Lee**, D. Waller, and R. E. Carlson. "The fractal nature of the environment: Testing the reality of homogeneous water quality regions." The 13th Annual Meeting of the U. S. Regional Association, International Association of Landscape Ecology. East Lansing, Michigan.
- 1998 **Lee, J.** "Scaling effect on the regionalization of ecological data," International Geographical Union, Commission on Modelling Geographical Systems (IGU-CMGS), Lisbon, Portugal, August 28-29, 1998.
- 1998 **Lee, J.** and Tian, L. "Image compression in GIS," Annual Meeting of the Association of American Geographers, Boston, MA, March 26-29, 1998.
- 1997 **Lee, J.** "Managing urban sprawl with GIS," 1997 ESRI User Conference, San Diego, CA, July 29, 1997 (Abstract).
- 1997 **Lee, J.** "GIS and Urban Growth Modeling," the 17th Applied Geography Conference, Albuquerque, New Mexico, Nov. 13, 1997.
- 1997 **Lee, J.**, "Managing Urban Sprawl with GIS," GIS/LIS'97. Cincinnati, Ohio, November 1997.
- 1997 Binkley, M. and **J. Lee**. "Land cover classification of Landsat TM Images using the Normalized Difference Vegetation Index." Annual Conference of Water Resources Research Institute, Kent State University, April 17, 1997.
- 1997 Tian, Lianghu and **J. Lee**. "Land use changes in Portage County, Ohio, 1977-1995." Annual Conference of Water Resources Research Institute, Kent State University, April 17, 1997.
- 1997 **Lee, J.**, L. Erickson, and L. Tian. "Managing urban sprawl with geographic information systems." GIS AM/FM Asia'97 & Geoinfomatics'97. Taipei, Taiwan, ROC, May 26-29, 1997.
- 1997 **Lee, J.** "Managing urban sprawl with GIS." Annual Meeting of the Association of American Geographers, Fort Worth, TX. April 6, 1997.
- 1996 Carolson, R. E. and **J. Lee**. "Detecting regional trends in volunteer-collected lake transparency data." American Society of Limnology and Oceanography (Invited.)
- 1996 **Lee, J.** and Chien-Jen Chu. "Elevation accuracy and the extraction of hydrologic features in digital elevation models." Annual Meeting of the Association of American Geographers, Charlotte, NC, April 10, 1996.
- 1996 Thapar, N., **J. Lee**, and D. Wong. "The changing geography of population centroids

- in the United States, 1970-1990." Annual Meeting of the Association of American Geographers, Charlotte, NC, April 9, 1996.
- 1996 **Lee, J.** "Spatial structures of digital terrain models and hydrological feature extraction," HydroGIS'96. Vienna, Austria. April 18, 1996.
- 1996 Binkley, M., R. Carlson, and **J. Lee.** "Spatial interpolation of lake water quality data." Water Resources Research Institute Research Conference, Kent State University, April 17, 1996.
- 1996 Chu, C.-J. and **J. Lee.** "Simulation of automatically extracted hydrological features from digital elevation models." Water Resources Research Institute Research Conference, Kent State University, April 17, 1996. (Poster)
- 1995 Carlson, R. E. and **J. Lee.** "The 1994 Secchi Dip-In." 1995 KSU Celebration of Scholarship.
- 1995 Carson, R. E. and **J. Lee.** "The 1994 Secchi Dip-In." Water Resources Research Institute Spring Research Conference.
- 1995 Carlson, R. E. and **J. Lee.** "The Big Secchi Dip-In." Annual Symposium, Ohio Lake Management Society (State-Invited.)
- 1995 Carlson, R. E. and **J. Lee.** "Volunteers take 'The Great 1996 All-American Secchi Dip-In' across the United States." International Meeting of the North American Lake Management Society.
- 1995 Carlson, R. E. and **J. Lee.** "The Secchi Disk: Its holy origin, its current use (and misuse), and a look into the future." Enhancing the States' Lake Management Programs: A National Conference.
- 1995 **Lee, J.** "Point pattern analysis with density estimation for frequency data," GIS/LIS'95. Nashville, Tenn., November 16, 1995.
- 1995 **Lee, J.** "Dynamic representation and analysis of probabilistic boundaries based on density estimations from point-based frequency data." International Cartography Conference'95. Barcelona, Spain (Abstract)
- 1995 **Lee, J.** "Predictive modeling of continuous geographic phenomena in GIS: a case of predicting net sedimentation coefficient in phosphorus loading of lakes and reservoirs," 1995 Annual Meeting of the Association of American Geographers, Chicago, March 17, 1995.
- 1995 Wagnitz, R. and **J. Lee.** "Spatial consistency of elevation interpolation," 1995 Annual Meeting of the Association of American Geographers, Chicago, March 17, 1995.
- 1994 **Lee, J.** and L. K. Marion. "Analysis of spatial autocorrelation of USGS 1:250,000 DEMs," International Conference of GIS/LIS'94, Phoenix, AZ, October 23-27, 1994.
- 1994 Boros, A. and **J. Lee.** "Applying geographic information system to monitor

