

## CURRICULUM VITAE

**DANIEL Z. SUI**

*Professor of Geography and  
Distinguished Professor of Social & Behavioral Sciences  
Chair, Department of Geography  
Director, Center for Urban and Regional Analysis (CURA)  
The Ohio State University  
Columbus, OH 43210-1361, U.S.A.*

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### *Campus Address*

Department of Geography  
*The Ohio State University*  
Columbus, OH 43210-1361

☎ (614) 688-5441

Fax (614) 292-6213

E-mail: [sui.10@osu.edu](mailto:sui.10@osu.edu)

Web Site: <http://cura.osu.edu>

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## EDUCATION

**Ph.D.**, 09/12/1989--06/12/1993

Department of Geography  
University of Georgia  
Athens, GA 30602

Ph. D. Dissertation: *GIS-Based Spatial Analysis, Modeling, and Simulation: A Case Study on the Changing Urban Spatial Structure of Hong Kong, 1966-2006*

**Master of Science**, 09/07/86--06/15/89

Institute of Remote Sensing & GIS  
Peking University

Beijing 100871, P.R. China

M.S. Thesis: *Urban Land Value and Development Scenario Evaluation Using Geographic Information Systems: A fuzzy-set approach*

**Bachelor of Science** (with high honor), 09/02/82--06/15/86

Department of Geography  
Peking University  
Beijing 100871, P.R. China

B.S. Thesis: *Spatial-Temporal Variation of Karst Landforms in Shanxi Plateau, Shanxi, China*

## EMPLOYMENT HISTORY

**Chair**, 07/01/2011 – present. Department of Geography, The Ohio State University, Columbus, OH 43210

**Professor of Geography and Distinguished Professor of Social & Behavioral Sciences, Director**, 07/01/2009 – present. Center for Urban and Regional Analysis (CURA) and Department of Geography, The Ohio State University, Columbus, OH 43210

**Professor of Public Health**, 04/01/2010 – present, College of Public Health, The Ohio State University, Columbus, OH 43210 [courtesy appointment]

**Professor of City & Regional Planning**, 04/01/2010 – present, Knowlton School of Architecture, The Ohio State University, Columbus, OH 43210 [courtesy appointment]

**Professor of Public Affairs**, 04/15/2010 – present, John Glenn School of Public Affairs, The Ohio State University, Columbus, OH 43210 [courtesy appointment]

**Assistant Vice President for Research and Director** for Geospatial Information Science and Technology (GIST), 10/01/2004 – 06/30/2009, Texas A&M University, College Station, Texas 77843

**Professor**, 09/01/2002 – 06/30/2009, Department of Geography, Texas A&M University, College Station, Texas 77843-3147

**Holder of the Reta A. Haynes Endowed Chair in Geosciences**, 2001- 2009, College of Geosciences, Texas A&M University, College Station, Texas 77843-3147

**Senior Visiting Scientist**, 01/15/2007 – 05/15/2007, The U.S. Centers for Disease Control and Prevention (CDC), Atlanta, Georgia.

**Adjunct Professor**, 10/01/2005 – 06/30/2009, Department of Epidemiology and Biostatistics, School of Rural Public Health, Texas A&M Health Science Center, College Station, Texas 77843.

**Senior Faculty Research Fellow**, 01/01/1994 – 06/30/2009, the UN-sponsored Hazard Recovery and Reduction Center (HRRC), Texas A&M University, College Station, Texas 77843

**Adjunct Professor**, 09/01/2002 – present, College of Environmental Sciences, Peking University and Peking University Shenzhen Graduate School, P.R. China

**Adjunct Professor**, 01/14/2004 – present, School of Resources Science and Technology, Beijing Normal University, P.R. China

**Visiting Professor**, Department of Geography and the National Center for Geographic Information and Analysis (NCGIA), University of California, Santa Barbara. Spring 2001.

**Visiting Senior Research Scientist**, FAO-GIS Center, Department of Sustainable Development, The Food and Agricultural Organization of the United Nations. Rome, Italy. November 29, 2000 - February 28, 2001.

