JOHN P. WILSON

BIOGRAPHICAL SKETCH



Dr. John P. Wilson is Professor of Sociology and Spatial Sciences in the Dana and David Dornsife College of Letters, Arts and Sciences at the University of Southern California (USC) where he directs the Spatial Sciences Institute as well as the Geographic Information Science & Technology (GIST) Graduate Programs and GIS Research Laboratory, and also holds adjunct appointments as Professor in the School of Architecture and in the Viterbi School of Engineering's Departments of Computer Science and Civil & Environmental Engineering.

From 1998 to 2001 and 2007 to 2010 he was Chair of the Department of Geography at USC, and from 1992 to 1997 he was Professor of Geography in the Department of Earth Sciences, Adjunct Professor in the Department of Plant & Soil Science, and Director of the Geographic Information and Analysis Center (GIAC) at Montana State University (MSU). His early career was as Assistant Professor (1984-1990) and then Associate Professor of Geography (1990-1994) with corresponding adjunct appointments in Plant & Soil Science at MSU. He founded GIAC at MSU in 1989 and the GIS Research Laboratory, GIST Graduate Programs, and Spatial Sciences Institute at USC in 1997, 2007 and 2010, respectively. He has held several visiting appointments in environmental studies, geography, and planning at the Australian National University, University of Canterbury, University of Utrecht, University of Waikato, and most recently, in the Institute of Geographical Sciences and Natural Resources Research at the Chinese Academy of Sciences.

He founded the journal *Transactions in GIS* (Wiley-Blackwell) in 1996 and has served as Editor-in-Chief since its inception. He currently serves on the editorial board of the *Journal of Geo-Spatial Information Science* (2011-2020), and the *Annals of the Association of American Geographers Review of Books* (2013-2020), and has previously served on the editorial boards of *Applied Geography* (1992-2001) and the *Annals of the Association of American Geographers* (2006-2009), He has chaired the Applied Geography Specialty Group of the Association of American Geographers (1989-1991) and the Research Committee of the University Consortium for Geographic Information Science (UCGIS) (2002-2005). He also served on the Board of Directors (2003-2006) and as President of UCGIS from 2006 to 2007. He currently serves as Editor-in-Chief for the UCGIS GIST Body of Knowledge 2.0 project and is an active participant in the UNIGIS International Network, a worldwide consortium of 10+ institutions that develops and delivers online geographic information science academic programs.

His research is focused on the modeling of human and environmental systems and makes extensive use of GIS tools, spatial analysis, and computer models. He has published numerous books and articles on these topics, including two edited volumes, *Terrain Analysis: Principles and Applications* (Wiley, 2000) and the *Handbook of Geographic Information Science* (Blackwell, 2008). Much of this work is collaborative and cross-disciplinary in character with the general goal of improving our knowledge and understanding of the factors linking people, their environments, and their health. The work of his group can be seen on the website http://spatial.usc.edu/. He has received numerous honors for his research and teaching, the most recent being recognized as a Fellow of the University Consortium for Geographic Information Science (2014) and his receipt of a Lifetime Achievement Award by the International Association of Chinese Professionals in Geographic Information Science (2016). He also received a Mellon Award for Excellence in Mentoring from the Center for Excellence in Teaching at USC (2005) and the Albert S. Raubenheimer Outstanding Faculty Award for his research, teaching, and service contributions in Dornsife College at USC (2004).

JOHN P. WILSON

CURRICULUM VITAE

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CURRENT APPOINTMENTS

University of Southern California

•	
2014-	GIS Unit Leader, Spatial and Exposure Analytics Facility Core, Southern California
	Environmental Health Sciences Center
2011-	Professor, Department of Sociology
2010-	Director, Spatial Sciences Institute
2010-	Adjunct Professor, School of Architecture
2006-	Director, Geographic Information Science and Technology Graduate Programs
2006-	Adjunct Professor, Department of Computer Science
2006-	Adjunct Professor, Department of Civil and Environmental Engineering
1997-	Director, GIS Research Laboratory

Chinese Academy of Sciences

2014- Visiting Professor (Thousand Talents Program), Institute of Geographical Sciences and Natural Resources Research

Blackwell-Wiley

1996- Editor-in-Chief, Transactions in GIS

University Consortium for Geographic Information Science

2015- Editor-in-Chief, Geographic Information Science & Technology Body of Knowledge Project

EDUCATION

1986	Ph.D., Geography, University of Toronto, Canada
	Dissertation Title: The Use of Statistical Models to Document Environmental Change in the Lake Simcoe Basin
1979	M.Sc. (with Distinction), Geography, University of Canterbury, New Zealand
	Thesis Title: Internal Migration in the Gilbert and Ellice Islands Colony: An
	Analysis of the 1973 Census Data
1978	B.Sc. Honors (1st Class), Geography, University of Canterbury, New Zealand
1976	L.L.B. Honors (2 nd Class, 2 nd Division), Law, University of Canterbury, New Zealand

PROFESSIONAL EXPERIENCE

Chinese Academy of Sciences

2010-2014 Visiting Professor, Institute of Geographical Sciences and Natural Resources Research

University of Southern California, Los Angeles, California

2008-2014 GIS Unit Leader, Integrative Health Sciences Facility Core, California Environmental

Health Sciences Center

2007-2010 Chair, Department of Geography

1998-2001 Chair, Department of Geography

1997-2010 Professor, Department of Geography

1996-1997 Visiting Professor, Department of Geography

1995-1996 Visiting Professor, Department of Geography and School of Urban Planning and

Development

University of Utrecht, Utrecht, Netherlands

1998 Visiting Belle van Zuylen Chair, Department of Physical Geography

GeoInformation International

1995-1997 Editor-in-Chief, Transactions in GIS

Australian National University, Canberra, Australia

1994 Visiting Fellow, Centre for Resource and Environmental Studies

University of Waikato, Hamilton, New Zealand

1990 Visiting Lecturer, Department of Geography

Montana State University, Bozeman, Montana

1994-1997 Professor, Department of Earth Sciences

1994-1997 Adjunct Professor, Department of Plant and Soil Science

1990-1994 Associate Professor, Department of Earth Sciences

1990-1994 Adjunct Associate Professor, Department of Plant and Soil Science

1989-1996 Director, Geographic Information and Analysis Center

1984-1990 Assistant Professor, Department of Earth Sciences

University of Toronto, Toronto, Canada

1983-1984 Instructor, Department of Geography

1979-1983 Graduate Teaching Assistant, Department of Geography

University of Canterbury, Christchurch, New Zealand

2013 Visiting Erskine Fellow, Department of Geography1978-1979 Laboratory Demonstrator, Department of Geography

HONORS AND AWARDS

Professional

2016 Lifetime Achievement Award, International Association of Chinese Professionals in

Geographic Information Science

2015 Best Professional Paper, Journal of Spatial Science (Kim, K., & Wilson, J. P. 2015.

Planning and visualising 3D routes for indoor and outdoor spaces using CityEngine.

Journal of Spatial Science, 60, 179-193)

2014	Fellow, University Consortium for Geographic Information Science
2008	Special Achievement in GIS Award for Leadership with Geospatial Technology, Esri International User Conference
2006	Special Achievement in GIS Award for Leadership in Geospatial Teaching, Esri International User Conference
2005	Best Practices Gold Award for Distance Learning Programming, U.S. Distance Learning Association
2005	Mellon Award for Excellence in Mentoring, Center for Excellence in Teaching, University of Southern California
2005	Webby Worthy Selection, Ninth Annual Webby Awards
2004	Albert S. Raubenheimer Outstanding Faculty Award, Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California
2003	Outstanding Teaching Award, Latter-Day Saints Student Association, University of Southern California

Graduate

1983	Ph.D. Student Essay Prize, Ontario Division, Canadian Association of Geographers
1982-1983	Kenneth E. Grant Graduate Research Scholarship, Soil Conservation Society of America
1980-1984	Province of Ontario Graduate Scholarship
1979-1980	Connaught Scholarship, University of Toronto
1979	George Jobberns Prize in Geography, University of Canterbury
1979	Charles Cook, Warwick House Memorial Scholarship, University of Canterbury

Undergraduate

1973-1975	Longsdale Scholarship, University of Canterbury
1973	New Zealand Geographical Society Annual Prize

PUBLICATIONS

Books

2008	Oxford, UK: Blackwell.
2000	Wilson, J.P., & Gallant, J.C. (Eds.), <i>Terrain analysis: Principles and applications.</i> New York, NY: John Wiley and Sons.

Book Chapters

2014	Wilson, J.P., Towards geodesign: Building new education programs and audiences. In D. Lee, E. Dias, & H. Scholten (Eds.), <i>Geodesign by integrating design and geospatial sciences</i> (pp. 357-369). Berlin, Germany: Springer.
2013	Wilson, J.P., & Bishop, M.P., Geomorphometry. In J.F. Shroder (Ed.), <i>Treatise in geomorphology: Volume 3, Remote sensing and GIScience in geomorphology</i> (pp. 162-186). San Diego, CA: Academic Press.

- Wilson, J.P., & Goodchild, M.F., Rethinking spatial sciences education programs. In T. Jekel, A. Car, J. Strobl, & G. Griesebner (Eds.), *Geoinfomatics Forum 2012:*Geovisualization, society and learning conference proceedings (pp. 242-245). Berlin, Germany: Wichmann.
- Wolch, J., Longcore, T.R., & **Wilson, J.P.,** Unpaving paradise: The Green Visions Plan for southern California. In D. Sloane (Ed.), *Planning Los Angeles* (pp. 230-239). Los Angeles, CA: APA Planners Press.
- Wilson, J.P., Aggett, G.R., Deng, Y.X., & Lam, C.S., Water in the landscape: A review of contemporary flow routing algorithms. In Q. Zhou, B.G. Lees, & G.A. Tang (Eds.), *Advances in digital terrain analysis* (pp. 213-236). Berlin, Germany: Springer Lecture Notes in Geoinformation and Cartography.
- Goldberg, D.W., **Wilson, J.P.,** & Knoblock, C.A., Exploring the use of gazetteers and geocoders for the analysis and interpretation of a dynamically changing world. In K.S. Hornsby, & M. Yuan (Eds.), *Understanding the dynamics of geographic domains*. (pp. 51-74). Boca Raton, FL: CRC Publishers.
- Wilson, J.P., & Deng, Y.X., Terrain analysis. In K.K. Kemp (Ed.), *Encyclopedia of geographic information science* (pp. 465-467). Thousand Oaks, CA: Sage Publications.
- Fotheringham, A.S., & Wilson, J.P., Geographic information science: An introduction. In J.P. Wilson, & A.S. Fotheringham (Eds.), *Handbook of geographic information science* (pp. 1-10). Oxford, UK: Blackwell.
- Deng, Y.X., **Wilson, J.P.,** & Gallant, J.C., Terrain analysis. In **J.P. Wilson,** & A.S. Fotheringham (Eds.), *Handbook of geographic information science* (pp. 417-435). Oxford, UK: Blackwell.
- Ryan, C.M., **Wilson, J.P.,** B. Fulton, Living on the edge: Growth policy choices for Ventura County. In J. Wolch, M. Pastor, & P. Dreier (Eds.), *Up against the sprawl: Public policy and the making of 21st century Los Angeles* (pp. 309-341). Minneapolis, MN: University of Minnesota Press.
- Wilson, J.P., & Gallant, J.C., Digital terrain analysis. In J.P. Wilson, & J.C. Gallant (Eds.), Terrain analysis: Principles and applications (pp. 1-27). New York, NY: John Wiley and Sons.
- Gallant, J.C., **Wilson, J.P.,** Primary topographic attributes. In **J.P. Wilson**, & J.C. Gallant (Eds.), *Terrain analysis: Principles and applications* (pp. 51-85). New York, NY: John Wiley and Sons.
- Wilson, J.P., & Gallant, J.C., Secondary topographic attributes. In J.P. Wilson, & J.C. Gallant (Eds.), *Terrain analysis: Principles and applications* (pp. 87-131). New York, NY: John Wiley and Sons.
- Wilson, J.P., Repetto, P.L., & Snyder, R.D., Effect of data source, grid resolution, and flow routing method on computed topographic attributes. In J.P. Wilson, & J.C. Gallant (Eds.), *Terrain analysis: Principles and applications* (pp. 133-161). New York, NY: John Wiley and Sons.
- 2000 Wheatley, J.M., **Wilson, J.P.,** Ma, Z., Redmond, R.L., & DiBenedetto, J., Automated land cover mapping using LANDSAT TM images and topographic attributes. In **J.P. Wilson**, &

- J.C. Gallant (Eds.), *Terrain analysis: Principles and applications* (pp. 355-389). New York, NY: John Wiley and Sons.
- Gallant, J.C., Hutchinson, M.F., & Wilson, J.P., Future directions for terrain analysis. In J.P. Wilson, & J.C. Gallant (Eds.), *Terrain analysis: Principles and applications* (pp. 423-427). New York, NY: John Wiley and Sons.
- 1999 **Wilson, J.P.,** & Lorang, M.S., Spatial models of soil erosion and GIS. In A.S. Fotheringham, & M. Wegener (Eds.), *Spatial models and GIS: New potential and new models*. (pp. 83-108). London, UK: Taylor and Francis.
- Wilson, J.P., Local, national, and global applications of GIS in agriculture. In P.A. Longley, D.J. Maguire, M.F. Goodchild, & D.W. Rhind (Eds.), Geographical information systems: Volume 2, Management issues and applications (pp. 981-998). New York, NY: John Wiley and Sons (Reprinted in Second, Abridged Edition, 2005).
- Wilson, J.P., Current and future trends in the development of integrated methodologies for assessing non-point source pollutants. In D.L. Corwin, K. Loague, & T.R. Ellsworth (Eds.), Advanced information technologies for assessing nonpoint source pollution in the vadose zone (pp. 343-361). Washington, D.C.: American Geophysical Union.
- 1998 **Wilson, J.P.,** & Gallant, J.C., Terrain-based approaches to environmental resource evaluation. In S.N. Lane, K.S. Richards, & J.H. Chandler (Eds.), *Landform monitoring, modeling and analysis* (pp. 219-240). London, UK: John Wiley and Sons.
- Spangrud, D.J., **Wilson, J.P.,** Jacobsen, J.S., Nielsen, G.A., & Tyler, D.A., Sensitivity of computed terrain attributes to the number and pattern of GPS-derived elevation data. In P.C. Robert, & R.H. Rust (Eds.), *Site-specific management for agricultural systems* (pp. 285-301). Madison, WI: American Society of Agronomy.
- Moore, I.D., Turner, A.K., **Wilson, J.P.,** Jenson, S.K., & Band, L.E., GIS and land surfacesubsurface process modeling. In M.F. Goodchild, B.O. Parks, & L.T. Steyaert (eds.), *Environmental modeling with GIS* (pp. 197-230). New York, NY: Oxford University Press.
- 1990 Moore, I.D., Grayson, R.B., & **Wilson, J.P.,** Runoff modeling in complex three-dimensional terrain. In H. Lang, & A. Musy (Eds.), *Hydrology in mountainous regions:*Hydrological measurements, the water cycle (pp. 591-598). Wallingford, UK:
 International Association of Hydrological Sciences Publication No. 193.
- 1988 **Wilson, J.P.,** The management of soil and water resources: Information requirements and models. In R.D. Bedford (Ed.), *Geography: A celebration* (pp. 84-109). Christchurch, New Zealand: University of Canterbury.
- Pushchak, R., & **Wilson, J.P.,** Environmental impact assessment for urban natural areas. In W.A. Andrews, & J.L. Cramner-Byng (Eds.), *Urban natural areas: Ecology and preservation* (pp. 73-90). Toronto, Ontario, Canada: Institute for Environmental Studies Environmental Monograph No. 2.
- Lea, A.C., & Wilson, J.P., Subsystems studies: Socio-economic factors. In W.A. Andrews,
 & J.L. Cramner-Byng (Eds.), *Urban natural areas: Ecology and preservation* (pp. 175-198). Toronto, Ontario, Canada: Institute for Environmental Studies Environmental Monograph No. 2.

Refereed Journal Articles

- Lee, S.J., Rich, C., Longcore, T.R., & Wilson, J.P., Increased home size and hardscape decreases urban forest cover in Los Angeles County's single-family residential neighborhoods. *Urban Forestry & Urban Greening*, 23, in press.
- Lue, E., & **Wilson, J.P.,** Mapping fires and Red Cross aid with demographic indicators of vulnerability. *Disasters*, 41, 409-426.
- Zhang, L.L., Yue, T.X., **Wilson, J.P.,** Wang, D.Y., Liu, Y., Zhao, N., Liu, D.D., Du, Z.P., Wang, Y.F., & Lin, C., Modelling of XCO2 surface based on flight test of TanSat instruments. *Sensors*, 16, 1818.
- Yue, T.X., Zhang, L.L., Zhao, M.W., Wang, Y.F., & **Wilson, J.P.,** Space- and ground-based CO2 measurements: A review. *Science China Earth Sciences*, 56, 2089.
- Yue, T.X., Zhao, N., Fan, Z.M., Li, J., Chen, C.F., Lu, Y.M., Wang, C.L., Xu, B., & Wilson, J.P., CMIP5 downscaling and its uncertainty in China. *Global & Planetary Change*, 146, 130-137.
- Yue, T.X., Wang, Y.F., Du, Z.P., Zhao, M.W., Zhang, L.L., Zhao, N., Lu, M., Larocque, G.R., & **Wilson, J.P.,** Analyzing the uncertainty of estimating forest carbon stocks in China. *Biogeosciences*, 13, 3991-4004.
- 2016 Chen, Z., Salam, M.T., Toledo-Corral, C., Watanabe, R.M., Xiang, A.H., Buchanan, T.A., Habre, R., Bastain, T.M., Lurmann, F., **Wilson, J.P.,** Trigo, E., & Gilliland, F.D., Ambient air pollutants have adverse effects on insulin and glucose homeostatis in Mexican Americans. *Diabetes Care*, 39, 547-554.
- 2016 Ghosh, R., Lurmann, F., Perez, L., Penfold, B., Brandt, S., **Wilson, J.P.,** Millet, M., Kunzli, N., & McConnell, R.S., Near roadway air pollution and coronary heart disease: Burden of disease and potential impact of greenhouse gas reduction. *Environmental Health Perspectives*, 124, 193-200.
- Lin, H., Batty, M., Jorgensen, S.E., Fu, B., Konecny, M., Voinov, A., Torrens, P., Lu, G., Zhu, A.X., **Wilson, J.P.,** Gong, J., Kolditz, O., Bandrova, T., & Chen, M., Virtual environments begin to embrace process-based geographic analysis. *Transactions in GIS*, 19, 493-498.
- Yue, T.X., Zhao, M.W., Zhao, N., Chen, C.F., Du, Z.P., Song, D.J., Fan, Z.M., Shi, W.J., Wang, S.H., Yan C.Q., Li, Q.Q., Sun, X.F., Yang, H., **Wilson, J.P.,** & Xu, B., A review of recent developments in HASM. *Environmental Earth Sciences*, 74, 6541-6549.
- VoPham, T.M., **Wilson, J.P.,** Ruddell, D., Rashed, T., Brooks, M.A., Yuan, J.M., Talbott, E.O., Chang, C.C.H., & Weissfeld, J.L., Linking pesticides and human health: A geographic information system (GIS) and Landsat remote sensing method to estimate agricultural pesticide exposure. *Applied Geography*, 62, 171-181.
- Chen, Z., Salam, M.T., Karim, R., Toledo-Corral, C.M., Watanabe, R.M., Xiang, A.H., Buchanan, T.A., Habre, R., Bastain, T.M., Lurmann, F., Taher, M., Wilson, J.P., Trigo, E., & Gilliland, F.D., Living near a freeway is associated with lower bone mineral density among Mexican Americans. *Osteoporosis International*, 26, 1713-1721.
- Wang, Q., Liu, X., Yue, T.X., Wang, C., & Wilson, J.P., Using models and spatial analysis to analyze spatio-temporal variations of food provision and food potential across China's agro-ecosystems. *Ecological Modeling*, 306, 152-159.