- probationers in an urban environment," International Conference of GIS/LIS'94, Phoenix, Arizona, October 23-27, 1994.
- 1994 **Lee, J.** and L. K. Marion. "Between grid digital elevation models and triangulated irregular networks," The 17th Annual Applied Geography Conference, Akron-Kent, Ohio, October 12-15, 1994.
- 1994 Carlson, R. E. and **J. Lee.** "The Great American Secchi Dip-In: Volunteers gather transparency information across the Midwest." International Meeting of the North American Lake Management Society.
- 1994 Carlson, R. E. and **J. Lee.** "Geographic variation in the residuals to empirical lake water quality models," Research Conference, Water Resources Research Institute, Kent State University, Student Center Room 306A, April 7, 1994.
- 1994 **Lee, J.** and L. Chen. "A dynamic exploratory X-window program for analysis of network flows," Annual Meeting of Association of American Geographers, San Francisco, California, March 29-April 2, 1994.
- 1993 **Lee, J.** and A. Boros. "The detection and processing of spatial patterns in networks," The 16th Annual Applied Geography Conference, Toronto, Canada, October 13-16, 1994.
- 1993 **Lee, J.** and S. L. Shaw. "From spatial autocorrelation to network correlation," Annual Meeting of Association of American Geographers, Atlanta, Georgia, April 6-11, 1993.
- 1992 **Lee, J.** "Fractal encoded data bases for simulating terrain surfaces with triangulated irregular networks," International Conference of GIS/LIS'92. San Jose, California, November 10-12, 1992.
- 1992 **Lee, J.** "Spatial decision support system for retail site selection," Applied Geography Conference, Denton, Texas, October 21-24, 1992.
- 1992 **Lee, J.** "Visibility dominance and topographic features on digital elevation models," Fifth International Symposium on Spatial Data Handling (International Geographic Union), Charleston, South Carolina, August 3-7, 1992.
- 1992 **Lee, J.** and Kretzschmar, W., Jr. "Linguistic studies with geographic information systems," Annual Meeting of the Association of American Geographers. San Diego, California, March 1992.
- 1992 Kretzschmar, W., Jr. and **J. Lee.** "Special computing for linguistic geography," Joint Conference of the Association of Literary and Linguistic Computing and the Association for Computers and Humanities. (ALLC/ACH), Oxford, England, April 1992.
- 1992 Kretzschmar, W., Jr. and **J. Lee.** "Quantitative methods for word geography," New Ways of Analyzing Variation in English (NWAVE) Conference, Washington, DC, March 1992.

- 1991 **Lee, J.** and J.-C. Thill. "Short-listing methods for retail site selection with GIS," International Conference of GIS/LIS'91. Atlanta, Georgia, October 27-November 1, 1991.
- 1991 **Lee, J.** and P. Snyder. "Modeling spatial patterns of digital elevation errors for drainage basin extraction," International Conference of GIS/LIS'91, Atlanta, Georgia, October 27-November 1, 1991.
- 1991 **Lee, J.** "Assessing the existing methods for TIN-extraction," ACSM/ASPRS/AUTO-CARTO 10, Annual Meeting, Baltimore, Maryland, March 25-29, 1991.
- 1990 **Lee, J.** "A data model for dynamic vehicle routing," International Conference of GIS/LIS'90, Anaheim, California, November 7-10, 1990.
- 1990 **Lee, J.** "Triangular tessellation of irregularly spaced elevation data," URISA'90/ Session 8.1, Edmonton, Alberta, Canada, August 16-21, 1990.
- 1990 **Lee, J.** "Triangulating methods for constructing TIN," Annual Meeting of the Association of American Geographers, Toronto, Canada, April 21, 1990 (Abstract).
- 1989 **Lee, J.** "A drop heuristic conversion method for extracting irregularly network for digital elevation models," International Conference of GIS/LIS'89. Orlando, Florida, November 28, 1989.
- 1989 **Lee, J.** "Coverage and visibility regions on topographic surfaces with variable heights," Annual Meeting of the Association of American Geographers, Baltimore, Maryland, March 1989.
- 1988 Goodchild, M. F. and **J. Lee.** "Algorithms for two generalized Thiessen problems," Annual Meeting of the Association of American Geographers, Phoenix, Arizona, April 1988.
- 1987 Goodchild, M. F. and **J. Lee.** "The coverage problem and visibility regions on topographic surfaces," International Symposium on Locational Decisions IV, Namur, Belgium, June 1987.

CONFERENCE SESSIONS ORGANIZED/CHAIRER/DISCUSSION

- 2014 "Health and Place III," Session 502, Race, Ethnicity, and Place Conference VII, Ft. Worth, Texas, 10/23/2014, 3:45 – 5:30 pm.
- 2012 "Health Geography II," Session 201, Race, Ethnicity, and Place Conference, VI, San Juan, Puerto Rico, 10/25/2012, 10:05-11:45 AM.
- 2012 "Rethinking Applied Geography," the 35th Annual Applied Geography Conference, Minneapolis, Minnesota, October 2012.
- 2012 "From Applying Geography to Applied Geography," the 2012 Annual Meeting of the Association of American Geographers, New York City, February 2012.

- 2012 "Modeling Spatio-Temporal Changes in Health Issues," the 2012 Annual Meeting of the Association of American Geographers, New York City, February 2012.
- 2009 "Geography of Crime," the 32nd Applied Geography Conference, Baton Rouge, LA, October 30, 2009.
- 2009 "Simulating Human Behavior for Planning," Annual Meeting of the Association of Geographers, Las Vegas, NV, March 26, 2009.
- 2007 "Environment and Anthropology," 2007 Kent State University Graduate Student Senate Colloquium, March 3rd, 2007.
- 2005 "Urban Issues III," The 28th Applied Geography Conference, Washington, DC, November 4, 2005.
- 2003 "Urban III: Growth and Impacts," The 26th Applied Geography Conference. Colorado Spring, Colorado. November 7, 2003.
- 1997 "GIS and Urban Analysis I," The 20th Applied Geography Conference. Akron, Ohio.
- 1997 "GIS and Urban Analysis II," The 20th Applied Geography Conference. Akron, Ohio.
- 1996 "GIS and Analysis," Annual Meeting of the Association of American Geographers, Charlotte, NC, April 10, 1996.
- 1995 "Site location using GIS tools," International Conference of GIS/LIS'95, Nashville, Tennessee, November 16, 1995.
- 1995 "Urban applications of GIS," The 18th Annual Applied Geography Conference, Crystal City (Arlington), Virginia, November 8, 1995.
- 1995 "GIS: spatial data and modeling," Annual Meeting of the Association of American Geographers, Chicago, Illinois, March 16, 1995.
- 1994 "Retail 7", The 17th Annual Applied Geography Conference, Conference Room B2, October 12, 1994.
- 1994 "GIS and applied geography," The 17th Annual Applied Geography Conference, Conference Room B2, October 12, 1994.
- 1994 "Terrain analysis," International Conference of GIS/LIS'94, Phoenix, Arizona, October 25, 1994.
- 1994 "Digital elevation modeling and analysis," Annual Meeting of the Association of American Geographers, San Francisco, California, March 30, 1994.
- 1993 "Geographical information analysis and simulations," The 16th Annual Applied Geography Conference, Toronto, Canada, October 14, 1993.
- 1992 "Spatial systems: method of analysis," International Conference of GIS/LIS'92, Room J1, San Jose, California, November 11, 1992.