**Associate Professor with Tenure at Texas A&M University**, 09/01/1997 – 05/30/2002, Graduate Program Director (1997-2000), Department of Geography, Texas A&M University, College Station, Texas 77843-3147

**Tenure-Track Assistant Professor at Texas A&M University**, 09/01/1993 – 05/30/1997, Department of Geography, Texas A&M University, College Station, Texas 77843-3147

**Senior Faculty Research Fellow**, 01/15/1995 – present, Race and Ethnic Studies Institute, Texas A&M University, College Station, Texas 77843.

**Teaching/Research Assistant**, 09/14/1989 – 06/12/1993, Department of Geography, The University of Georgia, Athens, GA 30602.

**Research Assistant (part time)**, 10/01/1992 – 07/15/1993, for research contract awarded to The University of Georgia's Small Business Development Center (SBDC) by the U.S. Department of Agriculture to study the dynamics of small business development in rural Georgia.

**Research Assistant (full time)**, Summer 1992, for a research contract awarded to Professors C.P. Lo and Louis De Vorsey by the National Park Services. Responsible for creating part of the spatial database using pc ARC/INFO.

**Assistant GIS Project Supervisor (part time)**, 12/15/1991– 03/25/1992, for contract awarded to the University of Georgia's Carl Vinson Institute of Government. Supervised approximately thirty-five people in all facets of GIS production including digitization, vectorization, registration, and quality control procedures.

**Assistant Map Librarian**, 1991 Summer, Department of Map Collection, Science Library, University of Georgia.

**Computer Lab Assistant**, 1990 Summer, Computer Center, College of Business Administration, University of Georgia.

**Secretary for Academic Affairs (part time)**, 02/10/1987- 04/19/1989, Institute of Remote Sensing, Peking University.

**Technical Internship**, 1988, National Remote Sensing Center, Ministry of Science and Technology, P.R. China.

## BOOKS AND MONOGRAPHS

Sui, D.Z., 2012. *Geosavery: Freedom and locational privacy in the digital age* (tentative title; Guggenheim fellowship project)

- Sui, D.Z., S. Elwood, and M.F. Goodchild (eds.), 2012. *Volunteered Geographic Information, Public Participation, and Crowdsourced Production of Geographic Knowledge*. Berlin: Springer.
- Sui, D.Z. (ed.), 2008. *Geospatial Technologies and Homeland Security: Research frontiers and challenges*. Dordrecht, The Netherlands: Springer. [[http://www.amazon.com/Geospatial-Technologies-Homeland-Security-Challenges/dp/1402083394/ref=sr\\_1\\_7?ie=UTF8&s=books&qid=1215897418&sr=1-7](http://www.amazon.com/Geospatial-Technologies-Homeland-Security-Challenges/dp/1402083394/ref=sr_1_7?ie=UTF8&s=books&qid=1215897418&sr=1-7)]
- Jiang, B. and D. Z. Sui (eds.), 2007. *Proceedings of the ICA Workshop on Geospatial Analysis and Modeling*. Vienna, Austria: International Cartographic Association.
- Sui, D.Z. and M. Ball (eds.), 2006. *Geospatial Matters: Exploring the implications of a digital earth*. San Francisco, CA.: GeoTec Media .
- Warf, B., D. Wilson, D.Z. Sui, and L. Knopp, 2006. *Encyclopedia of Human Geography*. Thousand Oaks, CA.: Sage Publications.
- Sui, D.Z., 2004. *Beyond the Vicious Cycle: A review of recent studies on poverty-environment links*. Rome, Italy: The FAO Press.
- The U.S. National Research Council (Committee to review GIS operations in HUD), 2003. *GIS for Housing and Urban Development*. Washington D.C., The National Academy Press (primary author for chapters 3 & 4 plus contributing author to chapters 5 & 6).
- Sui, D.Z., 2001. *GIS-based Spatial Analysis and Modeling for Global Food Security and Poverty Mapping: A guideline for the U.N. agencies*. Rome, Italy: The FAO Press.