- Kim, K., & **Wilson, J.P.,** Planning and visualizing 3D routes for indoor and outdoor spaces in CityEngine. *Journal of Spatial Science*, 60, 179-193.
- 2015 Cederbaum, J.A., Petering, R., Hutchinson, M.K., He, A.S., **Wilson, J.P.,** Jemmott, J.B., & Jemmott, L.S., Alcohol outlet density and related use within an urban population in Philadelphia public housing communities. *Health & Place*, 31, 31-38.
- 2014 Brandt, S.J., Perez, L., Künzli, N., Lurmann, F., **Wilson, J.P.**, Pastor, M., & McConnell, R., Near-roadway air pollution and the cost of childhood asthma exacerbations in Los Angeles County. *Journal of Allergy & Clinical Immunology*, 134, 1028-1035.
- Lue, E., **Wilson, J.P.,** & Curtis, A., Conducting disaster damage assessments with spatial video, experts and the inexperienced public. *Applied Geography*, 52, 46-54.
- 2014 Chen, Y., Zhou, Q., Li, S., Meng, F., Bi, X., **Wilson, J.P.**, Xing, Z., & Qi, J., The simulation of surface flow dynamics using a flow path network model. *International Journal of Geographical Information Science*, 28, 2242-2260.
- 2014 Shahabi, K., & **Wilson, J.P.,** CASPER: Intelligent capacity-aware urban routing. *Computers, Environment and Urban Systems,* 46, 12-24.
- Ghaemi, P., Shahabi, K., **Wilson, J.P.,** & Banaei-Kashani, F., A comparative study of two approaches for supporting optimal network location queries. *Geoinformatica*, 18, 229-251.
- Hricko, A., Rowland, G., Eckel, S., Logan, A., Taher, M., & **Wilson, J.P.,** Global trade, local impacts: Lessons from California on health impacts related and environmental justice concerns for residents living near freight rail yards. *International Journal of Environmental Research & Public Health*, 11, 1914-1941.
- Dueker, D., Taher, M., **Wilson, J.P.,** & McConnell, R.S., Evaluating children's locations using a personal GPS logging instrument: Limitations and lessons learned. *Journal of Exposure Science and Environmental Epidemiology*, 24, 244-252.
- Perez, L., Lurmann, F., **Wilson, J.P.,** Pastor, M., Brandt, S.J., Künzli, N., McConnell, R.S., Near-roadway pollution and childhood asthma: Implications for developing "win-win" compact urban development and clean vehicle strategies. *Environmental Health Perspectives*, 120, 1619-1626.
- 2012 Chen, Y., **Wilson, J.P.,** Zhu, Q., & Zhou, Q., Comparison of drainage-constrained methods for DEM generalization. *Computers & Geosciences*, 48, 41-49.
- Swift, J.N., **Wilson, J.P.,** & Nguyen, T., Estimated temporal variation of losses due to a recurrence of the 1933 Long Beach earthquake. *Earthquake Spectra*, 28, 347-365.
- 2012 **Wilson, J.P.,** Digital terrain modeling. *Geomorphology*, 137, 107-121.
- Longcore, T.R., Kobernus, P., Lam, C.S., Polk, E., & **Wilson, J.P.**, Extracting useful data from imperfect monitoring schemes: Endangered butterflies at San Bruno Mountain, San Mateo County, California (1982-2000) and implications for habitat management. *Journal of Insect Conservation*, 14, 335-346.
- Lee, S.J., Longcore, T., & **Wilson, J.P.,** Identification of municipal policies that influence the distribution of green cover across metropolitan regions. *International Archives of Photogrammetry, Remote Sensing, and Spatial Information Sciences,* 38, Part II, 513-518.

- Sister, C.E., Wolch, J., & **Wilson, J.P.,** Got green? Addressing environmental justice in park provision. *GeoJournal*, 75, 229-248.
- Aggett, G.R., & **Wilson, J.P.,** Creating and coupling a high-resolution LiDAR-based DTM with a 1-D hydraulic model in a GIS for scenario-based assessment of avulsion hazard in a gravel bed river. *Geomorphology,* 113, 21-34.
- Ghaemi, P., Swift, J.N., Sister, C.E., **Wilson, J.P.,** & Wolch, J., Design and implementation of a Web-based platform to support interactive environmental planning. *Computers, Environment & Urban Systems*, 33, 482-491.
- Goldberg, D.W., **Wilson, J.P.,** & Knoblock, C.A., Extracting geographic features from the Internet to automatically build detailed regional gazetteers. *International Journal of Geographical Information Science*, 23, 93-128.
- Sheng, J., **Wilson, J.P.,** & Lee, S.J., Comparison of land surface temperature (LST) modeled with a spatially distributed solar radiation model (SRAD) and remote sensing data. *Environmental Modeling & Software*, 24, 436-443.
- Sheng, J., & **Wilson, J.P.,** Watershed urbanization and changing flood behavior across the Los Angeles metropolitan region. *Natural Hazards*, 48, 41-57.
- Deng, Y.X., & **Wilson, J.P.,** Multi-scale and multi-criteria mapping of mountain peaks as fuzzy entities. *International Journal of Geographical Information Science*, 22, 205-218.
- Goldberg, D.W., **Wilson, J.P.,** Knoblock, C.A., Ritz, B., & Cockburn, M.G., An effective and efficient approach for manually improving geocoded data. *International Journal of Health Geographics*, 7, 60.
- Shankardass, K., McConnell, R.S., Milam, J., Berhane, K., Tatalovich, Z., **Wilson, J.P.,** & Jerrett, M., The association between contextual socioeconomic factors and prevalent asthma in a cohort of southern California school children. *Social Science & Medicine,* 65, 1792-1806.
- Bou Kheir, R., **Wilson, J.P.,** & Deng, Y.X., Use of terrain variables for mapping gully erosion susceptibility in Lebanon. *Earth Surface Processes & Landforms*, 32, 1770-1782.
- Deng, Y.X., Chen, X., Chuvieco, E., Warner, T.A., & **Wilson, J.P.,** Multi-scale linkages between topographic attributes and vegetation indices in a mountainous landscape. *Remote Sensing of Environment,* 111, 122-134.
- Sheng, J., **Wilson, J.P.,** Chen, N., Sayre, J.M., & Devinny, J.S., Evaluating the quality of the National Hydrography Dataset for watershed assessments in metropolitan regions. *GIScience & Remote Sensing*, 44, 1-22.
- Wilson, J.P., Lam, C.S., & Deng, Y.X., Comparison of the performance of flow routing algorithms used in GIS-based hydrologic analysis. *Hydrological Processes*, 21, 1026-1044.
- Goldberg, D.W., Knoblock, C.A., & **Wilson, J.P.,** From text to geographic coordinates: The current state of geocoding. *Journal of the Urban & Regional Information Systems Association*, 19, 2, 33-46.
- Deng, Y.X., **Wilson, J.P.,** & Bauer, B.O., DEM resolution dependencies of terrain attributes across a landscape. *International Journal of Geographical Information Science*, 21, 187-213.

- Tatalovich, Z., **Wilson, J.P.,** McConnell, R., Milam, J., & Jerrett, M., Competing definitions of activity spaces and neighborhoods. *International Journal of Health Geographics*, 5, 55.
- Tatalovich, Z., **Wilson, J.P.,** & Cockburn, M.G., A comparison of Thiessen polygon, kriging, and spline models of potential UV exposure. *Cartography & Geographic Information Science*, 33, 217-237.
- Deng, Y.X., **Wilson, J.P.,** & Sheng, J., Effects of variable attribute weights on landform classification. *Earth Surface Processes & Landforms*, 31, 1452-1462.
- Tatalovich, Z., **Wilson, J.P.,** Mack, T., Ying, Y., & Cockburn, M.G., The objective assessment of lifetime cumulative ultraviolet exposure for determining melanoma risk. *Journal of Photochemistry & Photobiology B: Biology, 85*, 198-204.
- Deng, Y.X., & **Wilson, J.P.,** Role of attribute selection in GIS representations of the biophysical environment. *Annals of the Association of American Geographers*, 96, 47-63.
- Wolch, J., **Wilson, J.P.,** & Fehrenbach, J., Parks and park funding in Los Angeles: An equity mapping analysis. *Urban Geography*, 26, 4-35.
- Wilson, J.P., Lam, C.S., & Holmes-Wong, D.H., A new method for the specification of geographic footprints in digital gazetteers. *Cartography & Geographic Information Science*, 31, 195-207.
- Longcore, T.R., Li, C.Q., & **Wilson, J.P.,** Applicability of CITYgreen urban ecosystem analysis software to a densely built urban neighborhood. *Urban Geography*, 25, 173-186.
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PRESENTATIONS

Conferences and Workshops

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- Wilson, J.P., Geodesign as a multiscale global enterprise. Geodesign Europe Summit, Delft, The Netherlands.
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 Geospatial Approaches to Cancer Control and Population Sciences Conference,
 Bethesda, Maryland.
- Wilson, J.P., Reactions to the keynote address by Margaret Leinen, Director of the Scripps Institution of Oceanography, current president of the American Geophysical Union, and a US State Department Science Envoy (Panel discussion). Esri International User Conference, San Diego, California.
- 2016 Escobedo, L.A., Cockburn, M.G., & **Wilson, J.P.,** *Spatial disparities in adherences to colorectal cancer screening among the elderly.* Fourth Epidemiology Conference of the Americas, Miami, Florida.
- Wilson, J.P., Community health mapping in a world awash with geographic data and tools. Community Health Mapping Workshop, Bethesda, Maryland.
- Escobedo, L.A., Cockburn, M.G., & Wilson, J.P., Improving the reliability of the American Community Survey with an application to targeted melanoma control and prevention.

 Annual Meeting of the American Association of Geographers, San Francisco, California.
- Wilson, J.P., The challenges and opportunities accompanying geospatial big data. International Workshop on Big Data: Challenges and Opportunities for Disaster Recovery, Shonan, Japan.
- Wilson, J.P., Establishing a B.S. in GeoDesign to foster interdisciplinary collaboration. Seventh Annual Geodesign Summit, Redlands, California.
- Wilson, J.P., GIS&T BoK project update, University Consortium for Geographic Information Science, Washington, DC.
- 2015 **Wilson, J.P.,** *UCGIS 20th anniversary retrospective (Panel discussion),* University Consortium for Geographic Information Science Symposium, Washington, DC.
- Wilson, J.P., Commercial and open source software: Geographic information systems (Panel discussion). Workshop on Academic Computing at USC, University of Southern California, Los Angeles, California.

- Wilson, J.P., Bridging geo-process modeling and virtual worlds naturally in research (Panel discussion). International Conference on Geo-Process Modeling in VGE: Managing and Sharing Geographic Knowledge, Hong Kong.
- Zhao, M.W., Yue, T.X., Zhao, N., Chen, C.F., Du, Z.P., Dong, D.J., Fan, Z.M., Shi, W.J., Wang, S.H., Wang, C.L., Yan, C.Q., Li, Q.Q., Sun, X.F., Yang, H., Xu, B., & Wilson, J.P., *A review of HASM.* International Conference on Geo-Process Modeling in VGE: Managing and Sharing Geographic Knowledge, Hong Kong.
- Wilson, J.P., Cancer surveillance: The case for an enduring spatial science base.

 Opportunities for Integrating Spatial Science into Cancer Surveillance Workshop,
 National Cancer Institute, Rockville, Maryland.
- Wilson, J.P., Building a vibrant and enduring spatial science. Ninth International Workshop on Geographical Information Science (IWGIS 2014: Major Emerging GIScience Research Challenges), Beijing, China.
- 2014 **Wilson, J.P.,** *UCGIS Geographic Information Science & Technology Body of Knowledge 2.0 project.* Geographic Information: Need to Know (GI-N2K) Project Workshop, Castellón, Spain.
- Wilson, J.P., *The case for an enduring spatial science*. Seventeenth AGILE Conference on Geographic Information Science, Castellón, Spain.
- Wilson, J.P., GIScience master's and certificate programs: Improving practice and sharing experiences (Panel discussion). University Consortium for Geographic Information Science Pre-Symposium Workshop, Pasadena, California.
- Wilson, J.P., The science of where: Maps, models, and storytelling. Annual Teaching with Technology Conference on Digital Knowledge across the Curriculum, University of Southern California, Los Angeles, California.
- Wilson, J.P., Geospatial education online (Panel discussion). Annual Center for Geographic Analysis Conference, Harvard University, Cambridge, Massachusetts.
- VoPham, T.M., **Wilson, J.P.,** Ruddell, D., Rashed, T., & Weiessfeld, J.L., *A Landsat remote sensing method to estimate agricultural pesticide exposure in California*. Annual Meeting of the Association of American Geographers, Tampa Bay, Florida.
- Wilson, J.P., Spatiotemporal thinking, computing, and applications: Working session towards a research agenda (Panel discussion). Annual Meeting of the Association of American Geographer, Tampa Bay, Florida.
- Wilson, J.P., Symposium on synergistic advances in cyberGIS and geography: CyberGIS body of knowledge (Panel discussion). Annual Meeting of the Association of American Geographer, Tampa Bay, Florida.
- Wilson, J.P., Creating a spatially enabled campus. Advancing the Spatially Enabled Smart Campus Specialist Meeting, Center for Spatial Studies, University of California, Santa Barbara, California.
- Wilson, J.P., The geography-environment nexus: Spatially-explicit environmental analysis and modeling. International Conference on Geography and Environment, Mexico City, Mexico.

- Wilson, J.P., Towards geodesign: Building new education programs and audiences. Geodesign Europe Summit, Leerdam, The Netherlands.
- Wilson, J.P., Here, there & everywhere: Recasting the spatial sciences to serve a spatializing world. UNIGIS-Amsterdam 20th Anniversary Symposium, Leerdam, the Netherlands.
- 2013 Kim, K., & **Wilson, J.P.,** *Using CityEngine to plan and visualize routes in indoor and outdoor spaces.* Annual Esri International Education User Conference, San Diego, California.
- Wilson, J.P., *Cultivating spatial intelligence in bite-sized chunks*. Annual Meeting of the Association of American Geographers, Los Angeles, California.
- Wilson, J.P., Scholastic pioneers: Emerging best practices in geodesign education (Panel discussion). Fourth Annual Geodesign Summit, Redlands, California.
- Wilson, J.P., Cultivating spatial intelligence. Spatial Thinking across the College Curriculum Specialist Meeting, Center for Spatial Studies, University of California, Santa Barbara, California.
- Wilson, J.P., Measuring people in place: Synthesis of Day 1 (Panel discussion). Measuring People in Place Workshop, Boulder, Colorado.
- Wilson, J.P., & Goodchild, M.F., How should GIS education be reshaped to serve future needs? Sixth Annual GI Forum, Salzburg, Austria
- Wilson, J.P., Rethinking and repositioning geographic information science. Annual Meeting of the University Consortium of Geographic Information Science, Washington, D.C.
- Wilson, J.P., Professional online GIS degree programs: A panel discussion. Annual Meeting of the American Society of Photogrammetry and Remote Sensing, Sacramento, California.
- Wilson, J.P., Making journal articles 'live': Turning academic writing into scientific dialog (Panel discussion). Annual Meeting of the Association of American Geographers, New York, New York.
- Wilson, J.P., Future of academic GIS centers: Opportunities and challenges (Panel discussion). Annual Meeting of the Association of American Geographers, New York, New York.
- Wilson, J.P., Murphy, A., & Sloane, D., *Creating a B.S. in geodesign at the University of Southern California*. Third Annual Geodesign Summit, Redlands, California.
- Wilson, J.P., Geodesign education: Where are we and where are we going? (Panel discussion). Third Annual Geodesign Summit, Redlands, California.
- 2011 Lee, S.J., Longcore, T.R., & **Wilson, J.P.,** *Monitoring urban land cover change using GIS & remote sensing: A Los Angeles County case study.* Thirty-first International Esri User Conference, San Diego, California.
- 2011 Lee, S.J., Longcore, T.R., & **Wilson, J.P.,** *Modeling the ecological impacts of mansionization in metropolitan regions.* Annual Meeting of the Association of American Geographers, Seattle, Washington.