- 1990 "GIS models and tools," International Conference of GIS/LIS'90. Palos Verdes A/B, Anaheim, California, November 9, 1990.
- 1989 "Vegetation", International Conference of GIS/LIS'89, Crystal Ballroom, A/B, Orlando, Florida, November 28, 1989.

FUNDED RESEARCH PROJECTS

- 2014 "Spatiotemporal Modeling of Human Dynamics across Social Media and Social Networks" (National Science Foundation) \$999,887. Co-PI. (with San Diego State University.)
- 2013 "Data Manipulation and Data Analysis for the Summit Disparity Model (SDM) (Summit County Public Health District)" \$12,873 (Funded \$11,200). Summit County Public Health District.
- 2011 "Summit County Population Health and Health Disparity Model (SDM)." KSU-Summa Health System Collaborative Health Research and Team Formation Awards, \$10,000.
- 2010 "Expanding Urban Crime Simulator with Spatial Regression Functions." National Institute of Justice/South Carolina Research Authority, \$15,000.
- 2010 "Land Use Survey of Geauga County, Ohio." Geauga County Planning Commission, \$1,500.
- 2010 "Exploration of the Relationships between Childhood Obesity and Built Environment." University Research Council, Kent State University, \$6,500.
- 2009 "Incorporating Transformative Learning Practice into GEOG 10160 Introduction to Geography." Kent State University Provost's Office, \$15,000. (With D Kaplan and S. Banasick).
- 2008 "Comprehensive Land Use Planning for Shalersville, Portage County, Ohio." Portage County Regional Planning Commission, \$1,500.
- 2008 "Simulation of Urban Crime". National Institute of Justice (NIJ) via South Carolina Research Authority (SCRA), \$60,000.
- 2008 "Monitoring Agricultural Solid Waste in Portage County," Cooperative State Research, Education, and Extension, Sub-contracted from Ohio Aerospace Institute and the University of Toledo, \$25,000 (with Mandy Munro-Stasiuk and Scott Sheridan).
- 2007 Society of Women Geographers, Evelyn L. Pruitt National Minority Fellowship, \$1,000 (with Dorris Scott).
- 2007 "2007 Great North American Secchi Dip-In," \$8,000, North American Lake Management Society (with Robert Carlson).

- 2006 "Monitoring Agricultural Sewage Sludges in Portage County," Cooperative State Research, Education, and Extension, Sub-contract, Ohio Aerospace Institute and University of Toledo, \$25,000 (with Mandy Munro-Stasiuk and Scott Sheridan).
- 2005 Breakneck Creek GIS Database, \$5110.00, Portage Park District.
- 2005 "The Changing Geography of the US Manufacturing, 1990-2000", Kent State University Research Council, \$3,072.
- 2004 "2004 Great American Secchi Dip-In." US Environmental Protection Agency, \$5,000 (with Robert Carlson)
- 2004 "Upper Grand River Watershed Management Plan." Ohio EPA, \$50,000 (with Robert Carlson, Ferenc De Szalay, Adam Leff, and Mandy Munro-Stasiuk)
- 2003 "Statistical and qualitative analysis of land use survey for West Geauga School Board, Chester Township, and Russell Township in Geauga County, Ohio," \$2,920. (with Shawn Banasick and James Tyner)
- 2003 "Using Crime Mapping for Violence Prevention," Research Challenge Grant, \$65,355 (with Mark Davis and Eric Jefferis at KSU)
- 2002 "2002 American Secchi Dip-In," North American Lake Management Society/Environmental Protection Agency, \$5,000 (with Robert Carlson and David Waller of Biology at KSU).
- 2002 "Terrain analysis in North-East Ohio," National Aeronautic and Space Administration and Ohio Aerospace Institute, \$95,000 (with Mandy Munro-Stasiuk and Robert Carlson).
- 2002 "Grand River watershed management plan," Trumbull County Health Department and Grand River Partners Incorporated, \$51,065 (with Robert Carlson, Ferenc DeSzalay, Adam Leff, and Mandy Munro-Stasiuk).
- 2002 "Simulation of residential build-out to improve watershed management." Geauga County Planning Commission/US EPA, \$40,000.
- 2001 "Land use changes and plan for future with GIS database in Suffield Township, Portage County, Ohio." Portage County Regional Planning Commission. \$1,600.
- 2001 "Sustaining the EMPACT project for Northeast Ohio." US EPA Region V, \$5,000.
- 2001 "Statewide monitoring program for environmental analysis using LandSat Data – Phase II." \$23,006. US Geological Survey (with Mandy Munro-Stasiuk)
- 2001 "Landscape parameterization and classification, and K-12 outreach in Northeast Ohio." NASA. \$53,435 (with Mandy Munro-Stasiuk)
- 2001 "Satellite data integration and image visualization for land cover analysis in Ohio." U.S. Geologic Survey. \$31,988. (With Mandy Munro-Stasiuk)