## GRANT REPORT

- Sui, D.Z., 2006. Environmental impacts of the digital economy: From industrial ecology to information ecology. Report for the NSF's Technology for Sustainable Environment (TSE) Program. 223 pages.
- Sui, D.Z., 2005, Integrating the functional and regional approach in industrial ecology: Conceptual and operational issues. Submitted to AT&T Foundation. 56 pages.
- Sui, D.Z. and F.Q. Mei, 2005. Ecological and Environmental Planning for Guiyang. Report for the first phase of the UNDP Technical Assistance Project of "City Planning, Management and Development of China in 21<sup>st</sup> Century," CPR/02/522, draft, 97 pages. Submitted to the United Nations Development Program (UNDP).
- Miaou, S.P. and D.Z. Sui, 2004. Impacts of the Changing Demographics on Highway Transportation Safety: A Texas Initiative. Center for Transportation Safety, Texas Institute of Transportation. 121 pages
- Sui, D.Z., 2002. Exploring the Environmental Impacts of the E-merging Digital Economy: Towards an informational ecology for the greening of electronic commerce. Final Technical Report for the U.S. EPA's FUTURES Research Grant (EPA agreement Number: R827582-01-0). 170 pages (submitted on Oct. 22, 2002)

Sui, D.Z., 2002. Mapping poverty and hunger: Existing conceptual and data issues. Phase I report for the Food and Agriculture Organization (FAO) of the United Nations (FAO cooperative agreement 118815). 25 pages (submitted on Dec. 15, 2002).

## PEER-REVIEWED JOURNAL ARTICLES

- Sui, D.Z., 2012. Geography revealed by the emerging culturomics. *The Professional Geographer* (in progress).
- DeLyser, D. and D.Z. Sui, 2012. Crossing the qualitative-quantitative chasm II: Scale, virtuality, and mobility. *Progress in Human Geography* (in progress).
- Sui, D.Z. and B. Warf, 2012. The spatial turn and the rise of neogeography: Geographic knowledge production in the Age of Web 2.0. *Transactions of the Institute of British Geographers* (in progress).
- Sui, D.Z., 2012. Looking through Hägerstrand's dual vistas: towards a unified framework for time geography. *Journal of Transport Geography* (under review).
- Sui, D.Z. and M.F. Goodchild, 2011. The convergence of GIS with Social media: New challenges for GIScience. *International Journal of Geographic Information Science* (in press).
- Sui, D.Z. and D. DeLyser, 2011. Crossing the qualitative-quantitative chasm I: Hybrid geographies, the spatial turn, and volunteered geographic information (VGI). *Progress in Human Geography* (Accepted, in press).
- Sui, D.Z., 2011. Debating the strategic directions for geographical sciences in the 2<sup>nd</sup> decade of the 21<sup>st</sup> century: An introduction. *The Professional Geographer* 63(3): 305-309
- Sui, D.Z., 2011. Hidden geographies revealed by Wikileaks. *GeoWorld*, June Issue, 11-13.
- Sui, D.Z., 2011. Terra incognitae and the BP oil spill. *GeoWorld*, March Issue, 19-21.
- Chen, W. and D.Z. Sui, 2011. Influenza surveillance using volunteered geographic information (VGI): A GIS-based hidden Markov modeling approach. *Geographical Analysis* (under review)
- Elwood, S.E., Goodchild, M.F., and D.Z. Sui, 2011. Researching the geocrowd: Volunteered geographic information and geographic research. *Annals of the AAG* (accepted, in press).
- Tu, W. and D.Z. Sui, 2011. A state transformed by information? Texas regional economy in the 1990s. *Regional Studies* 45(4): 525-543.
- Sui, D.Z., 2010. The paradox of China 2.0: Freedom within the great firewall? *GeoWorld*, December Issue, 22-24..
- Warf, B. and D.Z. Sui, 2010. From GIS to neogeography: Ontological implications and theories of truth. *Annals of GIS*, Vol. 16, No.4, page 1-13.
- Sui, D.Z., 2010. On Darwin, biology, and geography. *Environment and Planning A* 42 (8): 1775-1781.
- Sui, D.Z., 2010. G for Genome. *GeoWorld*, September Issue, 22-24.
- Sui, D.Z., 2010. Defining geography's strategic directions. *GeoWorld*, June Issue, 17-19.
- Sui, D.Z., 2010. GeoJournal: A new focus on spatially integrated social sciences & humanities. *GeoJournal* 75(1): 1-2.
- Sui, D.Z., 2010. The spatial century and the renaissance of geography. *GeoWorld*, March Issue, 17-19.
- Lane, G.W. and D.Z. Sui, 2010. Geographies of identity theft in the U.S.: Understanding the geographic and demographic patterns, 2002-2006. *GeoJournal* 75(1): 43-55.
- Sui, D.Z., 2009. Mashup and the spirit of GIS and geography. *GeoWorld*, December Issue, 15-17.