- 2010 **Wilson, J.P.,** *Modeling surface runoff & contaminants in large metropolitan regions.*University of Southern California, Dornsife College of Letters, Arts and Sciences
 Southern California Bight Climate Change Workshop, Los Angeles, California.
- Wilson, J.P., Geography & our digital futures (Panel discussion). Joint Meeting & Biennial Conference of the New Zealand Geographical Society and Australian Institute of Geographers, Christchurch, New Zealand.
- 2010 **Wilson, J.P.,** *Geography & GIS as middleware.* Joint Meeting & Biennial Conference of the New Zealand Geographical Society and Australian Institute of Geographers, Christchurch, New Zealand.
- Wilson, J.P., *Professional GIS degree programs (Panel discussion)*. Summer Assembly of the University Consortium of Geographic Information Science, Hilton Head Island, South Carolina.
- Lee, S.J., Longcore, T.R., & Wilson, J.P., Identification of municipal polices that influence the distribution of green cover across metropolitan regions. Joint International Conference on Theory, Data Handling and Modeling in Geospatial Information Science, Hong Kong.
- Wilson, J.P., Modeling surface runoff and contaminants in large metropolitan regions. University of Southern California Water Retreat, Los Angeles, California.
- Lue, E., **Wilson, J.P.,** & Longcore, T.R., Assessing fuzzy k-means landscape classification as a complement to GPS collar data in determining Catalina Island fox habitat preferences. Annual Meeting of the Association of American Geographers, Washington, D.C.
- 2010 **Wilson, J.P.,** *Community of professional graduate programs in GIS&T (Panel discussion).* Annual Meeting of the Association of American Geographers, Washington, D.C.
- 2010 Lee, S.J., Longcore, T.R., & **Wilson, J.P.,** *Modeling the ecological impacts of mansionization in metropolitan regions*. Annual Meeting of the Association of American Geographers, Washington, D.C.
- Wilson, J.P., GIS master's programs: A panel discussion. Annual Meeting of the Association of Pacific Coast Geographers, San Diego, California.
- Wilson, J.P., Role of geocomputation in the hydrological sciences. First International Symposium on Geo-Computation and Analysis, Wuhan, China.
- Jerrett, M., Berhane, K., Chang, C.-C., Wolch, J., Reynolds, K., **Wilson, J.P.,** ..., & McConnell, R., Food access around the home and the development of obesity in a prospective cohort study of children aged 10-18 years. Annual Conference of the International Society for Environmental Epidemiology, Dublin, Ireland.
- Tatalovich, Z., **Wilson, J.P.,** & Cockburn, M.G., *Modeling potential UV exposure for objective assessment of melanoma risk*. Annual CDC Conference on the Future of Environmental Public Health, Washington, D.C.
- Wilson, J.P., Building science-based spatial decision support tools to promote environmental sustainability. International Conference on GeoInformatics for Spatial Infrastructure Development in the Earth and Allied Sciences, Hanoi, Vietnam.

- Wilson, J.P, GlScience journal editors: A panel discussion. International Conference on Geographic Information Science (GlScience 2008), Park City, Utah.
- Goldberg, D.W., Cockburn, M.G., & **Wilson, J.P.,** *Open source web tools for manual geocode correction.* Annual Meeting and Workshops of the North American Association of Central Cancer Registries, Denver, Colorado.
- Tatalovich, Z., **Wilson, J.P.,** & Avol, E., *Estimation of traffic volumes on local road networks to support assessment of traffic-related exposure to pollutants.* Annual Meeting of the Association of American Geographers, Boston, Massachusetts
- Sheng, J., & **Wilson, J.P.,** *Effects of watershed aggregation on a water quality model in an urban landscape.* Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- Goldberg, D.W., **Wilson, J.P.,** & Knoblock, C.A., *Enabling dynamic tools for modeling, analyzing, and integrating data in a dynamically changing world and data environment.*Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- Sister, C.E., Boone, C.G., **Wilson, J.P.,** & Wolch, J., *Park access and equity in Los Angeles, Phoenix and Baltimore.* Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- Swift J N, Ghaemi P, Longcore T R, **Wilson J P,** Wolch J, *Decision-support web tools for the Green Visions Plan for twenty-first century southern California*. Annual Meeting of the Association of American Geographers, San Francisco, California.
- 2007 **Wilson, J.P.,** *GIScience and disaster management: Research prospects and challenges.*Annual Meeting of the Association of American Geographers, San Francisco, California.
- Wilson, J.P., *Distance learning and GIScience*. Annual Meeting of the Association of American Geographers, San Francisco, California.
- Wilson, J.P., Using GIS and environmental modeling to build sustainable communities. International Association of Science and Technology for Development International Conference on Environmental Modeling & Simulation, Honolulu, Hawaii.
- Wilson, J.P., Lam, C.S., Deng, Y.-X., & Aggett, G.A., From precipitation to streamflow: Simulating the movement of water within landscapes. International Symposium on Terrain Analysis & Digital Terrain Modelling, Nanjing, China.
- 2006 **Wilson, J.P.,** Geospatial preparedness from the non-governmental organization perspective. Joint Meeting of the U.S. Geological Survey & U.S. Department of Homeland Security on Geospatial Preparedness for Natural Disasters, Reston, Virginia.
- Wilson, J.P., Swift, J.N., & Tatalovich, Z., *Place-based decision support for spatial and temporal transference of risk and hazards*. National Science Foundation Human and Social Dynamics Program Principal Investigator Meeting, Washington, D.C.
- Shankardass, K., McConnell, R., Milam, J., Tatalovich, Z., **Wilson, J.P.,** & Jerrett, M., *The association between contextual socio-economic factors and prevalent asthma in a cohort of southern California school children*. Annual Meeting of the American Thoracic Society, San Diego, California.

- Tatalovich, Z., & **Wilson, J.P.,** Reconstructing spatio-temporal patterns of social vulnerability, Los Angeles County, 1940-2000. Annual Meeting of the Association of American Geographers, Chicago, Illinois.
- Sister, C.E., Linder, A., Seymour, M., Byrne, J., **Wilson, J.P.,** & Wolch, J., *Park and open space resources in southern California*. Annual Meeting of the Association of American Geographers, Chicago, Illinois.
- Sayre, J., Sheng, J., **Wilson, J.P.,** & Devinny, J., *Prospects for stream and watershed restoration in rapidly urbanizing landscapes*. Annual Meeting of the Association of American Geographers, Chicago, Illinois.
- Sheng, J., Chen, N., Sayre, J., **Wilson, J.P.,** & Devinny, J., *Evaluating the quality of the National Hydrology Dataset for watershed assessments in southern California*. Annual Meeting of the Association of American Geographers, Chicago, Illinois.
- Wilson, J.P., The Green Visions Plan for 21st century southern California. Annual Meeting of the Association of American Geographers, Chicago, Illinois.
- Wilson, J.P. Geospatial information science and technology: An integrating force in disaster preparedness, Mitigation and Recovery. University Consortium for Geographic Information Science Winter Meeting, Washington, D.C.
- Wilson, J.P., Role of interpolation in GIS-based climate impact studies. National Center for Atmospheric Research (NCAR) GIS in Weather, Climate & Impacts Workshop, Boulder, Colorado.
- Wilson, J.P., GIS in the city: A GISer's guide to advancing policy and practice. University Consortium for Geographic Information Science Summer Assembly, Jackson Hole, Wyoming.
- Goldberg, D.W., Knoblock, C.A., & **Wilson, J.P.,** Extracting geographic features from the Internet to automatically build detailed regional gazetteers. Second Annual Electronic Cultural Atlas Initiative Congress, Shanghai, China.
- Sheng, J., Deng, Y.X., & **Wilson, J.P.,** Landform characteristics of household sites in mountainous areas. Annual Meeting of the Association of American Geographers, Denver, Colorado.
- Tatalovich, Z., **Wilson, J.P.,** & Cockburn, M.G., *GIS analysis of average cumulative sun exposure and melanoma risk.* Annual Meeting of the Association of American Geographers, Denver, Colorado
- 2005 Lam, C.S., Longcore, T.R., & **Wilson, J.P.,** *Analysis of butterfly survey data and methodology from San Bruno Mountain Habitat Conservation Plan (1982-2000).* Annual Meeting of the Association of American Geographers, Denver, Colorado.
- 2005 Chen, N., & **Wilson, J.P.,** Evaluation of two GIS-based models for estimating the energy savings associated with shade trees. Annual Meeting of the Association of American Geographers, Denver, Colorado.
- Sister, C.E., & **Wilson, J.P.,** *Impacts of land use on reef health.* Annual Meeting of the Association of American Geographers, Denver, Colorado.

- Deng, Y.X., **Wilson, J.P.,** Chabukswar, R., & Romstad, B., *Multi-scale delineation of mountain peaks as fuzzy spatial objects.* Annual Meeting of the Association of American Geographers, Denver, Colorado.
- Wilson, J.P., Knoblock, C.A., & Shahabi, C., Rapid data integration in response to unexpected events. University Consortium for Geographic Information Science Winter Meeting, Washington, D.C.
- Deng, Y.X., & **Wilson, J.P.,** Effects of attribute selection on fuzzy k-means landform classifications. Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania.
- Lam, C.S., Deng, Y.X., & Wilson, J.P., Comparison of flow routing algorithms used in geographic information systems. Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania.
- Tatalovich, Z., **Wilson, J.P.,** McConnell, R., & Milam, J., *Impact of definitional issues on estimates of community variables in epidemiological research*. Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania.
- Sister, C.E., & **Wilson, J.P.,** *Predicting coral reef health: Does distance matter?* Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania.
- Bauer, B., Lorang, M., Sherman, D., Ellis, J., McDermott, J., & **Wilson, J.P.,** *Delta levee erosion: Long-term monitoring and shoreline processes.* CALFED Science Conference, Sacramento, California.
- Wilson, J.P., Delineating landscapes using terrain analysis and fuzzy classification methods. Ian Moore Terrain Analysis Symposium, Australian National University, Canberra, Australia.
- Wilson, J.P., Faculty incentive and institutional support leading to curricula transformation. Sixth Annual Conference on Teaching, Learning, & Technology, University of Southern California, Los Angeles, California.
- 2003 Lam, C.S., **Wilson, J.P.,** Holmes-Wong, D., & Shoaf, W., *Building a geospatial browser* and gazetteer for the Los Angeles Digital Archive. Annual Meeting of the Association of American Geographers, New Orleans, Louisiana.
- Li, C., Longcore, T.R., & **Wilson, J.P.,** Quantifying the benefits of nature's services in a dense urban area. Annual Meeting of the Association of American Geographers, New Orleans, Louisiana.
- Wilson, J.P., Terrain analysis tools for routing flow and calculating upslope catchment areas. Symposium on Terrain Analysis for Water Resource Applications, Austin, Texas.
- Wilson, J.P., The growth visioning exercise results. Annual Urban Land Institute-Los Angeles & University of Southern California Lusk Center for Real Estate Summit, Los Angeles, California.
- Wilson, J.P., Where can the growth go? Annual Urban Land Institute-Los Angeles & University of Southern California Lusk Center for Real Estate Summit, Los Angeles, California.

- 2002 Lam, C.S., **Wilson, J.P.,** & Holmes-Wong, D., *Building a neighborhood-specific gazetteer* for a digital archive. Twenty-second International Esri User Conference, San Diego, California.
- Wilson, J.P., Terrain-based descriptions of earth surface and atmospheric processes. Intergraph Geospatial World User Community Conference, Atlanta, Georgia.
- Wilson, J.P., GIS capabilities and epidemiological applications. University of Southern California GIS & Spatial Statistics in Epidemiology Workshop, Pasadena, California.
- 2002 Longcore, T.R., & **Wilson J.P.,** Applicability of CITYgreen urban ecosystem analysis software to a dense urban neighborhood. Annual Meeting of the Association of American Geographers, Los Angeles, California.
- Wilson, J.P., Digital terrain modeling: Future research issues. Ordnance Survey Height Workshop, Loughborough, United Kingdom.
- Wilson, J.P., The Information System for Los Angeles Project. Annual Conference and Joint Meetings of Pacific Neighborhood Consortium, University of California, Berkeley, California.
- 1999 **Wilson, J.P.,** Burrough, P.A., van Gaans, P., & Hansen, A.J., *Fuzzy k-means classification of digital elevation models as an aid to biodiversity assessments.* Annual Meeting of the Association of American Geographers, Honolulu, Hawaii.
- 1999 **Wilson, J.P.,** *Water resource applications of GIS.* University Consortium for Geographic Information Science Summer Assembly, Minneapolis-St. Paul, Minnesota.
- Hunt, L., **Wilson, J.P.,** & Roseman, C., *ISLA: An integrated digital archive for southern California*. Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- Stillman, S.T., **Wilson, J.P.,** Daly, C., Hutchinson, M.F., & Thornton, P., *Evaluating GIS-based simulations of precipitation: Methods, problems & performance.* Joint Meeting of Institute of the Australian Geographers and New Zealand Geographical Society, Hobart, Australia.
- Stillman, S.T., **Wilson, J.P.,** Daly, C., Hutchinson, M.F., & Thornton, P., *Evaluating GIS-based simulations of precipitation: Methods, problems & performance.* Second Australian Workshop in Environmental Applications of GIS, Kiola, Australia.
- 1997 **Wilson, J.P.,** *Current and future trends in the development of integrated technologies for assessing non-point source pollution.* Joint American Geophysical Union Chapman-Soil Science Society of America Outreach Conference on Application of GIS, Remote Sensing, Geostatistics, & Solute Transport Modeling to the Assessment of Non-point Source Pollution in the Vadose Zone, Riverside, California.
- 1997 **Wilson, J.P.,** *Decision support systems for precision agriculture.* Remote Sensing for Precision Agriculture Symposium, Annual Meeting of the Soil Science Society of America, Anaheim, California.
- 1996 **Wilson, J.P.,** Role & scope of the National Spatial Data Infrastructure: The local government perspective. Ninth Annual Montana GIS Conference, Missoula, Montana.
- 1996 **Wilson, J.P.,** & Petch, J., *UNIGIS distance learning diploma, Technology and user needs.* Second International Conference on GIS and Higher Education, Baltimore, Maryland.

- Stillman, S.T., **Wilson, J.P.,** Daly, C., Hutchinson, M.F., & Thornton, P., *Comparison of ANUSPLIN, MTCLIM-3D, and PRISM precipitation estimates.* Third International Conference Integrating GIS and Environmental Modeling, Santa Fe, New Mexico.
- 1996 **Wilson, J.P.,** GIS-based land surface/subsurface modeling: New potential for new models? Third International Conference Integrating GIS & Environmental Modeling, Santa Fe, New Mexico.
- 1996 Stillman, S.T., & **Wilson, J.P.,** Comparison of ANUSPLIN, MTCLIM-3D and PRISM models for estimating mean annual and monthly precipitation. Ninth Annual Montana GIS Conference, Missoula, Montana.
- 1995 **Wilson, J.P.,** The role of GIS software and personnel in automating local government operations. United Nations & Organization of Islamic Capital Cities Conference on GIS, Sustainability, & the Environment, Cairo, Egypt.
- Wilson, J.P., & Gallant, J.C., *Terrain-based approaches to environmental resource evaluation.* Annual Meeting of the British Geomorphology Research Group, Cambridge,
 United Kingdom.
- 1995 **Wilson, J.P.,** *Terrain-based methods for predicting climatic, hydrologic & biological indices.* Consortium for Study of North Temperate Montane Ecosystems Workshop on Biodiversity in Montane Ecosystems: Identifying Sources & Designing Exchange Protocols, Bozeman, Montana.
- Wilson, J.P., Spatial models of land use patterns and soil erosion: The role of GIS.
 GISDATA Specialist Meeting on GIS & Spatial Modeling: New Potential for New Models,
 Stockholm, Sweden.
- Inskeep, W.P., Wraith, J., **Wilson, J.P.,** Snyder, R.D., & Macur, R., *Input parameter and model resolution effects on solute transport predictions.* ASA-CSSA-SSSA Bouyoucos Conference, Riverside, California.
- 1995 **Wilson, J.P.,** Inskeep, W.P., Wraith, J., & Snyder, R.D., *GIS-based solute transport modeling applications: Scale effects & estimation methods.* ASA-CSSA-SSSA Bouyoucos Conference, Riverside, California.
- Stillman, S.T., & **Wilson, J.P.,** Comparison of ANUSPLIN precipitation surfaces & hand-contoured maps in southwestern Montana and Wyoming. Eighth Annual Montana GIS Conference, Helena, Montana.
- 1995 Wheatley, J.M., **Wilson, J.P.,** & Nielsen, G.A., *Using terrain attributes to improve the accuracy of Landsat remote sensing vegetation maps.* Eighth Annual Montana GIS Conference, Helena, Montana.
- 1995 Magnant, J., Beland, D., & **Wilson, J.P.,** *Use of GIS for critical lands strategic planning in Bozeman.* Eighth Annual Montana GIS Conference, Helena, Montana.
- 1995 **Wilson, J.P.,** *GIS-based solute transport modeling applications: Scale effects* & *estimation methods.* Eighth Annual Montana GIS Conference, Helena, Montana.
- 1995 Repetto, P.L., & **Wilson, J.P.,** *Sensitivity of RUSLE outputs to GIS methods used to calculate topographic inputs.* Eighth Annual Montana GIS Conference, Helena, Montana.

- 1995 Gillett, L.E., **Wilson, J.P.,** & Kemp, W.P., *Spatial variability of grassland NDVI values by ecoregion and land cover type in the northern Great Plains.* Eighth Annual Montana GIS Conference, Helena, Montana.
- 1995 **Wilson, J.P.,** Custer, S.G., Farnes, P., Landenburger, L.A., & Snyder, R.D., *Comparison of hand-contoured and computer-splined precipitation estimates in Montana*. Annual Meeting of the Association of American Geographers, Chicago, Illinois.
- 1994 **Wilson, J.P.,** Tips for writing successful National Science Foundation Instrumentation and Laboratory Improvement Program Grant proposals. Annual Meeting of Association of American Geographers, San Francisco, California.
- 1994 **Wilson, J.P.,** *Mapping soil and terrain attributes for site-specific farm management.* Montana Interagency Soil Survey Conference, Bozeman, Montana.
- Custer, S.G., Snyder, R.D., Farnes, P., & **Wilson, J.P.,** *Updated mean annual precipitation data (1961-90) for the Bozeman and Billings 1x2° topographic quadrangles: A comparison of hand- and computer-contoured results.* Annual Meeting of the Montana Division, American Water Resources Association, Bozeman, Montana.
- 1994 **Wilson, J.P.,** & Inskeep, W.P., *Using the Arc/Info GIS and CMLS solute transport model for predicting pesticide movement into ground water.* Annual Meeting of the Montana Division, American Water Resources Association, Bozeman, Montana.
- Wilson, J.P., Spangrud, D.J., Landon, M., Jacobsen, J.S., & Nielsen, G.A., *Mapping Soil attributes for site-specific management of a Montana field.* Society for Photo-Optical Instrumentation Engineers International Symposium on Photonics for Industrial Applications, Boston, Massachusetts.
- Landon, M., Jacobsen, J.S., **Wilson, J.P.,** & Nielsen, G.A., *Soil and terrain attributes for evaluation of field-scale nutrient leaching potentials*. Annual Meeting of the American Society of Agronomy, Seattle, Washington.
- 1994 Custer, S.G., Farnes, P., & **Wilson, J.P.,** Comparison of hand-contoured and computersplined precipitation estimates in the mountains & plains of Montana. Annual Meeting of the Montana Division, American Water Resources Association, Missoula, Montana.
- 1994 **Wilson, J.P.,** *New spatial interpolation methods.* Sixth Annual Montana GIS Conference, Kalispell, Montana.
- 1994 **Wilson, J.P.,** The expanding role of GIS in undergraduate education at Montana State University. Annual Meeting of the Association of American Geographers, San Francisco, California.
- Wilson, J.P., Spangrud, D.J., Jacobsen, J.S., Nielsen, G.A., & Tyler, D., Sensitivity of computed terrain attributes to the number & pattern of GPS-derived elevation data.
 Second International Conference on Site-Specific Management for Agricultural Systems, Minneapolis-St. Paul, Minnesota.
- 1993 **Wilson, J.P.,** Shovic, H.W., Moore, I.D., Landenburger, L.A., & Snyder, R.D., *Modeling landforms & soils in Yellowstone National Park*. Thirteenth International Esri User Conference, Palm Springs, California.
- 1993 **Wilson J P,** Forer P, *Taking Instruction beyond the GIS Laboratory.* Thirteenth International Esri User Conference, Palm Springs, California.