- 2001 "Interfacing Web-based GIS System for Land Use Simulations and Nonpoint Sources Storm Water Pollution Evaluation System." US Environmental Protection Agency, \$46,000.
- 2000 "Enhanced proposal competitiveness through imaging and visualization infrastructure." Ohio Board of Regents, \$100,000 (with Dan Bennet, Paul Farrell, Jay Lee, Ute Dymon, Robert Heath, James Blank, Douglas Kline, Stephen Cabaniss, Rachael Craig, and Michael Lee).
- 2000 "Build-out Scenarios of Future Land Use in Geauga County." Chagrin River Land Conservancy, \$8,500.
- 2000 "Landscape characterization and parameterization with remotely sensed data". NASA, \$105,000 (with Mandy Munro-Stasiuk)
- 1999 "GIS and mapping for farmland preservation task force in Portage County, Ohio." Portage County Regional Planning Commission, \$480.
- 1999 "Developing a statewide monitoring program for environmental analysis using LandSat Data – Phase I." US Geologic Survey, \$17,040. (with Mandy Munro-Stasiuk, subcontracted from Ohio University).
- 1999 "An Internet- and GIS-based Tool for Local Community Partners to Educate, Simulate, and Manage Urban Sprawl in the 15-County Region of Northeast Ohio." US Environmental Protection Agency, \$52,000.
- 1999 "The Great American Secchi DipIn (Sixth year)," North American Lake Management Society/Environmental Protection Agency, \$40,000 (with Robert Carlson and David Waller of Biology at KSU).
- 1998 "Gauga County Land Use Plan and Growth Management Survey," Gauga County Planning Commission, \$1,500 (with Robert Rohli).
- 1998 "Regional Retail Market Analysis," Portage County Regional Planning Commission, \$1,000.
- 1998 "Development of a community-accessible urban sprawl impact assessment system in Northeast Ohio 15-county region for the EMPACT project," US Environmental Protection Agency, \$80,000 (with Mark Salling of Cleveland State University and Richard Klosterman of University of Akron).
- 1998 "Deerfield Township land use plan," Portage County Regional Planning Commission, \$5,455.
- 1998 "The Great American Secchi Dip-In (Fifth year)," North American Lake Management Society/ Environmental Protection Agency, \$39,600 (with Robert Carlson and David Waller)
- 1998 "Development of a spatial urban residential land use and population growth model." Ohio Urban University Program, \$48,000 (with CSU and UA).

- 1998 "Creation of a GIS Database for the City of Kent," the City of Kent, Ohio, \$8,100.
- 1998 "Modeling of urban land use in Atwater Township, Portage County, Ohio." Portage County Regional Planning Commission, \$3,400.
- 1997 "GIS development simulation program." US EPA Region 5, Northeast Ohio Initiative (NEOI) Sustainable Development Grant, \$15,900.
- 1997 "The Great American Secchi Dip-In (Fourth year)," North American Lake Management Society/ Environmental Protection Agency, \$36,000 (with Robert Carlson and David Waller).
- 1997 "A geographic information system approach to measuring environmental equity in urban Northeast Ohio," to Ohio Urban University Program. \$7,477.
- 1996 "The Great American Secchi Dip-In (Third Year)," North American Lake Management Society/ Environmental Protection Agency, \$38,000 (with Robert Carlson).
- 1996 "NEOEDEN: NorthEast Ohio Environmental Database Exchange Network." Funded by the Ohio Urban University Program. KSU Share: \$19,600 (with CSU, UA, YSU).
- 1996 "Containing Urban Sprawl in Portage County, Ohio," Funded by Portage County Planning Commission via Gund Foundation of Cleveland, Ohio, \$17,500.
- 1996 "Ohio GIS-Network," Funded by the Ohio Board of Regents, \$864,000. With 8 other universities (CSU, UA, YSU, WSU, OU, OSU, UT, and BGU). KSU share was \$96,784.
- 1995 "Demographic and economic analysis of diagnostic related groups (DRG) data of residents in Portage County, Ohio." Division of Research and Graduate Studies, Kent State University, \$480.
- 1995 "Deer habitat database and mapping." National Parks Service, Midwest Regional Office, \$2,400.
- 1995 "The Great American Secchi Dip-In (Second Year)." North American Lake Management Society/Environmental Protection Agency, \$51,332 (with Robert Carlson).
- 1995 "Applicability and effectiveness of modified storm water basins in controlling nonpoint source pollution in the Cuyahoga River Watershed," Lake Erie Protection Fund, \$100,000 (with Jonathan Harbor, Robert Carlson, Patricia Maurice)
- 1995 "Mapping and Analysis of Historical Farm Records in the Cuyahoga Valley National Recreational Area," National Parks Service, Midwest Region Office, \$2,400.
- 1994 "An Integrated Geographic Information System for Studies of Geography of Urban Crime," Urban University Program, Ohio Board of Regents, \$7,404.

- 1994 "The Great American Secchi Dip-In," North American Lake Management Society/Environmental Protection Agency (6/9-9/94) (with Robert Carlson).
- 1993 "A Vector Approach to Automated Extraction of Structural Topographic Information," Division of Research and Graduate Studies, Kent State University, \$6,500.
- 1993 "The Atlas of Ohio Project," Provost of Kent State University (6/93-12/93), \$5,000. (with Ute Dymon)
- 1993 "Brochure production for the Atlas of Ohio," Provost, Kent State University (10/92-2/93) (with Ute Dymon).
- 1993 "Visibility Dominance and Topographic Features on Digital Elevation Models," (10 resource units on CRAY supercomputer, Grant #PGS192-1).
- 1991 "Undergraduate Instruction in Terrain Mapping, Modeling and Analysis," National Science Foundation, \$57,297. (with C. P. Lo and Thomas Hodler).
- 1991 "Implementation of A Computer Laboratory for Spatial Data and Geographical Analysis," The University of Georgia, \$8,000 (with Jean-Claude Thill).
- 1990 "Development of A State Vehicle Routing System," Georgia Governor's Office of Energy Resources, \$4,400 (6-9/1990).
- 1988 "Blockface area delimitation algorithm," GeoCartographic Division, Statistics Canada, \$2,000 (2-6/1988) (with Michael Goodchild).
- 1988 "Thiessen Polygon Algorithms," GeoCartographic Division, Statistics Canada, \$2,000 (1-3/1988) (with Michael Goodchild).
- 1987 "Network Algorithms for the Electronic Atlas Project," Energy, Mines, and Resource Canada (EMR), \$7,000 (with Michael Goodchild).