- Sui D. 2009. Ecological Fallacy. In Kitchin R, Thrift N (eds) *International Encyclopedia of Human Geography*, Volume 3, pp. 291-293. Oxford: Elsevier.
- Sui, D.Z., 2009. Twitter's new twist on geography. *GeoWorld*, Sept. Issue, 18-20. .
- Sui, D.Z., 2009. Humanistic GIScience, in B. Warf (ed.), *Encyclopedia of Geography*. Thousands Oaks, CA.: Sage Publications.
- Sui, D.Z., 2009. The meaning of geography: From ArcView to StreetView. *GeoWorld*, June Issue, 20-22.
- Sui, D.Z. and J.B Holt, 2009. Nancy Krieger's geospatial approach to social epidemiology: An introduction. *GeoJournal*, 74(2): 85.
- Sui, D.Z., 2009. Rethinking Ptolemy in the age of Web 2.0: Neogeography is paleo. *GeoWorld*, March Issue, 23-25.
- Xu, Z.W. and D.Z. Sui, 2009. The effect of small-world networks on epidemic diffusion. *Geographical Analysis* 41(3): 263-282.
- Sui, D.Z., 2008. Geography and the Nobel Prize. *GeoWorld*, December Issue, 17-19.
- Sui, D.Z., 2008. Geography and GIS in Second Life. *GeoWorld*, September Issue, 19-21.
- Sui, D.Z., 2008. Mapping as hacking? Cartographers as hackers? *GeoWorld*, June Issue, 15-17.
- Sui, D.Z., 2008. Neogeography: Hype or hope. *GeoWorld*, March Issue, 18-21.
- Sui, D.Z. and J.B. Holt, 2008. Cognitive and analytical issues of applying value-by-area (cartogram) mapping in public health. *Cartographica* 43(1): 3-20.
- Sui, D.Z., 2008. The wikification of GIS and its consequences, Or Angelina Jolie's new tattoo and the future of GIS. *Computers, Environment, and Urban Systems* 32(1): 1-5.
- Dou, W., Y.H. Chen, and D. Z. Sui, 2007. A general framework for component substitution image fusion: An implementation using the fast image fusion method. *Computers & Geosciences* 33(2): 219-228.
- Sui, D.Z., 2007. Mapping by the creative commons? Or how wiki can GIS become. *GeoWorld*, December issue, 21-23.
- Sui, D.Z., 2007. Geospatial technologies for surveillance: Tracking people and commodities in real-time. *Geographical Review* 93(3): 3-9. [<http://www.amergeog.org/gr/jul07.html>]
- Sui, D.Z., 2007. Fat Geography: GIS through the body. *GeoWorld*, September issue, 25-27.
- Sui, D.Z., 2007. GIS and medical geography: Towards a new synergy. *Geography Compass* 1(3): 556-582.
- Sui, D.Z., 2007. GIS, Hollywood, and the surveillance space. *GeoWorld*, June issue, 17-19.
- Xu, Z.W. and D.Z. Sui, 2007. Small-world characteristics on transportation networks: A perspective from network autocorrelation. *Journal of Geographical Systems* 9(2): 153-168.
- Sui, D.Z., 2007. A new GeoJournal for the geospatial future. *GeoJournal* 68(1): 1.
- Li, L., L. Zhu, and D.Z. Sui, 2007. A GIS-based Bayesian approach for fatal traffic accident analysis: The case of Houston. *Journal of Transport Geography* 15(4): 274-285.
- Sui, D.Z., 2007. Is GIS a liability in the war against terrorism? *GeoWorld*, March issue, 22-25.
- Tu., W. and D.Z. Sui, 2006. Regional differentiations of economic transformation and their impacts on the environment in Texas: A GIS-based input-output analysis. *Journal of Regional Studies* (under revision).
- Sui, D.Z., 2006. The Streisand law suit and your stolen geography. *GeoWorld*, December issue, 26-29. Available on-line at: [http://www.geoplace.com/uploads/FeatureArticle/0612\\_GinGIS.asp](http://www.geoplace.com/uploads/FeatureArticle/0612_GinGIS.asp)
- Sui, D.Z., 2006. RFID: Mark of the beast or an integral part of the digital earth? *GeoWorld*, September issue, 18-19.
- Holt, J., J. Miller, and D.Z. Sui, 2006. Geographical patterns of binge drinking and their association with religious affiliations: A population-based analysis. *Geographical Review* 96(4): 523-542.