- Lorbeer, S., Jacobsen, J.S., **Wilson, J.P.,** & Nielsen, G.A., *Using a soil-crop yield database to evaluate a productivity index model for small grains in Montana.* Great Plains Soil Fertility Conference, Denver, Colorado.
- 1992 **Wilson, J.P.,** Outer space technology for down-to-earth cities: An overview of GIS/GPS applications. Annual Meeting of the Montana League of Cities and Towns, Lewistown, Montana.
- Lorbeer, S., Jacobsen, J.S., **Wilson, J.P.,** & Nielsen, G.A., *A soil productivity index model for small grains in Montana*. Annual Meeting of the American Society of Agronomy, Minneapolis-St. Paul, Minnesota
- Jersey, J.K., Jacobsen, J.S., Moore, I.D., **Wilson, J.P.,** & Nielsen, G.A., *Evaluation of a DEM-based topographic attribute model for a semi-arid, mountainous catchment.*Annual Meeting of American Society of Agronomy, Minneapolis-St. Paul, Minnesota.
- 1992 Moore, I.D., Clesiolka, C.A., & **Wilson, J.P.,** *Soil erosion prediction & GIS: Linking theory and practice.* International Conference on Application of Geographic Information Systems to Soil Erosion Management, Taiyuan, China.
- Wilson, J.P., Inskeep, W.P., Rubright, P., Jacobsen, J.S., Snyder, R.D., & Cooksey, D., Coupling geographic information systems & models for county-scale ground water pollution assessments. Annual Meeting of the Association of American Geographers, San Diego, California.
- Wilson, J.P., Snyder, R.D., Ryan, C.M., Inskeep, W.P., Jacobsen, J.S., & Rubright, P., Coupling geographic information systems & models for county-scale ground water pollution assessments. Twelfth International Esri User Conference, Palm Springs, California.
- 1992 **Wilson, J.P.,** *GIS education & training opportunities at Montana State University.* Twelfth International Esri User Conference, Palm Springs, California.
- 1992 **Wilson, J.P.,** *Terrain-based models for the distributed hydrological & erosional modeling of landscapes.* Montana Interagency Soil Survey Conference, Bozeman, Montana.
- Wilson, J.P., Inskeep, W.P., Rubright, P., Cooksey, D., Jacobsen, J.S., & Snyder, R.D., Coupling geographic information systems & models for weed control and ground water protection. Annual Meeting of the Weed Science Society of America, Orlando, Florida.
- McEachern, K., Jacobsen, J.S., Nielsen, G.A., & **Wilson, J.P.,** *Use of soil and terrain attributes for predicting soil fertility.* Great Plains Soil Fertility Conference, Denver, Colorado.
- 1991 **Wilson, J.P.,** *When is a GIS Needed?* Fourth Annual Montana GIS Conference, Bozeman, Montana.
- 1991 McEachern, K., Jacobsen, J.S., Nielsen, G.A., & **Wilson, J.P.,** *Digital elevation model attributes for predicting soil fertility.* Annual Meeting of the American Society of Agronomy, Denver, Colorado.
- Rubright, P., Jacobsen, J.S., Inskeep, W.P., Nielsen, G.A., & **Wilson, J.P.,** *GIS-based evaluations of pesticide ground water contamination potential.* Annual Meeting of the American Society of Agronomy, Denver, Colorado.

- 1991 Moore, I.D., Turner, K., **Wilson, J.P.,** Jenson, S., & Band, L.E., *GIS & land surface-subsurface process modeling*. International Conference/Workshop on Integrating Geographic Information Systems and Environmental Modeling, Boulder, Colorado.
- 1991 **Wilson, J.P.,** *Environmental change in the Lake Simcoe Basin, 1800-1990.* Lake Simcoe Conference and Festival, Baldwin, Ontario.
- 1991 **Wilson, J.P.,** Ladson, A.R., & Moore, I.D., *Comparison of grid, TIN, and contour-based digital elevation models for terrain analysis.* Annual Meeting of the Association of American Geographers, Miami, Florida.
- 1990 **Wilson, J.P.,** *Contribution of soil survey to soil erosion & crop productivity models.* Montana Interagency Soil Survey Conference, Bozeman, Montana.
- 1990 **Wilson, J.P.,** *GIS education opportunities at Montana State University.* Third Annual Montana GIS Conference, Missoula, Montana.
- 1990 **Wilson, J.P.,** *GIS research projects at Montana State University.* Third Annual Montana GIS Conference, Missoula, Montana.
- 1990 **Wilson, J.P.,** Jacobsen, J.S., & Nielsen, G.A., *Agricultural applications of GIS*. Annual Meeting of Montana Agricultural Experiment Station and Extension Service, Bozeman, Montana.
- 1990 **Wilson, J.P.,** & Jacobsen, J.S., *Agricultural applications of GIS*. Annual Meeting of Montana Wheat and Barley Growers Association, Great Falls, Montana.
- 1990 Seney, J., & **Wilson, J.P.,** *Erosional impact of hikers, horses, off-road bicyclists, & motorcycles on mountain trails.* Annual Meeting of the Association of American Geographers, Toronto, Ontario.
- 1990 Moore, I.D., Grayson, R.D., & **Wilson, J.P.,** Runoff modeling in complex three-dimensional terrain. International Conference on Water Resources in Mountainous Regions & Thirty-second Congress of International Association of Hydrogeologists, Lausanne, Switzerland.
- Ladson, A.R., Moore, I.D., & **Wilson, J.P.,** Contour- & grid-based methods of terrain representation: Scale effects. Fall Meeting of the American Geophysical Union, San Francisco, California.
- 1990 Ladson, A.R., & **Wilson, J.P.,** *Terrain modeling techniques.* Precision Farming in the 90's Workshop, Power, Montana.
- Ladson, A.R., **Wilson, J.P.,** & Moore, I.D., *Landscape analysis and modeling using digital terrain analysis*. Annual Meeting of the Association of American Geographers, Toronto, Ontario.
- 1990 **Wilson, J.P.,** *GIS applications combining soil surveys and simulation models.* Montana Interagency Soil Survey Conference, Bozeman, Montana.
- 1989 **Wilson, J.P.,** Sandor, S., Nielsen, G.A., & McConnell, S., *A productivity index model for Montana soils*. Annual Meeting of the Western Soil Science Society, Bozeman, Montana.
- 1989 Pings, J.C., & **Wilson, J.P.,** Quantifying soil erosion and deposition using cesium-137 near Carter, Montana. Annual Meeting of the Association of American Geographers, Baltimore, Maryland.

- **Wilson, J.P.,** & Nielsen G A, *Quantifying the effects of erosion on soil productivity in Montana*. Annual Meeting of Association of American Geographers, Phoenix, Arizona.
- **Wilson, J.P.,** & Nielsen, G.A., *Quantifying the effects of erosion on soil productivity in Montana*. Twenty-sixth Congress of International Geographical Union, Sydney, Australia.
- **Wilson, J.P.,** *GIS Applications in city and county government.* Annual Meeting of Montana Association of Planners, Kalispell, Montana.
- **Wilson, J.P.,** *Modeling the impacts of erosion on crop productivity.* Montana Interagency Soil Survey Conference, Bozeman, Montana.
- **Wilson, J.P.,** *Agricultural applications of GIS.* First Annual Montana GIS Annual Conference, Helena, Montana.
- 1987 Gerhart, K.E.S., & **Wilson, J.P.,** Using the Productivity Index (PI) model to generate county-wide soil erosion vulnerability maps in Montana. Annual Meeting of the Great Plains-Rocky Mountain Division, Association of American Geographers and Prairie Division, Canadian Association of Geographers, Regina, Saskatchewan.
- Pings, J.C., & **Wilson, J.P.,** *Quantifying soil erosion and deposition in a small Montana watershed using cesium-137.* Annual Meeting of the Great Plains-Rocky Mountain Division, Association of American Geographers and Prairie Division, Canadian Association of Geographers, Regina, Saskatchewan.
- Ruth, J.H., & **Wilson, J.P.,** Factors influencing streambank erosion and channel migration on the North Fork Flathead River. Annual Meeting of the Great Plains-Rocky Mountain Division, Association of American Geographers and Prairie Division, Canadian Association of Geographers, Regina, Saskatchewan.
- 1986 Gerhart, K.E.S., & **Wilson, J.P.,** Modeling the effects of erosion on soil productivity in Cascade County, Montana. Annual Meeting of the Soil and Water Conservation Society of America, Billings, Montana.
- **Wilson, J.P.,** & Gerhart, K.E.S., *Information requirements for non-point source pollution management models*. Annual Meeting of the Soil and Water Conservation Society of America, Billings, Montana.
- **Wilson, J.P.,** *Soil productivity losses from erosion in Montana.* Annual Meeting of the Association of American Geographers, Portland, Oregon.
- Ruth, J.H., & **Wilson, J.P.,** Streambank erosion and controls on the North Fork Flathead River. Annual Meeting of the Montana Division, American Water Resources Association, Bozeman, Montana.
- **Wilson, J.P.** *Critique of regional soil loss assessments based on the universal soil loss equation.* Annual Meeting of the Association of American Geographers, Minneapolis-St. Paul, Minnesota.
- **Wilson, J.P.,** Phosphorus loading trends in the Lake Simcoe-Couchiching Basin, Ontario, Canada, 1800-1980. Annual Meeting of the Association of American Geographers, Washington, D.C.
- **Wilson, J.P.,** *Estimating the universal soil loss equation's topographic factor for watersheds.* Annual Meeting of the Ontario Division, Canadian Association of Geographers, Hamilton, Ontario.

- 1983 **Wilson, J.P.,** Information requirements for environmental management where soil erosion contributes to the downstream pollution of rivers and lakes. Annual Meeting of the Soil Conservation Society of America, Hartford, Connecticut.
- 1980 **Wilson, J.P.,** Liverman, D., & White, A.V., *The Mississauga evacuation: A study of public response and attitudes.* Annual Meeting of the Canadian Association of Geographer, Montreal, Quebec.

Webinars and Videos

- Wilson, J.P., & Ahlqvist, O., All You Need to Know About UCGIS's New GIS&T Body of Knowledge (Webinar). Directions Magazine.
- Wilson, J.P., Summers, R., & Hitt, A.L., *Developing Geospatial Leaders* (Webinar). Geographic Information Science and Technology Programs, University of Southern California.
- Wilson, J.P., *Ask the Director: USC GIST Student Webinar*. Geographic Information Science and technology Programs, University of Southern California.
- Wilson, J.P., Escobedo, L.A., & VoPham, T., Advancing Public Health with Geospatial Analysis (Webinar). Geographic Information Science and Technology Graduate Programs, University of Southern California.
- Wilson, J.P., *The Power of Maps*, Connecting with USC Scholars (Video and "Hands-On" Walkability Assignment). Center for Scholarly Technology, University of Southern California.
- 2014 Kumar, S., & **Wilson, J.P.,** *Introducing GeoHealth* (Webinar). Master of Public Health, Keck School of Medicine, University of Southern California.
- Wilson, J.P., An Introduction to the New Graduate Certificate Programs (Webinar).

 Geographic Information Science and Technology Graduate Programs, University of Southern California.
- Wilson, J.P., Spatial Sciences (Video). Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California.
- Wilson, J.P., Ruddell, D., & Lee, S.J., *Spatial Sciences Institute* (Video). Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California.
- DiBiase, D., Foster, K., Manone, M., **Wilson, J.P.,** Miskowiak, D., & Phillips, C.G., *Exploring the Diversity of Opportunities in Geodesign Education* (Webinar). Directions Magazine.
- Wilson, J.P., Introducing the Spatial Sciences Institute (Webinar). Geographic Information Science and Technology Graduate Programs, University of Southern California.
- Wilson, J.P., Goodchild M F, Goldberg D W, Wittner E, Kemp K K, *Creating Enduring Spatial Skills that Lead to Job Opportunities* (Webinar). Directions Magazine.
- Wilson, J.P., General Information Session: GIST Programs (Webinar). Geographic Information Science and Technology Graduate Programs, University of Southern California.

- Wilson, J.P., General Information Session: GIST Programs (Webinar). Geographic Information Science and Technology Graduate Programs, University of Southern California.
- Wilson, J.P., *Mapping on Catalina Island, California* (Video). Geographic Information Science and Technology Graduate Programs, University of Southern California.

Invited Lectures, Seminars, and Talks

es, Seminars, and Talks
Population, Health and Place. USC Alumni Association Monthly Meeting, San Francisco, California.
Reactions to the keynote address by Jack Dangermond, President, Esri (Panel discussion). Institute for Geographical Sciences & Natural Resources Research, Beijing, China.
Conducting Place-based Research in a World Awash with Geospatial Data and Tools. Earth Surface Modeling Workshop, Institute of Geographical Sciences & Natural Resources Research, Chinese Academy of Sciences, Beijing, China.
Dynamic Modeling, Geostatistics, and Fuzzy Classification: New Sneakers for a New Geography? Department of Geography, University of Connecticut, Storrs, Connecticut.
Geography and the Spatial Sciences: Deploying the Spatial Sciences to Support Geographic Education and Discovery. Department of Geography, University of Miami, Miami, Florida.
What Makes Spatial Special? Department of Sociology, University of Southern California.
So You're Interested in the Spatial Sciences? Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California.
The Science of Where: Maps, Models, and Storytelling in the 21 st Century. Admission Staff Training, University of Southern California.
Geographic Information Processing (Panel Presentation and Discussion). Workshop on Academic Computing, University of Southern California.
Geospatial Health Research and Teaching. Southern California Environmental Health Sciences Center, University of Southern California.
Placemaking, Maps, and Geodesign: Spatial @USC. Urban Land Institute-Los Angeles Advisory Board Meeting.
The Science of Where: Maps, Models and Storytelling, Parkside Arts and Humanities Residential College, University of Southern California.
Full-time Dornsife NTT Teaching Faculty: A Program to Mentor and Answer Your Questions (Panel Presentation and Discussion), Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California
GIS, Spatial Analysis and Religion, School of Religion, University of Southern California
Mapping and Classifying Biophysical Landscape Attributes, Biodiversity and Environment Research Collaboration Group, University of Southern California
UCGIS Geographic Information Science & Technology Body of Knowledge 2.0 Project (Short Presentation, Question & Answer Session), Esri GIS Education Community

	Advisory Board, Esri International User Conference/Education User Conference, San Diego, California
2013	Geospatial Workforce Development (Panel Presentation and Discussion), Center for Business GIS and Spatial Analysis, University of Redlands
2013	Advice and Ascent: A Program to Mentor NTT Teaching Faculty (Panel Presentation and Discussion), Dana and David Dornsife College of Letters, Arts and Sciences, University of Southern California
2013	The Geospatial Revolution, School of Surveying, University of Otago, New Zealand
2013	GIS and Spatial Analysis, Department of Geography, University of Canterbury, New Zealand
2013	GIS, Spatial Analysis, and Religion, School of Religion, University of Southern California
2012	Place-Based Models of Instruction: Introduction to GIS @ USC and the Spatial Sciences Institute, Faculty Forum, Center for Scholarly Technology, University of Southern California
2012	GIS and Location Analytics, Marshall School of Business, University of Southern California
2012	Spatial 2.0: Spatial Literacy, Analysis, Modeling, and Visualization, School of Architecture, University of Southern California
2012	GIS and Environmental Applications, Centre for GeoInformatics, School of Geography and Geosciences, University of St. Andrews, Scotland
2012	How Can We Reshape GIS Education to Serve Future Needs? Center for Spatial Studies, University of California, Santa Barbara
2011	GeoDesign: Coupling GIS with Design Thinking to Identify and Evaluate Alternative Futures, Laboratory for Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, China
2011	The Spatial Sciences: Connecting Society, Environment, and Health. Department of Geography, University of Wisconsin, Milwaukee
2011	The Spatial Sciences and Their Role in Environmental Studies, Wrigley Institute of Environmental Studies Advisory Board Meeting
2011	GeoDesign: Designing Our Future in an Anthropogenic World, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China
2010	The Role of the Spatial Sciences in the Modern Research University, Department of Sociology, University of Southern California
2010	Surface Modeling: The Current State of the Art, Enduring Challenges, and New Opportunities, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China
2010	GIS, Spatial Analysis, and Spatial Thinking: Essential Tools for the Modern Geoscientist's Toolbox, Department of Earth Sciences, University of Southern California
2010	Maps as Representations of the World, USC Dana and David Dornsife College of Letters, Arts and Sciences and the Natural History Museum of Los Angeles County

2009	Spatial Science @ USC, Los Angeles County eGIS Working Group
2009	Green Visions Plan Watershed Modeling and Analysis Tools, Los Angeles District, Regional Water Quality Control Board
2009	Green Visions Plan Spatial Decision Support Tools, Los Angeles County Department of Public Works
2008	Key Green Visions Planning Tools, Greater Los Angeles County Region Integrated Regional Watershed Management Plan (IRWMP) Leadership Committee
2006	Fusing Computer Science and Geography: Research Advances and Opportunities in Geographic Information Science, Department of Computer Science, University of Southern California
2006	Using GIS, Spatial Analysis, and Maps to Improve Urban Places and Spaces, Institute for Quantitative Social Science, Harvard University
2005	GIS, Spatial Analysis, and Maps: Essential Tools for the Modern Urban Scholar's Toolbox, Department of Geography, University of South Carolina
2004	The Green Visions Plan for 21st Century Southern California, School of Architecture, University of Southern California
2004	GIS, Spatial Analysis, and Maps: Essential Tools for the New Urban Scholar's Toolbox?, Lusk Center for Real Estate, Marshall School of Business and School of Policy, Planning, and Development, University of Southern California
2002	Parks and Park Funding in Los Angeles: An Equity Mapping Analysis, Commission for Children, Youth, and Their Families, City of Los Angeles
2001	Environmental Modeling with GIS, School of Natural Resources and Environment, University of Michigan
2001	Digital Terrain Analysis and Modeling, School of Natural Resources and Environment, University of Michigan
2000	The Integrated Digital Archive-Los Angeles Project, Department of Anthropology, University of California, Berkeley
2000	Spatial Extensions of Environmental Modeling, Department of Geography, University of California, Los Angeles
2000	From Outer Space to Personal Spaces, Department of Biological Sciences, University of Southern California
1998	Evaluating GIS-based Simulations of Precipitation: Methods, Problems and Performance, Department of Geography, University of Auckland
1998	Evaluating GIS-based Simulations of Precipitation: Methods, Problems and Performance, Department of Geography, University of Waikato
1998	Dynamic Modeling, Geostatistics, and Fuzzy Classification: New Sneakers for a New Geography? Department of Geography, University of Auckland
1998	Comparisons of Spatially Distributed Precipitation Models, Department of Physical Geography, University of Utrecht