SUBMITTED PROPOSALS (since 2010)

- 2010-05-17 Health and Health Disparities Model (James S. McDonnell Foundation).
- 2011-03-15 Kent State University-Summa Health Systems Health and Health Disparities Model (National Institute of Health).
- 2012-10-15 Calibrated GIS-ABM of Obesity Policy, Environments and Population Characteristics (National Institute of Health).
- 2013-08-13 Data Manipulation and Data Analysis for the Summit Disparity Model (SDM) (Summit County Public Health District) \$12,873 (Funded)
- 2013-09-05 Towards a Comprehensive GIS-ABM for Area Disparities in Public Health as Related to Obesity Prevalence (National Science Foundation).

- 2013-10-07 A Predictive Model for Neighborhood and Racial Disparities in Obesity Prevalence (National Institute of Health)
- 2013-09-18 SCH: INT: Collaborative Research: Empowering Students Self-Efficacy in Obesity Prevention Through Network-Enabled Participatory Social Support (National Science Foundation)
- 2013-12-02 Spatiotemporal Modeling of Human Dynamics across Social Media and Social Networks (National Science Foundation) \$999,887. (Funded)
- 2013-11-27 SCH: INT: A Predictive Model for Area Disparities in Asthma Prevalence as Induced by Urban Growth. (National Science Foundation)
- 2013-12-10 SCH: INT: Collaborative Research: Community-Wide Lifestyle management through Human Behavior Modeling. (National Science Foundation)
- 2014-09-04 NSF: Comparative Analysis and the Development of a Toolkit for Spatio-Temporal Dynamics of Inequality between China and the US. (National Science Foundation)
- 2014-10-06 Leveraging Technology and Geographic Activity Space to Promote Healthy Lifestyles. (National Science Foundation).
- 2014-12-10 SCH; INT: Collaborative Research: Community-Wide Healthy Lifestyle Management through Human Behavior Modeling. (National Science Foundation). \$989,611.06.

INVITED LECTURES

- 2015 "Business Geography: A Reviving Field." Henan University of Economics and Law, Zhengzhou, Henan, China. April 8th, 2015.
- 2014 "Innovative Applications of Spatial Statistics for Modeling Spatio-Temporal Trends of Geographic Events." The University of Western Ontario. London, Ontario, Canada. October 3rd, 2014.
- 2014 "Innovative Applications of Spatial Statistics for Modeling Spatio-Temporal Trends of Geographic Events." University of Louisville, Louisville, Kentucky. September 18, 2014.
- 2014 "Simulation of Urban Crime" Keynote Speech at China Crime Geography Conference. July 3rd, 2014.
- 2014 "Location-Allocation Modeling and Routing" San Yat San University, Guangzhou, Guangdong, China. June 29th, 2014.
- 2014 "Geosimulations." San Yat San University, Guangzhou, Guangdong, China. June 28th, 2014.

- 2014 "Innovative Applications of Spatial Statistics for Analyzing Spatio-Temporal Events." San Yat San University, Guangzhou, Guangdong, China. June 27th, 2014.
- 2014 "Innovative Applications of Spatial Statistics for Analyzing Spatio-Temporal Events." Wuhan University, Wuhan, Hubei, China, June 25th, 2014.
- 2014 "Innovative Applications of Spatial Statistics for Analyzing Spatio-Temporal Events." China University of Geosciences, Wuhan, Hubei, China. June 24th, 2014.
- 2014 "Geosimulations." Henan University, Kaifeng, Henan, China. June 17th, 2014.
- 2014 "Business Geography and Applications." College of Environment and Planning, Henan University, Kaifeng, Henan, China. June 16th, 2014.
- 2014 "Location-Allocation Modeling and Routing." College of Environment and Planning, Henan University, Kaifeng, Henan, China. June 13th, 2014.
- 2014 "Innovative Applications of Spatial Statistics for Analyzing Spatio-Temporal Events." College of Environment and Planning, Henan University, Kaifeng, Henan, China. June 12th, 2014.
- 2014 "Research and Publication in Geography," College of Environment and Planning, Henan University, Kaifeng, Henan, China. June 11th, 2014.
- 2012 "Going beyond the conventional use of spatial statistics," Academia Sinica, Taipei, Taiwan, July 3rd, 2012 (2-4 PM).
- 2012 "Two examples for applying simple spatial statistics to solving complex geographic problems," Department of Geography, National Taiwan University, May 29th, 2012 (2-4 PM).
- 2011 "Geosimulation," Pu Kyung National University, Pusan, S. Korea, November 10, 2011 (2-3 PM).
- 2011 "GIS and Education," Busan National University of Education, Pusan, S. Korea, November 10, 2011 (5-7 PM).
- 2008 "Multidisciplinary Applications of GIS: Theories, Concepts and Examples," National Taichung University, Taichung, Taiwan, May 14, 2008 (1-3 PM).
- 2008 "GIS as a Multi-Functional Tool for Community Health," 2008 Research Method Round lecture series at the Department of Community Health Science at Northeast Ohio University College of Medicine (NEOUCOM). April 3, 2008.
- 2007 "Simulating Geographic Phenomena." 2007 National Institute of Justice meeting for MAPS program. Pittsburgh, August 3rd, 2007.
- 2006 "Teaching with Geographic Information System." 2006 Kent State University Interactive Learning Conference, Kent State University Moulton Hall 334, March 17, 2006.