- Sui, D.Z., 2006. Geography and the small world: Challenges for GIScience. *GeoWorld*, June issue, 24-26.
- Sui, D.Z., 2006. What can GIScientists learn from Marshall Islanders? *GeoWorld*, March issue, 30-32.
- Chen, Y.H., D.Z. Sui, and F. Tung, 2006. Fractal analysis of structure and dynamics of satellite-detected urban heat island. *International Journal of Remote Sensing* 27: 1-8.
- Sui, D.Z. and X.B. Wu, 2006. Changing residential segregation patterns in a prismatic metropolis: The case of Houston. *Environment and Planning B* 33: 559-579.
- Sui, D.Z., 2005. A better distortion? Cartograms deserve more attention by GIS users. *GeoWorld*, December issue, 29-33.
- Tu, W. and D.Z. Sui, 2005. Environmental impacts of digital cities. *Canadian Journal of Regional Science* 18(2): 221-248.
- Zeng, H., D.Z. Sui, and S.J. Li, 2005. Linking urban field theory with GIS and remote sensing to detect signatures of rapid urbanization on the landscape: Towards a new approach for characterizing urban sprawl. *Urban Geography* 26 (5): 410-434.
- Eldrandaly, K., N. Eldin, D.Z. Sui, M. Shouman, and G. Nawara, 2005. Integrating GIS and MCDM using COM technology. *The International Arab Journal of Information Technology* 2(2): 163-168.
- Sui, D.Z., 2005. Beethoven, Picasso and GIS: Is spatial really special? *GeoWorld*, September issue, 22-24.
- Sui, D.Z. and W. Tu, 2005. Can information substitute for material and energy? A case study on the environmental impacts of the digital economy. *Electronics and the Environment* 6, 189-193.
- Sui, D.Z., 2005. Musings on the revenge (and forgiveness) of geography. *GeoWorld*, June issue, 22-24.
- Sui, D.Z., 2005. Will ubicomp make GIS disappear? *Computers, Environment, and Urban Systems* 29(1): 361-367.
- Zeng, H., D.Z. Sui, and X.B. Wu, 2005. Human impacts on landscape in protected areas: A case study of the Wolong Natural Reserve. *Ecological Research* 20 (1): 487-496.
- Sui, D.Z., 2005. G for Google? What can we learn from Google's success so far? *GeoWorld*, March issue, 18-22.
- Sui, D.Z. 2005. The media and message of location-based services: A tetradic analysis. *Journal of Geographic Information Science* 10(2): 166-174.
- Gay, R., D.T. Phillips, D.Z. Sui, and R. Davis, 2005. A modeling paradigm for the environmental and economic impacts of the digital economy. *Journal of Organizational Computing and Electronic Commerce* 15(1): 61-82.
- Sui, D.Z., 2004. Are laws of robots applicable to location-based services (LBS)? *GeoWorld* (formerly *GIS World*) September issue, 22-24.
- Tu, W., D.Z. Sui, and J. Gavinha, 2004. Los cambios en la estructura econsmica en las Colinas del Silicio, 1990-1999. *Scripta Nova* (in Spanish) 8(2): 170- 192. The text is available at: <http://www.ub.es/geocrit/sn/sn-170-22.htm>
- Sui, D.Z., 2004. Tobler's first law of geography: A big idea for a small world? *Annals of the Association of American Geographers* 94(2): 269-277.
- Sui, D.Z., 2004. GIS, Cartography, and the Third Culture: Geographical imaginations in the computer age. *The Professional Geographer* 56(1): 62-72.
- Sui, D.Z., 2004. The geography of the United States in the year 2000: Science, predictability, and public policy in an age of uncertainty. *The Professional Geographer* 56(1): 73-75.
- Eldrandaly, K., N. Eldin, and D.Z. Sui, 2004. A COM-based SDSS for industrial site selection. *Journal of Geographic Information and Decision Analysis (GIDA)* 7(2) :72-92.