1997	Simulating Water Quality Problems with GIS-based Land Surface/Subsurface Models, Department of Geography, University of California, Santa Barbara
1996	Development and Testing of Terrain-based Methods for Environmental Characterization and Modeling, Department of Geography, Michigan State University
1995	Terrain-based Methods for Conducting Environmental Resource Surveys, Department of Geography, University of Southern California
1995	Terrain-based Approaches to Environmental Resource Evaluation, Greater Yellowstone Coordinating Committee, U.S. Department of Agriculture-Forest Service and U.S. Department of Interior-National Park Service
1995	ArcView GIS Overview and Demonstration, Bozeman City-County Planning Board
1995	The Power of Geographic Information Systems, Office of Extended Studies, Montana State University (seminar for technical professionals delivered via METNet 2-way interactive video network to studio audiences in eight Montana cities)
1994	Building a Multidisciplinary GIS Research Center, Department of Geography, University of Auckland
1994	Geographic Information Technologies in the Great American Outback, Department of Geography, University of Auckland
1994	Natural Resource Management Applications of GIS, Department of Animal and Range Sciences, Montana State University
1994	The Expanding Role of GIS in Undergraduate Education at Montana State University, Department of Geography, University of Lethbridge
1994	Computer Simulation in the Earth Sciences, Science and Technology Core Committee Computer Exposition, Montana State University
1994	Development of a New Montana Precipitation Map Using the ANUSPLIN Model, Montana Natural Resource Information System, Montana State Library
1993	GIS Research in Support of Grasshopper and Locust Management, U.S. Agency for International Development Site Visit, Montana State University
1992	Geography, Geographic Information Systems, and Agriculture in the Great American Outback, U.S. Department of Agriculture-Agricultural Research Service Fort Keough Experiment Station
1992	Coupling Geographic Information Systems and Models for Groundwater Pollution Assessments, Department of Plant and Soil Science, Montana State University
1991	Computerized Methods of Terrain Analysis, Center for High-Elevation Studies, Montana State University
1990	Terrain-based Models for the Distributed Erosional Modeling of Landscapes, Department of Geography, University of Auckland
1990	Terrain Analysis and Soil Erosion Model Development, Department of Earth Sciences, University of Waikato
1990	Geography, Geographic Information Systems, and Agriculture in the Great American Outback, Waikato Branch, New Zealand Geographical Society, Waikato Branch

1989	Use of Geographic Information Systems and Models for Landscape Analysis, National Science Foundation Congressional Site Visit, Montana State University
1987	Soil Erosion/Crop Productivity Relationships, Aokautere Soil Conservation Center, New Zealand Ministry of Works and Development
1987	Soil Erosion/Crop Productivity Models and Their Data Requirements, Soils Bureau, Division of Scientific and Industrial Research
1987	Management of Soil and Water Resources: Information Requirements and Models, Department of Geography, University of Otago
1987	Management of Soil and Water Resources: Information Requirements and Models, Department of Geography Jubilee Conference and Celebration, University of Canterbury
1984	Modeling Soil Erosion and Phosphorus Loadings in the Lake Simcoe-Couchiching Basin, 1800-1981, Department of Earth Sciences, Montana State University

GRANTS AND CONTRACTS

\$3,000

GRANTS AND CONTRACTS		
2016-2021	Southern California Clinical and Translational Science Institute: Clinical and Translational Science Award National Center for Advancing Translational Sciences, National Institutes of Health; Co-I; T.A. Buchanan, Department of Medicine, University of Southern California, M.D. Kipke, Department of Pediatrics, Children's Hospital Los Angeles, and J.M. Samet, Department of Preventive Medicine, University of Southern California, PIs; \$36,600,000 (\$295,640, Wilson)	
2016-2021	Southern California Environmental Health Sciences Center: Environmental Exposures, Host Factors, and Human Disease National Institute of Environmental Health Sciences; Co-I; F.D. Gilliland, Department of Preventive Medicine, University of Southern California, PI; \$4,996,728 (\$170,200, Wilson)	
2016-2017	Spatial Disparities in Adherence to Colorectal Cancer Screening among the Elderly National Institute on Aging; Co-PI with L.A. Escobedo, Spatial Sciences Institute, University of Southern California; \$24,993.	
2016-2017	Visualizing a University Campus in Esri's CityEngine™ University of Southern California Undergraduate Research Associates Program; Co-PI with B. MacDonald, Spatial Sciences Institute, University of Southern California; \$5,000	
2015-2016	Geographic Analysis, Modeling, and Mapping Support for the Children's Data Network Project University of Southern California, School of Social Work; Co-PI with B. MacDonald, Spatial Sciences Institute, University of Southern California; \$36,036	
2014-2017	Religious Competition and Creative Innovation: Los Angeles and Seoul, South Korea John Templeton Foundation; Co-I; R. Flory & B. Loskota, Center for Religion and Civic Culture, University of Southern California, PIs; \$2,500,000 (\$105,000, Wilson)	
2014-2015	Visualizing a University Campus in Esri's CityEngine™ University of Southern California Undergraduate Research Associates Program; PI;	

2013-2018	Adolescent Smoking: Vulnerability to Tobacco Use and Marketing across Life (P3 – Vulnerable Populations) National Cancer Institute; Co-I, R. McConnell, Department of Preventive Medicine, University of Southern California, PI; funded as part of the "USC Tobacco Center of Regulatory Science (TCORS) for Vulnerable Populations" grant awarded to J. Samet & M. Pentz, Department of Preventive Medicine, University of Southern California; \$19,999,608 (\$34,858; Wilson)
2013-2018	Maternal Stress and Children's Obesity Risk National Heart, Blood, and Lung Institute, National Institutes of Health; Co-I, G.F. Dunton, Department of Preventive Medicine, University of Southern California, PI; \$4,117,478 (\$36,800, Wilson)
2013-2015	Building Photorealistic 3-D Models of the University Park Campus Buildings and Landmarks Facilities Management Services, University of Southern California; PI; \$110,000
2013-2014	Developing Interactive Mapping Services for Immigrant Populations Tomás Rivera Policy Institute, University of Southern California; Co-PI with R. Kornak, Spatial Sciences Institute, University of Southern California; \$10,000
2013-2014	Map Story Support for the Multimedia Mapping Havana Project Tomás Rivera Policy Institute, University of Southern California; PI; \$2,500
2013	Historically Significant Buildings Multimedia Mapping Project Real Estate and Asset Management Division, University of Southern California; PI; \$38,500
2012-2014	New Tools for Maximizing Health and Economic Benefits of Air Pollution Regulation South Coast Air Quality Management District; Co-I, R. McConnell, Department of Preventive Medicine, University of Southern California & S. Brandt, Department of Resource Economics, University of Massachusetts-Amherst, PIs; \$250,000 (\$25,520, Wilson)
2012-2016	Southern California Environmental Health Sciences Center: Environmental Exposures, Host Factors, and Human Disease National Institute of Environmental Health Sciences; Co-I; F.D. Gilliland, Department of Preventive Medicine, University of Southern California, PI; \$7,113,124 (\$102,704, Wilson)
2012-2013	Mapping Support for a Business Creativity and Innovation Project Gould School of Law, University of Southern California; PI; \$12,000
2010-2013	Interdisciplinary Spatial Science University of Southern California Collaboration Fund; Co-PI with M.G. Cockburn, Department of Preventive Medicine, University of Southern California; \$60,000
2010-2013	Developing a 3-D Routing Service for USC's University Park Campus Facilities Management Services, University of Southern California; Co-PI with D.W. Goldberg, Spatial Sciences Institute, University of Southern California; \$45,000
2010-2012	GIS Support for Southern California American Red Cross Chapters American Red Cross: PI: \$69.600

2010-2011	Development of a Management System and Geographic Interface for Biological Resource Data U.S. Department of Defense Legacy Program; Co-PI with T.R. Longcore & J.N. Swift, Spatial Sciences Institute, University of Southern California; \$100,000
2010-2011	Building Multidisciplinary Spatial Science Learning Pathways University of Southern California Fund for Innovative Undergraduate Teaching; PI; \$7,750
2009-2011	New Approaches to Estimating the Cost and Burden of Traffic-related Air Pollution in Children South Coast Air Quality Management District; Co-I, R. McConnell, Department of Preventive Medicine, University of Southern California and S. Brandt, Department of Resource Economics, University of Massachusetts-Amherst, PIs; \$350,000 (\$30,000, Wilson)
2009-2010	Mapping Support for Las Virgenes-Malibu Council of Governments Multi-Jurisdictional Hazard Mitigation Plan MLC & Associates, Inc., Costa Mesa, California; PI; \$6,500
2009-2010	Provision of Batch and Manual Geocoding Services California Cancer Registry; PI; \$20,000
2009-2010	Impact of Vehicle Pollution on Children's Development in Los Angeles County University of Southern California Undergraduate Research Program; Co-PI with J.N. Swift, Department of Geography, University of Southern California; \$6,000
2009-2010	A Center for Regional Decadal Climate Predictions (CRDCP) James H Zumberge Faculty Research and Innovation Fund; Co-PI with L. Stott, Department of Earth Sciences, University of Southern California; \$50,000
2009-2010	Mapping Support for Riverside Urban Area Security Risk/Gap Analysis Project MLC & Associates, Inc., Costa Mesa, California; PI; \$36,000
2009	USC WebGIS Open Source Geocoder Platform Extension National Cancer Institute, Co-PI with M.G. Cockburn, Department of Preventive Medicine, University of Southern California; \$93,500
2008-2009	Impact of Vehicle Pollution on Children's Health in Southern California: Methods Development for a Spatially-based Assessment of Burden of Disease and Economic and Policy Consequences James H Zumberge Faculty Research and Innovation Fund; Co-PI with R.S. McConnell, W.J. Gauderman, Department of Preventive Medicine, and J. Wolch, Department of Geography, University of Southern California; \$50,000
2008-2009	Development and Testing of Geocoding Services for the Division of Cancer Prevention and Control Northrop Grumman and Centers for Disease Control and Prevention; Co-PI with J.N. Swift, Department of Civil and Environmental Engineering, University of Southern California; \$90,000
2007-2010	Shortest Network Paths: New Algorithms and Applications North American Association of Central Cancer Registries and Susan G Komen Breast Cancer Foundation; PI; \$132,072

2007-2008 Upper Los Angeles River Recommendations and Implementation Blueprint Mountains Restoration Trust; PI; \$40,000 2007-2008 Development of a Web-Based Hydrologic Information System University of Southern California Undergraduate Research Program; Co-PI with J.N. Swift, Department of Civil and Environmental Engineering, University of Southern California; \$6,000 2006 Upper Los Angeles River: Recharge Suitability Analysis Mountains Restoration Trust; PI; \$80,000 2005-2011 Influence of Built Environments on the Development of Obesity during Childhood National Cancer Institute; Co-I with M. Jerrett, K.T. Berhane, F.D. Gilliland, R. McConnell, Department of Preventive Medicine, K. Reynolds, Institute for Prevention Research, & J. Wolch, Department of Geography, University of Southern California; funded as part of the "USC Center for Trans-disciplinary Research on Energetics and Cancer (C-TREC)" grant awarded to M. Goran, Institute for Prevention Research, Keck School of Medicine, University of Southern California; \$1,010,215 (\$70,000; Wilson) 2005-2006 GIS-Based Analysis and Visualization of Hydrological and Ecological Patterns and **Processes** San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy; PI; \$9,998 (two awards) 2005-2006 Development of a White Paper on GIS Modeling Opportunities for Regional Sediment Management in Ventura and San Diego Counties, California Everest International Consultants, Long Beach, California and U.S. Army Corps of Engineers, Los Angeles District Office; PI; \$9,227 2005 Characterizing Parkland and Recreational Open Space in the Los Angeles Metropolitan Region University of Southern California Undergraduate Research Program; Co-PI with J. Wolch & T.R. Longcore, Department of Geography, University of Southern California; \$6,000 2004-2009 Place-based Decision Support for Spatial and Temporal Transference of Risks and Hazards National Science Foundation, Human and Social Dynamics Program; Co-PI with T.R. Jordan, Department of Earth Sciences, J.N. Swift, Department of Civil and Environmental Engineering, University of Southern California, & S.L. Cutter, Department of Geography, University of South Carolina; \$700,000 (\$300,000; University of Southern California) 2004-2007 Student Interns: GIS Mapping and Planning Support Southern California Association of Governments; PI; \$80,000 (multiple awards) 2004-2006 An Integrated Watershed Management Plan for the Upper Los Angeles River Mountains and Watershed Conservation Authority; Co-PI with J. Wolch, Department of Geography, University of Southern California; \$250,000 An Investigation of the Scale Effects of DEM-based Fuzzy k-means Landform 2004-2006 Classifications National Science Foundation, Geography and Regional Science Doctoral Dissertation Research Program; Co-PI with Y.X. Deng, Department of Geography, University of Southern California; \$11,240

2004-2005 Spatio-temporal Patterns of Suspended Sediment at a Tidal River Bifurcation National Science Foundation, Geography and Regional Science Doctoral Dissertation Research Program; Co-PI with M. Lange, Department of Geography, University of South California & B.O. Bauer, Department of Earth Science, University of British Columbia at Okanagan; \$12,000 2004-2005 GIS Boat Traffic and Levee Erosion Data Integration California Department of Boating and Waterways; PI; Subcontract funded as part of "Sacramento-San Joaquin Delta Studies: Field Program to Measure Levee Erosion" grant awarded to B.O. Bauer, Department of Earth Science, University of British Columbia at Okanagan; \$55,549 2004-2005 Competing Definitions of Activity Spaces and Neighborhoods University of Southern California, Keck School of Medicine, Children's Health Study; Co-PI with R. McConnell, Department of Preventive Medicine, University of Southern California; \$25,000 2004-2005 Building the International Metropolitan Observatory Project University of Southern California Urban Initiative; Co-PI with J. Sellers, Department of Political Science, University of Southern California; \$10,000 2003-2009 Framework for Integrating Geospatial and Online Data to Respond to Unexpected Events National Science Foundation, Information Technology Research Program; Co-PI with C.A. Knoblock & C. Shahabi, Department of Computer Science, University of Southern California; \$1,186,000 003-2008 Green Visions Plan for 21st Century Southern California: A Guide for Habitat, Watershed Management, and Recreational Open Space San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy, Baldwin Hills Conservancy, Coastal Conservancy, and Santa Monica Mountains Conservancy; Co-PI with T.R. Longcore & J. Wolch, Department of Geography, & J. Devinny, Department of Civil and Environmental Engineering, University of Southern California; \$816,500 (multiple awards) 2003-2004 Analysis of Butterfly Survey Data from San Bruno Mountain Habitat Conservation Plan (1982-1997) Thomas Reid Associates, Palo Alto, California; Co-PI with T.R. Longcore, Department of Geography, University of Southern California; \$11,200 2003-2004 Evaluating Dredging and Material Placement Options for Ventura Harbor, California Everest International Consultants, Long Beach, California and U.S. Army Corps of Engineers, Los Angeles District Office; PI; \$50,000 2003 California Regional Sediment Master Plan: GIS System Architecture and Database Design Parsons, Brinckerhoff, Quade and Douglas and U.S. Army Corps of Engineers, Los Angeles District Office; PI; \$74,341 2002-2003 Estimating the Spatial Distribution of Vegetation Cover in the Los Angeles Metropolitan Region University of Southern California, Lusk Center for Real Estate; PI; \$7,500 2002-2003 Development of a Series of Maps of the Los Angeles Metropolitan Region for Growth Visioning Workshops

	Urban Land Institute-Los Angeles and USC Lusk Center for Real Estate; PI; \$24,500
2001-2006	Development of Gazetteer Services and Databases for the Los Angeles Digital Archive University of Southern California, Information Services Division; PI; \$160,000 (multiple awards)
2001-2003	Development of Geographic Search and Query Tools for the USC Digital Archive University of Southern California, Information Services Division; PI; \$33,000
2001-2002	Development of New Methods to Characterize the Sun Exposure and Constitutional Risk Factors Associated with Malignant Melanomas James H Zumberge Interdisciplinary Research Fund; Co-PI with T.M. Mack & M.G. Cockburn, Department of Preventive Medicine, University of Southern California; \$38,500
2001-2002	Predicting Spatial Patterns of Population Growth and Habitat Change in Orange County University of Southern California, Lusk Center for Real Estate; PI; \$5,000
2001-2002	International Symposium on Spatial Statistics, Geographic Information Systems, and Environmental Health James H Zumberge Interdisciplinary Research Fund; Co-PI with R. McConnell, Department of Preventive Medicine, University of Southern California; \$27,630
2000-2002	Toward a Sustainable Los Angeles: A "Nature's Services" Approach John Randolph and Dora Haynes Foundation; Co-PI with S.S. Pincetl and J. Wolch, Department of Geography, University of Southern California; \$379,998
1999-2003	Preparation of Images and Metadata for 1939 Works and Progress Administration Household Survey Census Cards University of Southern California, Information Services Division; PI; \$77,400 (multiple awards)
1999-2001	Modeling Spatial Patterns of Population Growth and Habitat Change James H. Zumberge Faculty Research and Innovation Fund; PI; \$24,987
1998-2005	Modeling the Spatial Pattern and Magnitude of Recreational Boat Traffic in the Sacramento-San Joaquin Delta
	California Department of Boating and Waterways; PI; \$321,580 (multiple awards)
1998-2001	Student Interns: GIS Mapping Support Southern California Association of Governments; PI; \$124,890 (multiple awards)
1998-2000	Modeling the Impact of Different Land Use Policies on Urban Expansion in Southern California, 1986-2010 James H. Irvine Foundation; PI; Subcontract funded as part of "Creative Communities and Urban Futures Project" grant awarded to M.J. Dear, Department of Geography, University of Southern California; \$96,083
1998-1999	Integrating Geographic Databases and Atmospheric Chemical Dispersion Models" U.S. Department of Defense, Defense Advanced Research Projects Agency, Information Technology Office; PI; Subcontract funded as a part of "GeoWorlds Project" grant awarded to R.T. Neches, Information Sciences Institute, University of Southern California; \$75.000)