- 2002 "Geographic pattern of residential development." Department of Geography and Planning, The University of Akron, February 1, 2002.
- 2001 "The development of Northeast Ohio EMPACT Urban Growth Simulation Website." US EPA, Region V. Chicago (1/24).
- 2000 "Using Joint Count Statistics to model urbanization processes." National Taiwan University (12/21).
- 2000 "Management of health data with geographic information systems." Center for Disease Control, Health Ministry, Executive Yuan, Taiwan, Republic of China (12/21).
- 2000 "GIS and its applications in municipal governments." County Magistrate Office, I-Lan County, Taiwan, Republic of China (12/19).
- 2000 "GIS and its applications." Department of Geology, Wooster College (8/10-11).
- 1997 "Geographic information system: Principles and applications." URS Greiner, Inc. Cleveland, Ohio (2/27).
- 1995 "Remote sensing and digital elevation models," National Center for Space and Remote Sensing Research,, National Central University, Chung-Li, Taiwan, Republic of China, (4/12).
- 1995 "GIS as a research direction for social scientists," Department of Geography, National Taiwan University, Republic of China, (4/11).
- 1994 "The sources and structures of USGS data for hydrological applications in an environment of geographic information systems," Water Resources Research Institute, Kent State University, (11/10).
- 1992 "Visibility analyses on digital elevation models," Department of Mathematics and Computer Sciences, Kent State University, (2/5).
- 1991 "Digital terrain analysis with visibility information," Department of Geography, Kent State University, (8/16).
- 1991 "An introduction to geographical information systems," Department of Geography, Indiana University and Purdue University at Indianapolis, Indianapolis, Indiana,, (7/24).
- 1991 "Algorithms for transportation planning,." Department of Transportation, Board of Education, Dekalb County, Georgia, (2/4).
- 1991 "Terrain analysis on topographic surfaces with digital visibility information," Department of Geography, University of South Carolina, Columbia, South Carolina, 1/31.
- 1990 "Dynamic algorithms for garbage collection operations," City of Dublin, Georgia, 8/24.1990.

1990 "Computerized vehicle routing," Annual Convention of the Georgia Association of Pupil Transportation, Jekyll Island, Georgia, (6/28).

RESEARCH PROPOSALS REVIEWED

South Carolina Sea Grant

2001/07,

Former Soviet Union and Russian Federation Ministry of Education

2002/02,

National Sciences and Engineering, Research Council of Canada

2001/11,

US Department of Housing and Urban Development, Office of Policy Development and Research

1997/10,

Kent State University University Research Council

1994/11, 1997/11, 1998/11, 1999/11, 2012/11,

National Geographic Society

1992/12,

National Science Foundation

1992/02, 1992/11, 1993/09, 1995/02, 1995/03, 1995/10, 1999/11, 2001/03, 2001/10, 2002/03, 2007/04, 2010/03, 2012/10,

Louisiana State University

1989/08,

JOURNAL REVIEWER SERVED

Annals of the Association of American Geographers, Applied Geography,

Arab World Geographer, the

Automated Construction,

Cartography and Geographic Information Systems,

Computers, Environment, and Urban Systems,

Crime mapping,

Environment and Planning B,

Environmental & Engineering Geoscience,

Geographical Analysis,

Geographical and Environmental Modeling,

International Journal of Human and Ecological Risk Assessment,

International Journal of Environmental Research and Public Health,

International Journal of Geographic Information Systems,

International Journal of Geographic Information Science,

International Journal of Remote Sensing,

ISPRS International Journal of Geo-Information,

Journal of Computers and Geosciences,

Land Use Policy,

Networks and Spatial Economics,

Ohio Journal of Science,

Papers of the Applied Geography Conferences,

Papers in Applied Geography,

Photogrammetric Engineering and Remote Sensing,

Professional Geographer,
Social and Cultural Geography,
Social Science Computing Review,
Transactions in GIS,
Urban Studies

COURSES TAUGHT (U-undergraduate level, G-graduate level)

Kent State University (Department of Geography)

- Applied Geography (U & G)
- Introduction to Geography (U)
- World and Regional Geography (U)
- Physical Geography (U)
- Economic Geography (U)
- Geography of China (U & G)
- Remote Sensing and Laboratory (U&G)
- Statistical Methods in Geography (U)
- Geospatial Analysis (U & G)
- Senior Seminar (U, developed new course)
- Internship (U)
- GIS Applications (U & G)
- Advanced GIS (U & G)
- Geographic Information Systems (G)
- Seminar: Urban Geography (G)
- Spatial Algorithms (G)
- Spatial Programming (U & G)
- Urban Information Systems and Methodology (U & G)
- Computer Applications in Geography (U, proposed/offered new course)
- Research in Cartography and GIS (U)
- Principles of Geographic Information Systems (U & G, proposed/offered new course)

National Taiwan University (Department of Geography)

- Medical Geography
- Geosimulations

Maxin Goodman Levin College of Urban Affairs, Cleveland State University

- Advanced Geographic Information Systems (G)

The University of Georgia (Department of Geography)

- Economic Geography (U)
- Introduction to Spatial Analysis (U & G)
- Introduction to GIS (U & G, developed new course)

HONORS COLLEGE UNDERGRADUATE THESIS DIRECTED

2000 Neal, Meridith, "Monitoring and management of lake water quality data."

MASTER THESES DIRECTED

Department of Geography, Kent State University

Chen, Zhuo
 Fruits, Gregory

2015 Zhao, Huanyang, "Spatio-temporal trends of Religious Institutions in Zhejiang Province, China."

- 2012 Mohammad Alnasrallah, "Food Deserts and Minority Population in Akron, Ohio."
- 2011 John Barr, "Analysis of Asthmatic Hospital Admissions in Mississippi as Related to Demographic and Environmental Variables."
- 2008 Al Gharib, Saad, "Spatio-Temporal Changes of Urban Form: A Case Study of Kuwait City, Kuwait."
- 2008 Amendola, Jennifer, "The Demographic and Economic Impacts by Tornado Touchdowns at the County Level, 1990 to 1998."
- 2007 Duggal, Niti, "A Microstudy of Retail Outlet Distribution: Fast Food Restaurants in Portage County and Summit County, Ohio."
- 2006 Joseph, Larry, "Measuring the Locational Performance of Franchised Businesses: A Comparative Study of McDonald's and Burger King"
- 2006 Zhu, Feng, "Urban growth in China."
- 2006 Xu, Ying Wu, "Delimitation of retail trade areas."
- 2005 Wisniewski, Rhiannon, "Modelling Residential Development Probability at the Parcel Level: Geauga County, Ohio."
- 2005 Ina, Greg, "Applying GIS-base inventory system tools for tree health evaluation" and "The evolution of diffusion of geographic data / GIS on the Internet."
- 2004 Bradac, Mark. "Impacts of Variable Resolution on Drainage Basin Morphometry of Digital Glaciated Terrains."
- 2002 Januska, Denise, "Farmland Security in Geauga County."
- 2001 Kim, Hyun Joong, "Spatial structure of residential land values."
- 2001 Yu, Chou-qin, "Finding An Optimal Path for Regular Vehicles in the Remote Sensing Based Anisotropic Cost Surface." (Co-advising with Mandy Muro-Stasiuk).
- 2000 Hu, XiuHong, "A Spatial Model for Local Residential Development: A Case Study in Geauga and Medina Counties."
- 2000 Zhu, Yichen, "Environmental Equity: A Spatial Analysis for Northeastern Ohio."
- 2000 Gibbons, Steve. "Management of the Erie and Ohio Canal Corridor with GIS."
- 1998 Stucky, Daniel, "Viewshed analysis and least cost path."
- 1998 Binkley, Michael, "Delineation and preservation of wetlands with GIS and remote sensing".
- 1997 Wagnitz, Ralph, "Building a GIS: Data acquisition and conversion for a habitat