1997-2001	Development and Evaluation of a Series of Student-centered, WWW-based GIS Teaching Units and Laboratory Exercises U.S. Department of Education, Fund for the Improvement of Secondary and Higher Education; Co-PI with R.J. Aspinall, Geographic Information and Analysis Center, Montana State University, Bozeman, Montana & R.J. Eastman, Graduate School of Geography, Clark University, Worcester, Massachusetts; \$175,000
1997-1999	Development of GIS Data Layers for the Integrated Digital Archive-Information System Los Angeles Project University of Southern California, Information Services Division; PI; \$105,000
1997-1998	Advancing Environmental GIS Hewlett Foundation; PI; \$5,000
997-1998	Preparation of Historical Census and Electoral Geography Data Layers for Los Angeles County John Randolph and Dora Haynes Foundation; PI; Subcontract funded as part of "Race-Ethnicity, and Political Fragmentation in Los Angeles County, 1940-96" grant awarded to P.J. Ethington, Department of History, University of Southern California; \$30,000
1997	Preparation of Selected Land Use and Employment Data Layers for South Bay Economic Region Los Angeles Community Development Commission; PI; Subcontract funded as part of "South Bay Economic Adjustment Plan Project" grant awarded to D. Flaming & M. Drayse, Economic Roundtable, Los Angeles, California; \$21,000
1996-1999	Cartographic Database and Modeling Support for the Southern California Atlas Project (Volumes 1-3) University of Southern California, Southern California Studies Center; PI; \$135,000 (multiple awards)
1995-1998	Distributed Modeling and Classification of Landscapes in the Greater Yellowstone Area National Science Foundation EPSCoR Program; PI; Subcontract funded as part of "Determinants of Biodiversity, Social, and Economic Patterns in Montane Ecosystems" grant awarded to J.D. Stanford, Yellow Bay Biological Station, University of Montana & A.D. Barnosky, Mountain Research Center, Montana State University; \$130,000
1995-1996	Formation of the Montana Local Government GIS Coalition U.S. Geological Survey National Spatial Data Infrastructure Program; PI; \$24,780
1995-1996	Preparation of Arc Macro Language Scripts for Generating and Checking Public Land Survey System and Land Ownership Data Layers U.S. Department of Interior, Bureau of Indian Affairs; PI; \$8,500
1995-1996	Preparation of GPS Road Survey and Selected GIS Data Layers for City of Bozeman and Gallatin County, Montana Gallatin County and Bozeman City-County Planning Board; PI; \$36,500
1995-1996	Preparation of DEM and Climate Data Layers for the Greater Yellowstone Area U.S. Department of Agriculture, U.S. Department of Interior, and Greater Yellowstone Coordinating Committee; PI; \$30,000
1994-1998	Use of Terrain Analysis to Quantify Landscape Patterns in the Greater Yellowstone Area NASA EPSCoR Program; PI; Subcontract funded as part of "Land Use and Wildfire Effects

	on Landscape Patterns and Avian Diversity: A Comparison of the Greater Yellowstone Ecosystem and the Pacific Northwest" grant awarded to A.J. Hansen, Department of Biology, Montana State University; \$35,000
1994-1997	Evaluation of Opportunities for Forecasting Senegalese Grasshopper Infestations U.S. Agency for International Development; Co-PI with W.P. Kemp, U.S. Department of Agriculture-Rangeland Insect Laboratory, Bozeman, Montana and G.B. Popov, London, England; \$77,500
1994-1996	Preparation of Digital Fisheries and Wildlife Databases and Maps Montana Department of Fish, Wildlife and Parks; PI; \$35,000
1994-1995	Development of Terrain Analysis Programs for the Environmental Sciences M.J. Murdock Charitable Trust; PI; \$49,250
1994-1995	Preparation of Digital Land Resource Data Layers for the City of Bozeman Critical Lands Project City of Bozeman Planning Office; PI; \$9,995
1994	Development of Greater Yellowstone Area GIS Teaching Materials: Post-Doctoral Support for Dr. C. Victor Wu Burns Telecommunications Center, Office for Extended Studies and Office of the Vice-President for Research and Creative Activities, Montana State University; PI; \$24,000
993-1995	Evaluation of Temporal and Scale Effects in Solute Transport Models U.S. Department of Agriculture-Cooperative States Research Service; Co-PI with W.P. Inskeep & J.M. Wraith, Department of Plant and Soil Science, Montana State University, \$149,363
1993-1994	Preparation of Digital Soil and Land Cover Data Layers for Gallatin National Forest U.S. Department of Agriculture-Forest Service; PI; \$8,000
1993	Preparation of GIS Base Maps for Bozeman City-County Planning Area from Scanned Aerial Photography City of Bozeman Engineering Department and Montana State University Local Government Center; PI; \$6,000
1992-1995	Development and Testing of Satellite Vegetation Classification Methods in Custer National Forest U.S. Department of Agriculture-Forest Service; Co-PI with G.A. Nielsen, Department of Plant and Soil Science, Montana State University; \$62,000
1992-1994	Is Drought Following the Plow in Less Developed Countries? U.S. Agency for International Development, Program for Science and Technology Cooperation; Co-PI with W.D. Swearingen, Entomology Research Laboratory, Montana State University and A. Bencherifa, Université Mohammed V, Rabat, Morocco; \$148,672
1992-1994	Testing the Drought Follows the Plow Hypothesis in Morocco National Science Foundation, Human Dimensions of Global Change Program; Co-PI with W.D. Swearingen, Entomology Research Laboratory, Montana State University and A. Bencherifa, Université Mohammed V, Rabat, Morocco; \$88,500)
1992-1994	Application of GIS and Geostatistical Modeling Techniques to Support the Sustained

	U.S. Agency for International Development; Co-PI with W.P. Kemp, U.S. Department of Agriculture-Rangeland Insect Laboratory, Bozeman, Montana; \$16,500
1992-1994	Development of Quantitative Landform Descriptions and Soil Models for Yellowstone National Park U.S. Department of Interior-National Park Service, Cooperative Park Studies Unit; Co-Pl
1992-1995	with H.W. Shovic, Yellowstone National Park, Mammoth, Wyoming; \$23,000 Coupling GIS, Digital Terrain Analysis, and Hydrologic Models
1332 1333	Montana Agricultural Experiment Station; PI; \$7,250
1991-1994	Impact of Cropping Systems on Non-point Source Groundwater Pollution U.S. Department of Agriculture-Cooperative States Research Service; Co-PI with J.M. Antle, D. Griffith, J.B. Johnson, Department of Agricultural Economics; J.W. Bauder, & J.S. Jacobsen, Department of Plant and Soil Science, Montana State University; \$110,000
1991-1994	Preparation of Hunting District GIS Data Layers and Maps Montana Department of Fish, Wildlife and Parks; PI; \$14,500
1991-1994	Development of a Land and Microclimate Information System for Groundwater Protection U.S. Department of Agriculture-Cooperative States Research Service; Co-PI with J.S. Jacobsen & G.A. Nielsen, Department of Plant and Soil Science, Montana State University; \$188,523
1991-1992	Hydrologic Characterization of Proposed Downhill Ski Area and Resort Bridger Bowl Ski Area; Co-PI with J. Whittingham, Department of Earth Sciences, Montana State University; \$4,200
1991-1992	Development of Computerized Viewshed Analysis Techniques for the Big Sky Resort Area Ankeny Foundation; Co-PI with D.L. Wittren, Department of Earth Sciences, Montana State University; \$1,420
1990-1996	Instructional Support for GIS Montana State University Computer Fee Allocation Committee; PI; \$74,720 (multiple awards)
1990-1994	GIS Equipment Acquisition in Support of the Geographic Information and Analysis Center at Montana State University M J Murdock Charitable Trust; PI; \$240,000
1990-1994	Classification of Remotely Sensed Imagery and Preparation of Natural Resource and Public Lands Survey System Data Layers and Maps for Selected Indian Reservations U.S. Department of Interior, Bureau of Indian Affairs; PI; \$42,686
1990-1992	Validation of Solute Transport Models for Predicting Pesticide Movement into Groundwater Montana University System Water Resources Center; Co-PI with H. Ferguson, W.P. Inskeep, R.H. Lockerman, & G.A. Nielsen, Department of Plant and Soil Science, Montana State University; \$50,869
1990-1991	Reconciliation of Digital Hydrography and Soil Maps for Valley County, Montana U.S. Department of Interior, Bureau of Land Management; Co-PI with G.A. Nielsen, Department of Plant and Soil Science, Montana State University; \$2,500

1990-1991	Evaluation of PC-based Methods of Terrain Analysis Montana State University High Elevation Studies Program; Co-PI with A.R. Ladson, Department of Earth Sciences, Montana State University; \$1,000
1990-1991	Development of GIS-based Methods for Weed Control and Groundwater Protection Montana Noxious Weed Trust Fund; Co-PI with D. Cooksey, Entomology Research Laboratory; W.P. Inskeep, G.A. Nielsen, Department of Plant and Soil Science; & C.M. Ryan, Geographic Information and Analysis Center, Montana State University; \$13,000
1990-1991	Development of Laboratory Teaching Materials for GIS Instruction Montana State University Teaching/Learning Committee; PI; \$2,000
1989-1992	Development and Testing of New Techniques for the 3-D Representation of Terrain, Soil, and Land Cover Characteristics Montana Agricultural Experiment Station; PI; \$39,267
1989-1991	Development of Topographic Analysis Techniques for the Distributed Hydrological and Erosional Modeling of Landscapes National Science Foundation, Geography and Regional Science Program; Co-PI with I.D. Moore, Centre for Resource & Environmental Studies, Australian National University; \$52,777
1989-1991	Montana STATSGO Database Project U.S. Department of Agriculture-Soil Conservation Service, Extension Service, Rangeland Insect Laboratory, Montana Department of Agriculture and Montana Agricultural Experiment Station; Co-PI with G.A. Nielsen, Department of Plant and Soil Science, Montana State University; \$15,500
1989-1990	Spatial Dimensions of Soil Erosion/Crop Productivity Interactions Montana State University Research/Creativity Program; PI; \$3,000
1989-1990	Erosional Impact of Hikers, Horses, Off-Road Bicycles, and Motorcycles on Mountain Trails U.S. Department of Agriculture-Forest Service, Intermountain Research Station; Co-PI with J.P. Seney, Department of Earth Sciences, Montana State University; \$2,000
1988-1991	GIS Equipment Acquisition to Support Undergraduate Instruction at Montana State University National Science Foundation, Instrumentation and Laboratory Improvement Program; PI; \$74,990
1988-1989	Preparation of Lone Mountain Range Ski Trail Maps Lone Mountain Ranch; Co-PI with J.D. Starkey, Department of Computer Science, Montana State University; \$3,345
1987-1989	Quantifying the Effects of Soil Erosion on Crop Production in the Northern Great Plains National Science Foundation, Geography and Regional Science Program; Co-PI with G.A. Nielsen, Department of Plant and Soil Science, Montana State University; \$70,748
1987	Quantifying Soil Erosion, Sediment Storage, and Sediment Yield in the Pefferlaw Brook Watershed, Ontario, Canada Association of American Geographers; PI; \$250

1986-1987	Computer Simulation Models for Earth Science Instruction Montana State University Technology Core Curriculum Committee; PI; \$3,736
1986-1987	Streambank Erosion and Controls on the North Fork Flathead River Montana Bureau of Mines and Geology; Co-PI with J H Ruth, Department of Earth Sciences, Montana State University; \$6,565
1985	Computer Simulation Models for Earth Science Instruction Montana State University Teaching/Learning Committee; PI; \$1,281

TEACHING

Program and Curriculum Development

Sciences

University of Southern California

niversity of	niversity of Southern California		
2014	Established M.S. in Spatial Informatics with the Data Informatics Program in the Viterbi School of Engineering, drawing on a series of existing courses in Data Informatics as well as six existing GIS&T courses and two new ones focused on spatial computing and spatial internships specially created for this degree program.		
2014	Established Graduate Certificate in Spatial Analytics , based on three new graduate seminars in Spatial Computing, Spatial Analysis and Spatial Modeling.		
2013	Established Ph.D. in Population , Health , and Place , drawing on seven new seminars created specifically for the degree (five in Spatial Sciences, two in Sociology) and a series of existing courses offered by the Department of Preventive Medicine, Keck School of Medicine, and the Department of Sociology, Dornsife College of Letters, Arts and		

- 2014 Established a **GeoHealth track**, based on a series of existing online courses in the Geographic Information Science & Technology Programs, in the Keck School of Medicine's newly established Online Masters in Public Health Program.
- 2014 Prepared Self-Study Report with Susan Kamei for the U.S. Geospatial Intelligence Foundation that led to the accreditation of the University of Southern California's Graduate Certificate in Geospatial Intelligence.
- Established **Graduate Certificate in Geospatial Intelligence**, drawing on one new online course created specifically for this certificate program (SSCI 579-Geospatial Intelligence Tradecraft) and a series of six existing online courses that are part of the Geographic Information Science & Technology Graduate Programs.
- 2013 Established **Graduate Certificate in Geospatial Leadership,** drawing on one new blended course created specifically for this certificate program (SSCI 578-The Practice of Geospatial Leadership) and a series of 11 existing online courses that are part of the Geographic Information Science & Technology Graduate Programs.
- 2012 Established **B.S.** in **GeoDesign**, drawing on seven new undergraduate classes created specifically for this degree (four in Spatial Sciences, three in Architecture) and a series of existing courses offered by the School of Architecture, Department of Sociology, Price School of Public Policy and Spatial Sciences Institute, among others.
- 2012 Established **Minor in Spatial Studies,** drawing on three new undergraduate GIS classes and a series of existing classes offered by multiple schools and departments.

2009	Prepared Substantive Change Report for Western Association of Schools and Colleges Accrediting Commission for the Senior Colleges and Universities that led to the accreditation of the University of Southern California's M.S. in Geographic Information Science & Technology.
2008	Established M.S. in Geographic Information Science & Technology (GIST), drawing on

Established **M.S. in Geographic Information Science & Technology (GIST),** drawing on five online classes specifically created for this purpose and four online classes that were originally created as a part of the Graduate Certificate in Geographic Information Science.

Established **Graduate Certificate in Geographic Information Science & Technology (GIST),** drawing on the nine online classes used to support the GIST M.S. Program.

1999 Established **Graduate Certificate in Geographic Information Science,** drawing on four online classes created specifically for this purpose (the courses were retained but the certificate program itself was revised and renamed in 2009).

1998 Established **Minor in Geographic Information Science** and four new undergraduate classes specifically for this purpose.

Montana State University

2008

1990 Established **Minor in Geographic Information Science** and three new undergraduate classes specifically for this purpose.

Current Courses Taught

University of Southern California

SSCI 265Lg: The Water Planet

SSCI 578#: The Practice of Geospatial Leadership SSCI 579#: Geospatial Intelligence Tradecraft

SSCI 585#: Geospatial Technology Project Management

SSCI 587#: Spatial Data Acquisition

SSCI 600: The Geography of Life and Death SSCI 683: Principles of Spatial Data Analysis

(Classes with the designations L, g, and # refer to lecture classes with an accompanying laboratory component, General Education classes and online classes, respectively)

University of the Chinese Academy of Sciences

CAS 599: Special Topics: Scientific Reading & Writing

Past Courses Taught

University of Southern California

ARCH 517: GeoDesign Practice GEOG 260Lg: Natural Hazards GEOG 265Lg: The Water Planet

GEOG 281Lg: Environmental Applications of Geographic Information Systems

GEOG 482L: Principles of Geographic Information Science

GEOG 483ab: Applied GIS Internship

GEOG 485ab: Directed GIS Research

GEOG 497L: Computer Cartography and Geographic Information Systems

GEOG 501: Geographical Research Design GEOG 587#: GIS/GPS Field Techniques

GEOG 681: Environmental Modeling with GIS

SSCI 588#: Remote Sensing for GIS PLDV 526: Urban Information Systems

(Classes with the designations L, g, and # refer to lecture classes with an accompanying laboratory component, General Education classes and online classes, respectively)

Montana State University

ESCI 500: Research Design Seminar

ESCI 580: Images of Earth

GEOG 101N: Introduction to Physical Geography

GEOG 105S#: World Regional Geography

GEOG 202T#: Resource Geography

GEOG 305: Introduction to Geographic Information Systems

GEOG 330: Agricultural Geography GEOG 400: Geography Colloquium GEOG 402: Geographical Analysis

GEOG 407: Applied Geography

GEOG 411: Advanced Geographic Information Systems

GEOG 422: Environmental Hazards

GEOG 501: GIS and Environmental Modeling

(Classes with the designations N, S, T, and # refer to Natural Science, Social Issues, Technology, and Multicultural Issues General Education classes, respectively)

University of Waikato

16.432: Human Ecology of Natural Hazards

University of Toronto

GGY 100: The Human Environment

Post-Doctoral Fellows and Visiting Scholars Directed

2015-2017	Dr. Loraine A. Escobedo, Spatial Sciences Institute, University of Southern California, Los Angeles, California
2015-2017	Dr. Noli Brazil, Spatial Sciences Institute, University of Southern California, Los Angeles, California
2012-2015	Dr. KyoHyouk Kim, Spatial Sciences Institute, University of Southern California, Los Angeles, California
2011-2012	Dr. Yumin Chen, Spatial Sciences Institute, University of Southern California, Los Angeles, California (Visiting Scholar; Center for Remote Sensing, Wuhan University, Wuhan, China)

2007-2008	Dr. Jingfen Sheng, Department of Geography, University of Southern California, Los Angeles, California
2006-2007	Dr. Zaria Tatalovich, Department of Geography, University of Southern California, Los Angeles, California
2004-2005	Dr. Rania Bou Kheir, Department of Geography, University of Southern California, Los Angeles, California (Visiting Fulbright Scholar; Research Scientist, National Center for Remote Sensing, Lebanese National Council for Scientific Research, Beirut, Lebanon)
1992-1993	Dr. Victor Wu, Department of Earth Sciences, Montana State University, Bozeman, Montana

Dissertations and Theses Directed

XiaoZhe Yin, Ph.D., Geographical Sciences, Chinese Academy of Sciences Dissertation title: *Modeling carbon emissions in Beijing, Tianjin and Hebei Provinces*. (Coadvisor with T.X. Yue).