acquisition model for Quail Hollow State Park, Ohio”.

- 1997 Tian, Lianghu, “Classification of LandSat TM data and updating of land use map by using geographic information systems”.
- 1997 Klaus, Christian, "A spatial decision support system for the redelineation fo elementary school enrollment areas.”
- 1996 Sultana, Ferdouse, "Fuzzy resolution land cover information extraction from TM scenes for Kent, Ohio.”

Department of Computer Sciences

- 2001 Zhang, Rick Ziling, “A web-based geographic information system for simulating urban growth.”

Department of Geography, The University of Georgia

- 1991 Snyder, Peter K., "Modeling spatial patterns of digital elevation errors for drainage basin extraction.”
- 1991 Wang, Chi, "Routing school buses with geographic information systems.

PH.D. DISSERTATION DIRECTED

Zhao, Huanyang.

In progress Harris, Michael. “Land use, crime, and foreclosures as determinants driving changes in land values in Summit County, Ohio.”

In progress Skerl, Kevin. “Influences of scale-dependency, spatial autocorrelation and nonstationarity on bird distributions in an urbanizing landscape: implications for management and conservation.”

2015 Alnasrallah, Mohammad. “Geographic disparities among neighborhoods: Simulations of differential plateauing obesity prevalence and impacts of social influences.”

2011 Al Gharibe, Saad, “Distance and Coverage: An Assessment of Location-Allocation Models for Fire Stations in Kuwait City, Kuwait.”

2007 Dolney, Timothy “Vehicle Emission As Related to Urban Growth.”

2007 Kim, Hyun Joong “Spatiotemporal Analysis of Urban Growth in Local Communities.”

MEMBERSHIP OF ADVISORY COMMITTEES

Kent State University

- 2009 Demir, Serhat, *Ph.D. Dissertation*, Department of Political Science, KSU
“Decision of Police Technology Across Time and Space and the Impact of Technology Use on Police Effectiveness and Its Contribution to Decision-Making.”
- 2008 Suzuoki, Yukihiro, *M.A. Thesis*, Department of Geography, KSU
“Human Impacts Study on Cuyahoga Valley National Park Using GIS and Remote Sensing.”
- 2008 Helsel, Jolien, *Ph.D. Dissertation*, College of Business Administration
“Essays on the Spatial Analysis of Manufacturing Employment in the US.”
- 2008 Harwood, Joseph, *M.A. Thesis*, Department of Geography, KSU
“Delineation and GIS Mapping of Urban Heat Islands Using LandSat TM Imagery.”
- 2006 Durna, Tuncay, *Ph.D. Dissertation*, Department of Political Sciences, “MADD, Drunk Driving, and Deterrence: The Impact of State Laws on Individual Attitudes and Behavior.”
- 2006 Dalqamouni, Ahmad, *Ph.D. Dissertation*, Department of Geology, “GIS-based approach to evaluate landslide hazard potential for selected counties of northeastern Ohio.”
- 2005 Woodard, Martin, *Ph.D. Dissertation*, Department of Geology.
“Development of a Rockfall Hazard Rating Matrix for the State of Ohio.”
- 2005 Dokter, Carl, *Master Thesis*, “The development of a rockfall hazard potential map of State Route 7 along the Ohio River, Ohio, using geographic information system,” Department of Geology.
- 2004 Albert, Paul. *Ph.D. Dissertation*, Computational Algorithms for Least Cost Path with Visibility Information Derived From Digital Elevation Models. School of Business Administration.
- 2001 Barry, Matthew. *Master Thesis*, Department of Biological Sciences.
“Plant Community Development in Two Minerotrophic Peatlands.”
- 2001 Muller, Bonnie. *Master Thesis*, Department of Geology.
“Application of Spatial Analysis to Nonmarine Ostracode Distribution in North America.”
- 2000 Jenerett, G. Darrel, *Master Thesis*, Department of Biological Sciences.
“Integrated Land Use and Environmental Models: A Survey of Current Applications and Research.”
- 2000 Kennedy, William, *Master Thesis*. “Interpreting Fort Ancient settlement variability”, Department of Anthropology.
- 2000 Branch, James. *Master Thesis*, “Patterns of mound distribution: the cultural landscape of Ross County, Ohio.” Department of Anthropology.
- 1999 Britton, Stephen D. *Master Thesis*, “A synoptic climate classification for Cleveland,