- Shannon Prescott, M.S., Geographic Information Science and Technology, University of Southern California

 Thesis title: Using geospatial technology to establish marsh bird monitoring sites for a pilot study in Maine in accordance with the National Marsh Bird Monitoring. Program
- Charles M. Hall, M.S., Geographic Information Science and Technology, University of Southern California
 Thesis title: Examining data sources and classification methods used in food access studies: Investigating volunteered geographic information as an adjunct to traditional data.
- Steven Warner, M.S., Geographic Information Science and Technology, University of Southern California
 Thesis title: A geographical assessment of the Santa Monica Mountains North Area Community Standards District Vineyard Ordinance.
- Shanna Bressie, M.S., Geographic Information Science and Technology, University of Southern California
 Thesis title: Spatial patterns of food accessibility across Lane County, Oregon in 2015-2016.
- Christian Alvez, M.S., Geographic Information Science and Technology, University of Southern California
 Thesis title: Modeling prehistoric paths in Bronze Age northeastern England.
- 2016 Brendan Blee, M.S., Geographic Information Science and Technology, University of Southern California

 Thesis title: Creating a geodatabase and web map application to visualize drone legislation in the State of Maryland.
- Krista McPherson, M.S., Geographic Information Science and Technology, University of Southern California
 Thesis title: Assessing the impact of a web-based GIS application to promote earthquake preparation on the University of Southern California University Park campus.

2016	Bennett Gaumitz, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Precision agriculture and GIS: Evaluating the use of yield maps combined with LiDAR data
2016	Alex Schild, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: Archaeological least cost path modeling: A behavioral study of Bronze age travel routes across the Amanus Mountains, Turkey.
2016	Nathan Nowak, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: Species distribution modeling of sperm whale habitat within the central Gulf of Alaska utilizing passive acoustic modeling.
2016	Brian McDonald, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: Dasymetric mapping of building stocks within HAZUS-FL.
2016	Colin Mattison, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Does the Bay area have a social center? Delimiting the postmodern urban center of the San Francisco Bay area.
2016	Joanne Seo, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: An evaluation of Esri's Tapestry Segmentation product in three southern California communities: Manhattan Beach, Santa Monica, and Venice Beach.
2015	Valerie Anderson, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: <i>Historical ecology of the Split Oak forest in east central Florida</i> .
2015	Audra Smolek, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: Spatial distribution of the greater sage-grouse (Centrocerus urophasianus) in the Powder River basin, northeastern Wyoming.
2015	Wayne Chien, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: Geospatial analysis of the Round Fire: Adapting the dNBR to the Sierra Nevada region of California.
2015	David Staffel, M.S., Geographic Information Science and Technology, University of Southern California Thesis title: Cartography for visualizing anthropogenic threats: A semiotic approach to communicating threat information in 3D spatial models.
2015	Annabel Lee Enriquez, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: A contributory web-based application for documenting historic places: French colonial era art deco architecture in Hanoi.

2015	Kaveh Shahabi, Ph.D. Student, Computer Science, University of Southern California Dissertation Title: <i>Scalable evacuation routing in dynamic environments</i> .
2015	Kathy Ulloa, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Exploring the relationship between urban forests and ethnicity in West Covina using GIS and object-based image analysis.
2015	Jenni Dorsey-Spitz, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Modeling contamination of groundwater on Mountain Home, Idaho using the DRASTIC method.
2015	Charles Hanley, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Using VHR multispectral imagery and object-based extraction to discover vernal meadows through vegetative persistence at Fort Ord, California.
2015	Reina Kahn, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Geospatial analysis of unintended casualties during combat training, Fort Drum, New York.
2015	Chad Johnson, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Site location suitability analysis for a smart grid network.
2014	Evan Lue, Ph.D., Geography, University of Southern California Dissertation Title: <i>Defining the geospatial needs of an ubiquitous disaster relief organization.</i>
2014	Jennifer Johnson, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Firing ranges and social capital: Spatial analysis of social capital in Houston, Texas.
2014	Andrew Isner, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Habitat suitability modeling of Mexican Spotted Owl (Strix occidentalis lucida) in Gila National Forest, New Mexico.
2014	Trinka Gillis, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Use of remotely sensed imagery to map sudden oak death (Phytophthora Ramorum) in the Santa Cruz Mountains.
2014	Joshua Harrell, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: An evaluation of soil sampling methods in support of precision agriculture in northeastern North Carolina.
2014	Elisabeth Sedano, Ph.D., Geography, University of Southern California Dissertation Title: Consuming landscape, consuming machine: State, capital, & outdoor advertising in Los Angeles.

2014	Amanda Laur, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Modeling the spatiotemporal variability of solar radiation on buildings: A case study of Lewis Hall.
2013	Amanda Gray, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Spatial delineation of market areas: A proposed approach.
2013	Trang VoPham, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Integrating Landsat and California pesticide exposure estimation at aggregated spatial scales: Accuracy assessment of rurality.
2012	Parisa Ghaemi, Ph.D., Computer Science, University of Southern California Dissertation Title: <i>Generalized optimal location planning</i> .
2012	Stephen Gervais, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Out-of-school suspensions by home neighborhood: A spatial analysis of student suspensions in the San Bernardino City Unified School District.
2012	Jeffry Harrison, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Onshore wind power systems (ONSWPS): A GIS-based tool for preliminary site-suitability analysis.
2012	Holly MacGillivray, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Spatiotemporal patterns of salt and nutrient contamination in Los Angeles County's groundwater basins.
2012	Su Jin Lee, Ph.D., Geography, University of Southern California Dissertation Title: Effects of home modifications and municipal policies on green cover in Los Angeles County.
2011	Kevin Kelly, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: Different geographic representations of Middle America.
2011	Thao Nyugen, Ph.D., Geography, University of Southern California Dissertation Title: <i>Uncertainty in geomorphometry</i> .
2010	Teri L Mooney, M.S., Geographic Information Science and Technology, University of Southern California Thesis Title: <i>Predicting Hydromantes Shastae occurrences in Shasta County, California</i> .
2010	Daniel W Goldberg, Ph.D., Computer Science, University of Southern California Dissertation Title: <i>Spatial approaches to reducing error in geocoded data</i> .
2010	Christina Q Li, Ph.D., Geography, University of Southern California Dissertation Title: Neighborhood green space's impact on residential property Values: Assessing the role of spatial effects.

2007	Jingfen Sheng, Ph.D., Geography, University of Southern California Dissertation Title: Evaluating hydro-climatic systems across large metropolitan regions.
2007	Chona E Sister, Ph.D., Geography, University of Southern California Dissertation Title: Park and open space resources in the Greater Los Angeles Metropolitan Region: Who gets what, where?
2006	Zaria Tatalovich, Ph.D., Geography, University of Southern California Dissertation Title: <i>Spatio-temporal modeling of risk.</i>
2005	Graeme Aggett, Ph.D., Geography, University of Southern California Dissertation Title: Advanced geospatial technologies applied to gravel bed river mapping & modeling.
2005	Yongxin X. Deng, Ph.D., Geography, University of Southern California Dissertation Title: <i>Evaluating input data for DEM-based environmental analysis & classification</i> .
2004	Christine S. Lam, M.S., Geography, University of Southern California Thesis Title: <i>Comparison of Flow Routing Algorithms Used in Geographic Information Systems</i> .
2002	Julie R. Eurek, M.S., Geography, University of Southern California Thesis Title: <i>Modeling recreational boat traffic on the Sacramento-San Joaquin Delta</i> .
2001	Yan Xu, M.A., Geography, University of Southern California Thesis Title: <i>Spatial predictions of population growth and habitat change in the Santa Monica Mountains area, California</i> .
1999	Linda E. Gillett, M.S., Geography, Montana State University Thesis Title: The use of NDVI to characterize drought in the Northern Great Plains, 1988-1993.
1998	Ute Langner, M.S., Geography, Montana State University Thesis Title: GIS-based crop yield and soil productivity modeling.
1996	Jonathan M. Wheatley, M.S., Geography, Montana State University Thesis Title: <i>Using terrain attributes to assist remote sensing vegetation mapping of Northern Great Plains grasslands.</i>
1996	Sara T. Stillman, M.S., Geography, Montana State University Thesis Title: A comparison of three automated precipitation simulation models: ANUSPLIN, MTCLIM-3D, and PRISM.
1996	Philip L. Repetto, M.S., Geography, Montana State University Thesis Title: <i>Revised universal soil loss equation: Estimation at the landscape scale using GIS.</i>
1995	Damian J. Spangrud, M.S., Geography, Montana State University Thesis Title: <i>Sensitivity of selected soil and terrain attributes to variations in the number and pattern of input data.</i>
1994	Douglas L. Wittren, M.S., Geography, Montana State University Thesis Title: A viewshed information system for mountain resort areas.

- 1994 Wendi A. Urie, M.S., Geography, Montana State University
 Thesis Title: Environmental factors influencing recreational trail condition.
- Janelle K. Jersey, M.S., Soil Science, Montana State University
 Thesis Title: Assessing the vegetation and hydrologic characteristics of a semi-arid environment using geographic information systems and terrain-based models (Co-Advisor with J.S. Jacobsen).
- Joseph P. Seney, M.S., Geography, Montana State University
 Thesis Title: *Erosional Impact of Hikers, Horses, Off-Road Bicycles, and Motorcycles on Mountain Trails*.
- John C. Pings, M.S., Geography, Montana State University
 Thesis Title: Spatial variability of soil redistribution processes in a small agricultural watershed.
- 1989 Kristen E.S. Gerhart, M.S., Geography, Montana State University
 Thesis Title: Evaluating the performance of the soil productivity index model in Cascade
 County, Montana.
- John H. Ruth, MS, Geology, Montana State University
 Thesis Title: An assessment of streambank erosion along the North Fork Flathead River.

External Ph.D. Examiner

- 2016 Anand Sookun, Ph.D., Department of Mathematics, University of Mauritius Dissertation title: *A geostatistical and GIS-based approach to study the carbon budget and carbon footprint of Mauritius.*
- Janet Louise Stein, Ph.D., Centre for Resource & Environmental Studies, Australian National University
 Dissertation Title: A continental scale landscape framework for systematic conservation planning for Australian rivers & streams.
- John Dymond, D.Sc., Department of Geography, University of Canterbury
 Dissertation Title: *The role of remote sensing technologies & environmental monitoring in land resource management.*
- Daryl Mummery, Ph.D., School of Geography & Environmental Studies, University of Tasmania

 Dissertation Title: The application of landscape, productivity, & environmental modeling to improve plantation site selection and yield prediction.

Short Courses and Workshops Taught

- 2008 Introduction to GIS & Spatial Analysis

 Two-week short course offered as part of the Annenberg Summer Institute in Methods and Statistics, Annenberg School of Communications & Journalism, University of Southern California, Los Angeles, California.
- 2006 Modeling & Spatial Simulation: Definitions, Calibrations, Visualizations, & Applications
 Five-day short course offered with M. Batty as part of Fourth Annual Summer School on
 Geographic Information Science, Vespucci Initiative for the Advancement of Geographic
 Information Science; Florence, Italy.

2002-2005 Terrain Analysis: Principles and Applications Full-day workshop offered four times at Annual International Esri User Conference, San Diego, California. 2001 Terrain Analysis: Principles and Applications Half-day workshop offered at Annual International Esri User Conference, San Diego, California. Introduction to ArcView GIS 1996-2003 Two-day workshop offered seventeen times at University of Southern California, Los Angeles, California. 1996 Terrain Analysis Methods for Environmental Characterization and Modeling One-day workshop offered with J.C. Gallant at Third International Conference Integrating GIS and Environmental Modeling, Santa Fe, New Mexico. 1996 *Introduction to Arc/Info* Five-day workshop offered at Montana State University, Bozeman, Montana. 1996 Introduction to ArcView GIS Two-day workshop offered at Fort Lewis College, Durango, Colorado. 1995 Reinventing Local Government with GIS One-day workshop offered with J. Magnant at Seventh Annual Montana GIS Conference, Helena, Montana. 1995 Introduction to ArcView GIS Two-day workshop offered at Equitable Resources Inc., Billings, Montana. 1994-1997 Introduction to ArcView GIS Two-day workshop offered five times at Montana State University, Bozeman, Montana. 1994-1995 Introduction to ArcCAD Three-day workshop offered three times at Montana State University, Bozeman, Montana. 1994 Local Government GIS Applications One-day workshop offered with J. Magnant at Sixth Annual Montana GIS Conference, Kalispell, Montana. 1994 Introduction to ArcCAD Three-day workshop offered at City of Pocatello, Idaho. 1994 Introduction to ArcCAD Three-day workshop offered at Power Engineers, Boise, Idaho. 1993-1995 Introduction to PC Arc/Info Five-day workshop offered four times at Montana State University, Bozeman, Montana. 1993 Geographic Information Systems for Weed Control and Groundwater Protection Half-day workshop offered with D. Cooksey & W.P. Inskeep at Annual Meeting of Montana County Weed Supervisors, Bozeman, Montana. 1992-1995 **Precision Farming Applications of GIS** Two-hour workshop offered four times with D. Griffith as part of Montana State University Crop and Pest Management School, Bozeman, Montana.

1992	Precision Farming Applications of GIS Two-hour workshop offered with L.W. Carstensen & C.M. Ryan as part of Montana State University Crop and Pest Management School, Bozeman, Montana.
1992	Terrain Analysis and Geographic Information Systems Half-day workshop offered with M. Blongewicz, J.K. Jersey, &d D.L. Wittren at Fifth Annual Montana GIS Conference, Butte, Montana.
1992	Remote Sensing and Geographic Information Systems Half-day workshop offered with C. Benkelman, R. Behrendt, & J.K. Jersey at Fifth Annual Montana GIS Conference, Butte, Montana.
1991-1995	Introduction to PC Arc/Info Three-day workshop offered seven times at Montana State University, Bozeman, Montana.
1991	Teaching GIS Half-day workshop offered with K.K. Kemp, G.L. Benwell, J. Strobl, & N. Waters at GIS/LIS '91 in Atlanta, Georgia.
1990	Geographic Information Systems and Applications Two-day workshop offered with D.J. Unwin at University of Waikato, Hamilton, New Zealand.
1990	Introduction to GIS Half-day workshop offered with D.J. Unwin at Waikato Regional Council, Hamilton, New Zealand.
1990	Introduction to GIS One-day workshop offered at Montana State University, Bozeman, Montana in conjunction with Western Planning Association Conference.

PROFESSIONAL SERVICE

International

2017	Member, Program Committee, Second International Conference on GIS and Remote Sensing, Munich, Germany
2016-2017	Member, Program Committee, Ninth International Conference on Advanced Geographic Information Systems, Applications, and Services, Nice, France
2015-2016	Member, Scientific Program Committee, Seventeenth International Symposium on Spatial Data Handling, Beijing, China
2015-2016	Member, Scientific Program Committee, Ninth International Conference on Geographic Information Science (GIScience 2016), Montreal, Quebec
2015-2016	Member, Program Committee, Eighth International Conference on Advanced Geographic Information Systems, Applications, and Services, Venice, Italy
2014-2015	Co-organizer and Chair, Educational Pre-Summit Forum, 2015 Geodesign Summit, Redlands, California
2014-2015	Member, Scientific Program Committee, Fifth International Geomorphometry Symposium, Poznan, Poland
2014-2015	Member, Scientific Program Committee, GIS Ostrava: Surface Models for Geosciences Conference, Ostrava, Czech Republic

2014-2015	Member, Scientific Advisory Committee, Thirteenth International Conference on Geo- Computation, Dallas-Fort Worth, Texas
2014	Member, Scientific Program Committee, Second International Conference on CyberGIS & Geodesign, Redlands, California
2014	Member, International Program Committee, IASTED International Conference on Environmental Management & Engineering, Banff, Canada
2014	Co-Chair, Scientific Steering Committee, International Conference of Geo-Process Modeling in Virtual Geographic Environments: Managing & Sharing Geographic Knowledge, Hong Kong
2013-2014	Member, Scientific Program Committee, Eighth International Conference on Geographic Information Science (GIScience 2014), Vienna, Austria
2012-2013	Member, Scientific Program Committee, Fourth International Geomorphometry Symposium, Nanjing, China
2012-2013	Co-organizer and Chair, Vespucci Workshop on Population, Health & Place, Boone Center for Environmental Leadership, Catalina Island, California
2012-2013	Member, Scientific Program Committee, Twelfth International Conference on Geo- Computation, Wuhan, China
2011-2020	Member, Editorial Board, <i>Journal of Geospatial Information Science</i> (Wuhan University/ Taylor and Francis)
2011-2012	Member, Program Committee, Seventh International Conference on Geographic Information Science (GIScience 2012), Columbus, Ohio
2011-2012	Member, Steering Committee, Surface Models for the Geosciences, Ostrava-Poruba, Czech Republic
2010-2011	Co-Organizer & Chair, Third International Geomorphometry Symposium, Redlands, California
2010-2011	Member, Steering Committee, Nineteenth International Conference on Geoinformatics, Shanghai, China
2009-	Member, Advisory Board, International Collaborative Center for Geo-computation Studies (ICCGS), Wuhan University, Wuhan, China
2009-2010	Member, New Zealand Master's GIS Programme Advisory Board
2009-2010	Member, Steering Committee, Eighteenth International Conference on Geoinformatics, Beijing, China
2009-2010	Member, Program Committee, IASTED International Conference on Water Resources Management, Garbone, Botswana
2008-2009	Member, Scientific Committee, Second International Geomorphometry Conference, Zurich, Switzerland
2007-2008	Member, Program Committee, IASTED Environmentally Sound Technology in Water Resource Management Conference, Garbone, Botswana
2006-2010	Member, Board of Trustees, Centre for Geographic Information Systems, University of Benin, Benin City, Nigeria
2006-2007	Chair, IASTED International Conference on Water Resources Management, Honolulu, Hawaii
2006-2007	Chair, IASTED International Conference on Environmental Modeling & Simulation, Honolulu, Hawaii
2006	Organizer and Chair, UNIGIS International Network Annual Business Meeting, Los Angeles, California
2005-2006	Member, Program Committee, IASTED Environmental Modeling and Simulation Conference, St. Thomas, U.S. Virgin Islands