- Ohio and its climatological implications for cloud cover and precipitation.”
Department of Geography.
- 1999 Thapar, Neela. *Ph.D. Dissertation*, “changing activity space of persons with multiple sclerosis.” Department of Geography.
- 1999 Colburn, John. *Ph.D. Dissertation*, “the diffusion of commercial television stations in the United States.” Department of Geography.
- 1999 Delaney, Molly. *Master Thesis*, “Comparison of seasonal snowfall among the Great Lakes nowbelts.” Department of Geography.
- 1998 Tu, Xiaoling. *Master Thesis*, “Data compression with applications to digital elevation models.” Department of Mathematics and Computer Sciences.
- 1997 Moeller, James. *Master Thesis*, “The use of digitized multi-temporal color infrared photography to delineate forested wetlands in Wicomico County, Maryland.” Department of Geography.
- 1996 Chen, Ligang. *Master Thesis*, “dynamic exploratory X-window based user interface for the analysis of network flow.” Department of Mathematics and Computer Sciences.
- 1996 Stanich, Lisa. *Master Thesis*, “Factors in the location of parochial schools in Cuyahoga County, Ohio.” Department of Geography.
- 1993 Balachandran, Chandra S. *Ph.D. Dissertation*. "The Application of Expert Systems Technology to Combat Land Degradation." Department of Geography.
- 1992 Mello, William. *Master Thesis*, “A geographical analysis of coastal zone management projects in Pennsylvania : 1980-1989” Department of Geography

The University of Georgia

- 1991 Hutchinson, Nina. *Master Thesis*, Department of Geography

DEPARTMENTAL SERVICES

Department of Geography, Kent State University

- 2013- Library Representative
- 2013- Member, Graduate Studies Committee
- 2003-09 Library Representative
- 1999-00 Chair, Chairperson Review Committee
- 1995 Coordinator, Graduate Studies, 1995-1998.
- 1995 Chair, Search Committee for Departmental Chairperson
- 1994 Chair, Search Committee for Urban/Economic Geography Position
- 1993-96 Member, Faculty Advisory Committee
- 1992-98 Advisor, Gumma Theta Epsilon (Geography Honor Society)
- 1991- Member, Graduate Studies Committee

Department of Geography, The University of Georgia

1990 Member, Curriculum Committee

UNIVERSITY COMMITTEE MEMBERSHIPS

Kent State University

2014-17 Member, Advisory Committee for Academic Assessment, Kent State University
 2014-15 Member, Editorial Board, Kent State University Press
 2013-14 Member, Faculty Ethics Committee, Kent State University
 2012-16 Member, Professional Standards Committee, Kent State University
 2008 Director, China Initiative, Provost Office
 2007 Member, International Affair Advisory Council
 2006 Member, *ad hoc* Committee on Faculty Hire Tracking System, Chairs, and Directors Council, Kent State University
 2006 Member, *ad hoc* Committee on Travel and Office Supplies, Chairs and Directors Council, Kent State University
 2006 Member, University Council on Technology, Infrastructure Subcommittee, KSU
 2005-06 Member, University Council on Technology, Kent State University
 2005-07 Member, Faculty Professional Development Council, Kent State University
 2003- Member, Campus Bus Service Advisory Committee, Kent State University
 2000- University Citation and Recognition Committee
 2001 Review Committee for University President
 2001- Task force on Computational Science
 2000-01 Celebration of Scholarship
 2000-01 Distinguish Scholar Awards
 2000-01 Chair, Social and Behavioral Sciences Subcommittee, Distinguish Scholar Awards
 2000-01 Chair, University Research Council
 1999-00 Vice Chair, University Research Council
 1998-01 University Research Council
 1997 University Research Council (alternative member)
 1995 Graduate Programs Council, College of Arts and Sciences
 1994- Commencement Advisory Committee
 1994- University Registration Advisory Committee
 1993-6 Chinese Students Association

ACADEMIC HONORS

2006 Mortar Board Award, Mortar Board, Laurels Chapter
 1993 Summer Research and Creativity Award, University Research Council, KSU
 1986-89 Special University Scholarship, The University of Western Ontario
 1977-81 University Scholarship, National Taiwan University

PROFESSIONAL SERVICES

2015 External Reviewer, Rank promotion to Professor, The University of Georgia, GA
 2014 External Reviewer, Tenure/Promotion, Georgia State University
 2012 External Reviewer, Ph.D. Program, Salem State University, MA
 2012 External Reviewer, Tenure/Promotion, Texas State University-San Marcos, TX
 2012 External Reviewer, Tenure/Promotion, University of Louisville, KS
 2011 External Reviewer, Tenure/Promotion, University of Cincinnati, OH

- 2008- Executive Director, Applied Geography Conferences
- 2007-10 International Affairs Contact, College of Arts and Sciences
- 2003-08 Member, Board of Directors, Applied Geography Conferences
- 1997-00 Member, Geographic Data Standard Committee, Association of American Geographers
- 1996-98 Member, Board of Directors, Applied Geography Conferences
- 1995-96 Member, Steering Committee, Ohio Geographic Alliance
- 1994 Chair, Local Arrangement Committee, 1994 East Lake Regional Meeting, the Association of American Geographers
- 1994 Chair, Local Arrangement Committee, The 1994 Annual Applied Geography Conference
- 1992-96 Member, Executive Committee, National Steering Committee, Applied Geography Conferences
- 1991 Member, Local Committee, International Conference of GIS/LIS'91
- 1991 Coordinator, Student Volunteer Program, International Conference of GIS/LIS'91

PROFESSIONAL MEMBERSHIPS

- 2007- Phi Beta Delta, Honors Society for International Scholars
- 1983- Association of American Geographers
- 1983- American Congress of Surveying and Mapping
- 1986- Canadian Association of Geographers
- 1986- National Geographic Society
- 1992- American Society of Photogrammetry and Remote Sensing
- 1992- Urban and Regional Information Systems Association

REFERENCES

- Dr. Michael F. Goodchild, Professor and Director, National Center for Geographic Information and Analysis, University of California, Santa Barbara, CA 93106-4060. Tel: (805) 893-8049. Email: good@geog.ucsb.edu.
- Dr. Milton E. Harvey, Professor, Department of Geography, Kent State University, Kent, Ohio 44242-0001. Tel: (330) 672-3742. Email: mharvey@kent.edu.
- Dr. John W. Frazier, Professor, Department of Geography, Binghamton University, Binghamton, NY (607) 777-6179. Email: frazier@binghamton.edu.