2005-2006	Member, Program Committee, International Symposium on Digital Terrain Analysis & Terrain Modeling, Nanjing, China
2005-2006	Member, Program Committee, IASTED Environmentally Sound Technology in Water Resource Management Conference, Garbone, Botswana
2004	Member, Program Committee, IASTED Environmental Modeling & Simulation Conference, St. Thomas, U.S. Virgin Islands
2004	Member, Program Committee, GIScience 2004 Conference, College Park, Maryland
2002-2006	Member, Editorial Board, "Mastering GIS: Technology, Applications, & Management" Book Series, John Wiley and Sons
2002	Member, Program Committee, Open Source GIS-GRASS User's Conference, Trento, Italy
1998	Member, Steering Committee, Status and Trends in Spatial Analysis Workshop, Santa Barbara, California
1996	Co-Organizer, Terrain Analysis Methods for Environmental Characterization & Modeling Workshop, Third International Conference Integrating GIS & Environmental Modeling, Santa Fe, New Mexico
1995-1996	Member, Program Committee, Third International Conference Integrating GIS & Environmental Modeling, Santa Fe, New Mexico
1995	Guest Editor, GIS and Environmental Modeling Special Issue (Vol. 9, Issue No. 4), International Journal of Geographic Information Systems
1992-2001	Member, Editorial Board, Applied Geography, Butterworth-Heinemann
National	
2016-2017	Organizer, Transactions in GIS Plenary, Annual Meeting of the Association of American Geographers, San Francisco, California (Jeremy Mennis, Temple University, featured speaker)
2015-2016	Organizer, Transactions in GIS Plenary, Annual Meeting of the Association of American Geographers, San Francisco, California (Amy Lobben, University of Oregon, featured speaker)
2015	Member, Program Committee, Second Workshop on Privacy in Geographic Information Collection and Analysis, Twenty-third Annual ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Seattle, Washington
2014-2015	Organizer, Transactions in GIS Plenary, Annual Meeting of the Association of American Geographers, Tampa Bay, Florida (Timothy Nyerges, University of Washington, featured speaker)
2014-2015	Member, Nominations Committee, University Consortium for Geographic Information Science
2014	Member, Program Committee, GeoPrivacy: The First Workshop on Privacy in Geographic Information Collection and Analysis, Twenty-second Annual ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, Dallas, Texas
2013-	Member, WorldMap Advisory Committee, Center for Geographic Analysis, Harvard University
2013-2020	Member, Editorial Board, Association of American Geographers Review of Books
2013-2015	Chair, Geographic Information Science & Technology Body of Knowledge 2.0 Task Force, University Consortium of Geographic Information Science
2013-2014	Organizer, Transactions in GIS Plenary, Annual Meeting of the Association of American Geographers, Tampa Bay, Florida, (Sean Ahearn, Hunter College, City University of New York, Brandon Plewe, Brigham Young University, & Andre Skupin, San Diego State University, featured speakers)

2013-2014	Member, GIScience, GIS, and Public Policy Organizing Committee, Annual Meeting of the Association of American Geographers, Tampa Bay, Florida
2013-2014	Co-Organizer (with Sarah Battersby, University of South Carolina), 2014 University Consortium for Geographic Information Science Symposium, Pasadena, California
2013	Member, Nominations Committee, University Consortium for Geographic Information Science
2012-2014	Member, Accreditation Task Force, University Consortium for Geographic Information Science
2012-2013	Organizer, Transactions in GIS Plenary, Annual Meeting of the Association of American Geographers, Los Angeles, California (Daniel Sui, Ohio State University, featured speaker)
2012-2014	Member, Geography and Spatial Sciences Senior Review Panel, National Science Foundation
2012-2013	Member, Local Organizing Committee, Annual Meeting of the Association of American Geographers, Los Angeles, California
2011-2012	Member, Accreditation Task Force, University Consortium for Geographic Information Science
2011-2012	Organizer, Transactions in GIS Plenary, Annual Meeting of the Association of American Geographers, New York, New York (Kathleen Stewart, University of Iowa, featured speaker)
2011	Ad-Hoc Member, Population Sciences and Epidemiology Integrated Review Group, Social Sciences and Population Studies Study Section
2010-2011	Member, Nominations Committee, University Consortium for Geographic Information Science
2007-2010	Treasurer, University Consortium for Geographic Information Science
2007-2008	Chair, Nominations Committee, University Consortium for Geographic Information Science
2007-2008	Past-President, University Consortium for Geographic Information Science
2006-2009	Member, External Advisory Board, Decision Center for a Desert City (DCDC), Arizona State University, Tempe, Arizona
2006-2009	Member, Editorial Board, Annals of the Association of American Geographers
2006-2007	Member, Committee on Research Priorities for the United States Geological Survey Center of Excellence for Geospatial Information Science, Mapping Science Committee, Board on Earth Sciences and Resources, National Research Council
2006-2007	President, University Consortium for Geographic Information Science
2006	Member, Education Award Subcommittee, University Consortium for Geographic Information Science
2006	Organizer, Green Visions Plan for 21 st Century Southern California Sessions, Annual Meeting of the Association of American Geographers, Chicago, Illinois
2005-2006	President-Elect, University Consortium of Geographic Information Science
2004	Member, Executive Director Search Committee, University Consortium of Geographic Information Science
2003-2005	Member, Research Projects Committee, University Consortium for Geographic Information Science
2003	Organizer, University Consortium for Geographic Information Science Summer Assembly, Asilomar, California
2002-2005	Member, Board of Directors, University Consortium for Geographic Information Science
2002-2005	Chair, Research Committee, University Consortium for Geographic Information Science

1999-2000	Member, Instrumentation Program Panel, Division of Behavioral and Cognitive Sciences, National Science Foundation
1998	Judge, Student Poster Competition Sponsored by the Cartography, Geographic Information Systems and Remote Sensing Specialty Groups, Annual Meeting of the Association of American Geographers, Boston, Massachusetts
1996-1998	Member, Geographic Information Science Core Curriculum Editorial Committee, National Center for Geographic Information and Analysis, University of California at Santa Barbara
1996-1998	Secretary/Treasurer, Geographic Information Systems Specialty Group, Association of American Geographers
1995-1997	Member, Doctoral Dissertation Awards Panel, Geography and Regional Science Program, National Science Foundation
1993	Member, U.S. Department of Agriculture-Cooperative States Research Service Facility Review Team, College of Agriculture, New Mexico State University, Las Cruces, New Mexico
1990	Organizer, "Young Scholars in Applied Geography" Session, Annual Meeting of the Association of American Geographers, Toronto, Ontario
1989-1991	Member, Soil Resources Variability Workgroup, Workshop on Research and Development Issues in Soil Specific Crop Management, U.S. Department of Agriculture-Agricultural Research Service, Cooperative States Research Service and Soil Conservation Service, and the College of Agriculture, University of Minnesota, Bloomington, Minnesota
1989-1991	Chair, Applied Geography Specialty Group, Association of American Geographers
1990 1989	Co-Organizer, Precision Farming in the 90's Workshop, Power, Montana Co-Organizer, Greater Yellowstone Ecosystem Modeling Workshop, Montana State
	University, Bozeman, Montana
1988-1990	Member, Phoenix Research Career Seminar, Association of American Geographers
1988-1989	Editor, Applied Geography Specialty Group Newsletter, Association of American Geographers
1986-1991	Chair, Nominations and Elections Committee, Applied Geography Specialty Group, Association of American Geographers
1986-1989	Member, Board of Directors, Applied Geography Specialty Group, Association of American Geographers
1985	Program Chair, Annual Meeting of the Great Plains/Rocky Mountain Division, Association of American Geographers, Bozeman, Montana

State / County

2013	-2014	Chair, Organizing Committee, Fourth Annual Los Angeles Geospatial Summit
2012	-2013	Chair, Organizing Committee, Third Annual Los Angeles Geospatial Summit
2011	-2012	Chair, Organizing Committee, Second Annual Los Angeles Geospatial Summit
2010	-2011	Chair, Organizing Committee, First Annual Los Angeles Geospatial Summit
19	96	Member, Montana Department of Administration Parcel Mapping Coordinator Search
		Committee
19	96	Organizer, Reinventing Local Government with GIS Workshop, Eighth Annual Montana
		GIS Conference, Helena, Montana
19	95	Organizer, Local Government GIS Applications Workshop, Seventh Annual Montana GIS
		Conference, Kalispell, Montana
19	94	Guest Editor, Vol. 4, Issue No. 1, Montana Policy Review (Local Government Applications

4004	of GIS, Special Issue)	
1991	Organizer and Chair, Fourth Annual Montana GIS Conference Organizing Committee,	
1990-1996	Bozeman, Montana Member, Montana Interagency GIS Management Steering Committee	
1989	Organizer, "Geographic Information Systems: Innovative Applications and Diverse	
1303	Capabilities" Session, Second Annual Montana GIS Conference, Billings, Montana	
1988-1992	Member, Montana State Mapping Advisory Committee	
1988-1989	Member, Montana Interagency GIS Technical Steering Committee	
University		
University of S	outhern California	
2015-2016	Member, Joint Provost-Academic Senate Committee on Information Services	
2015	Member, USC School of Pharmacy Online Program Review Committee	
2013-2014	Member, Faculty Advisory Task Force on Opportunities for Place-Based Research	
2012 2012	Within USC Target Communities	
2012-2013	Member, Multimedia Scholarship Advisory Committee	
2012-2013 2010-2013	Chair, GeoDesign Academic Program Advisory Committee Member, Research Committee	
2009-2010	Member, Learning Environments Task Force	
2009-2010	Chair, Spatial Sciences Faculty Advisory Committee	
2006-2007	Member, Social Science Data Librarian Search Committee	
2004-	University Ambassador	
2003-2004	Member, VKC Applied Social Sciences Library Redesign Task Force	
2002-2004	Marshall, University of Southern California Commencement	
2002-2003	Chair, Joint Provost-Academic Senate Distance and Distributed Learning Committee	
2002-2003	Member, E-Mail Retention and Archiving Committee	
2002-2003	Member, Lusk Real Estate Center Research Committee	
2002	Member, Organizing Committee, GIS and Spatial Statistics in Environmental	
2000 2002	Epidemiology Workshop, Pasadena, California	
2000-2002	Member, Joint Provost-Academic Senate Distance Education and Distributed Learning Committee	
1998-	Lead Delegate, University Consortium of Geographic Information Science	
1998-2005	Faculty Affiliate, Lusk Real Estate Center	
1998-2002	Member, Distance Education Curriculum Committee	
1997-	Lead Delegate, UNIGIS International Network	
1997-1999	Member, Integrated Digital Archives/Information System Los Angeles Executive	
	Committee	
1997-1998	Member, Graduate and Professional Studies Curriculum Committee	
USC Dana and David Dornsife College of Letters, Arts and Sciences		
2016-2017	Member, Search Committee, Wrigley Institute for Environmental Studies Director	
2014-	Member, Environmental Studies Program Advisory Committee	
2014-	Member, Wrigley Marine Science Center Research Advisory Committee	
2014-	Member, Interdisciplinary Archaeology Program Advisory Committee	
2013-	Member, Population Research Center Internal Advisory Committee	
2013-2015	Member, Environmental Sustainability Task Force	
2011-2013	Member, Non-Tenure Track (NTT) Promotions and Appointments Committee	
2010-2013	Member, Albert S. Raubenheimer Award Review Committee	

2008-2010	Member, Wrigley Institute for Environmental Studies Strategic Planning Advisory
2008-2010 2006-2007 2005-2006 2004-2005 1998-2001 1997-2001 1997-1998 Department of	Member, Wrigley Institute for Environmental Studies Oversight & Resources Committee Member, Department of Earth Sciences Climate Faculty Search Committee Chair, Social Sciences Personnel Committee Member, General Education Program Review Committee Member, Environmental Studies Program Advisory Board Faculty Affiliate, Environmental Studies Program Member, Academic Computing and Technology Committee
2006-2007	Chair, Faculty Review Committee
2006-2007 2005-2007	Chair, Urban Environmental Faculty Search Committee
2005-2007	Director, Graduate Studies Chair, Faculty Review Committee
2005-2006	Chair, GIS and Health Faculty Search Committee
2004-2005	Chair, Faculty Review Committee
2002-2003	Chair, Faculty Review Committee
1998	Member, Administrative Assistant II Search Committee
1997-1998	Chair, GIS Research Faculty Search Committee
1997-1998	Member, Faculty Review Committee
Department of	
2017-2018	Chair, Promotion and Tenure Committee
2016-2017	Member, Sociology and Centers Integration Committee
2016-2017 2013-2014	Member, Website and Wiki Committee
2013-2014	Chair, Faculty Review Committee Chair, Quantitative Social Demography Faculty Search Committee
2013-2014	Chair, Space Policy Committee
2013-2014	Member, Website Committee
School of Interi	national Relations
2015-2016	Member, Spatial Analysis/International Affairs Faculty Search Committee
Spatial Sciences	s Institute
2013	Chair, Assistant Professor (Research) Search Committee
2013	Chair, Project Manager Search Committee
2013	Chair, Associate Director Search Committee
2012	Chair, GIS Programmer I Search Committee
2012	Chair, Spatial Sciences Post-Doctoral Fellow Search Committee
2012	Chair, GIS Project Specialist Search Committee
2010-2017	Chair, GIS&T Faculty Search Committee
2010-2011	Member, Secretary II Search Committee
	ol of Medicine, Department of Preventive Medicine
2014-2015	Member, Environmental Health Community Outreach & Engagement Faculty Search
2011	Committee Mambar California Environmental Health Sciences Center Evecutive
2011-	Member, Southern California Environmental Health Sciences Center Executive Committee
	Committee

USC Price School of Public Policy

2017- Member, Neighborhood Data for Social Change Initiative Steering Committee, Sol Price

Center for Social Innovation

USC School of Architecture

2014-2015 Member, Urban Spatial Ecology Faculty Search Committee

Montana State University

1995-1999	Faculty Affiliate, Mountain Research Center
1995-1997	Member, Mountain Research Center Faculty Advisory Council
1993-1995	Member, University Computer Policy Committee
1985	Member, World Population Day Planning Committee

MSU Department of Earth Sciences

Chair, Promotion and Tenure Committee
Chair, Urban/Economic Geography Faculty Search Committee
Member, Administrative Assistant Search Committee
Member, Promotion and Tenure Committee
Chair, Geography Graduate Program Committee
Member, Cultural/Historical Geography Search Committee

MSU Geographic Information and Analysis Center

1993	Chair, Post-Doctoral Fellow Search Committee
1993	Chair, Administrative Assistant Search Committee

1989-1996 Chair, Geographic Information and Analysis Center Advisory Board

ACADEMIC REVIEWS

Academic Journal Reviews

Air Quality, Atmosphere, and Health

American Entomologist

Annals of Epidemiology

Annals of the Association of American Geographers

Applied Geography

Building and Environment

Canadian Journal of Soil Science

Catena

Computers and Geosciences

Computers, Environment, and Urban Systems

Earth Science Informatics

Earth Surface Processes and Landforms

Ecohydrology

Environment and Planning A

Environmental Management

Environmental Modeling and Software

Environmental Monitoring and Assessment

Environmental Science and Technology

Geographical Analysis

Geography Compass

GeoJournal

Hydrological Processes

Hydrology and Earth System Sciences

International Journal of Applied Earth Observation and Geoinformation

International Journal of Geographical Information Science

Journal of Environmental Management

Journal of Environmental Quality

Journal of Geographical Systems

Journal of Hydraulic Engineering

Journal of Hydrology

Journal of the American Water Resources Association

Journal of Soil and Water Conservation

Mountain Research and Development

Physical Geography

Photogrammetric Engineering and Remote Sensing

PLOS One

Progress in Physical Geography

Soil Science Society of America Journal

Transactions on Spatial Algorithms and Systems

Water Resources Bulletin

Water Resources Research

Academic Program Reviews

2015	Master Program in Geographic Information Systems & Science & Geospatial Intelligence
	Certificate Program, Information Management School, Universidade NOVA de Lisboa
2015	School of Pharmacy, University of Southern California
2012	Center for Geographic Analysis, Harvard University
2007	Department of Geosciences, University of Texas at Dallas
2007	Applied Geosciences & GIS Master's Program, Department of Earth & Environmental
	Sciences & Department of Geography, Kuwait University, Kuwait City, Kuwait
2001	National Environmental Satellite, Data, & Information Service Science Programs,
	National Oceanic & Atmospheric Administration, Washington, D.C.

Book Manuscripts and Proposals

Blackwell Science
British Society for Geomorphology
Elsevier Science/Academic Press
John Wiley and Sons
McGraw-Hill Publishing
Oxford University Press
Routledge
Sage Publications
Saunders College Publishing
Springer

Taylor and Francis

Promotion and Tenure Reviews

Arizona State University

Australian National University

Bowling Green State University

Florida State University

Hong Kong Baptist University

Hunter College, City University of New York

San Francisco State University

State University of New York at Buffalo

Temple University

Texas A&M International University

Texas A&M University, Corpus Christi

Texas State University

The Ohio State University

University of California, Berkeley

University of California, Santa Barbara

University of Canberra (Australia)

University of Colorado, Boulder

University of Connecticut

University of Georgia

University of Idaho

University of Maryland, College Park

University of Oregon

University of South Carolina

University of South Florida

University of Waterloo (Canada)

University of Wisconsin, Madison

University of Wisconsin, Milwaukee

Proposal Reviews

American Association for the Advancement of Science

King Adbulaziz Program for Science and Technology

California State University Agricultural Research Institute

Canada Foundation for Innovation

Leaders Opportunity Fund

CRDF Global

Indo-US Science and Technology Forum

Montana Agricultural Experiment Station

National Geographic Society

National Institutes of Health

Social Sciences and Population Studies Study Section

National Oceanic and Atmospheric Administration Science Advisory Board

National Science Foundation

Archaeology Program

Career Awards Program

Conservation Biology Program

Division of Behavioral and Cognitive Sciences Instrumentation Program

Environmental Geochemistry and Biogeochemistry Program

Geography and Regional Science Program

Geography and Spatial Sciences Program

Geology and Paleontology Program

Human Dimensions to Global Change Program

Hydrologic Sciences Program

Instrumentation and Laboratory Improvement Program

Small Business Innovative Research Program

Natural Environment Research Council (UK)

New Investigator Scheme

Natural Sciences and Engineering Research Council of Canada

Discovery Grants Program

Royal Society of New Zealand

Marsden Fund

Singapore National Research Foundation

Competitive Research Program

South Carolina Space Grant Consortium

Research and Education Awards Program

University of Southern California

Center for Scholarly Technology Barn Raising, Curriculum Design, and Jumpstart Programs

James H. Zumberge Faculty Research and Innovation Fund

Southern California Environmental Health Sciences Center

University of Wisconsin-Milwaukee

Research Growth Initiative Program

U.S. Department Agriculture-Cooperative States Research Service

Fund for Rural America Program

Soils and Soil Biology Program

Water Processes and Water Resources Program

Wisconsin Sea Grant Program

PROFESSIONAL CERTIFICATIONS

1994-2003	Certified ArcView Instructor, Esri, Inc., Redlands, California
1993-1998	Certified ArcCad Instructor, Esri, Inc., Redlands, California
1990-1998	Certified PC Arc/Info Instructor, Esri, Inc., Redlands, California

PROFESSIONAL SOCIETY MEMBERSHIPS

Association of American Geographers Association of Pacific Coast Geographers Los Angeles Geographical Society National Geographic Society

Dr. John P. Wilson Last updated, 24th March, 2017