- Sui, D.Z., 2003. Musings on the fat city: Are obesity and urban forms linked? *Urban Geography* 24(1): 75-84.
- Sui, D.Z. and M.F. Goodchild, 2003. A tetradic analysis of GIS and society using McLuhan's law of media. *Canadian Geographers* 47(1): 5-17.
- Wang, J., D.Z. Sui, and F.Y. Lai, 2003. Mapping the Internet using GIS: The death of distance hypothesis revisited. *Journal of Geographical Systems* 5(4):381-405.
- Eldrandaly, K., S. Shouman, and D.Z. Sui, 2002. On the use of expert systems, multicriteria decision making, and geographic information systems in site selection. *Alexandria Journal of Engineering (AJE)* 12(1): 32-44.
- Sui, D.Z. and D.J. Rejeski, 2002. Environmental impacts of the emerging digital economy: The E-for-Environment E-Commerce? *Environmental Management* 29(2): 155-163
- Sui, D.Z. and P.J. Hugill, 2002. A GIS-based spatial analysis on neighborhood effects and voter turnout: a case study in College Station, Texas. *Journal of Political Geography* 21(1): 159-173.
- Sui, D.Z., 2001. Terrae incognitae and limits of computation: Whither GIScience? *Computers, Environment, and Urban Systems* 25(5): 529-533.
- Sui, D.Z. and M.F. Goodchild, 2001. Are GIS becoming new media? *International Journal of Geographical Information Science* 15(5): 387-390.
- Wu, X.B. and D.Z. Sui, 2001. An initial exploration of a lacunarity-based segregation measure. *Environmental and Planning B* 28(2): 433-446.
- Sui, D.Z. and H. Zeng, 2001. Modeling the ecological impacts of rapid urbanization in Asia's emerging Desakota regions: A case study of the Shenzhen special economic zone using a GIS-based spatial analysis modeling approach. *Landscape and Urban Planning* 53(1): 37-52.
- Sui, D.Z., 2000. New directions in ecological inference. *Annals of the Association of American Geographers* 90(3): 579-606.
- Sui, D. Z., 2000. Visuality, aurality, and the shifting metaphors in geographic thought in the late 20th century. *Annals of the Association of American Geographers* 90(2): 322-343.
- Sui, D. Z., 1999. Postmodern urbanism disrobed: Or why postmodern urbanism is a dead end for urban geography. *Urban Geography* 20(5): 403-411.
- Sui, D. Z. and R. C. Maggio, 1999. Integrating of GIS with hydrological modeling: Practices, problems, and prospects. *International Journal of Computers, Environment, and Urban Systems* 23 (1): 33-51.
- Sui, D. Z. and R. S. Bednarz, 1999. The message is the medium: Geography and geographic education in the age of the Internet. *Journal of Geography* 98(3): 93-99.
- Sui, D. Z., 1998. Deconstructing virtual cities: From unreality to hyperreality. *Urban Geography* 19 (7): 657-676.
- Sui, D. Z., 1998. GIS-based urban modeling: Practice, problems, and prospects. *International Journal of Geographical Information Science* 12(7), 651-671.
- Sui, D. Z., 1997. Reconstructing urban reality: From GIS to electropolis. *Urban Geography* 18(1): 74-89.
- Sui, D. Z., 1995. A new pedagogic framework to link GIS to geography's intellectual core. *Journal of Geography* 94(6): 578-591.
- Sui, D. Z., 1995. Modeling the spatial economic impacts of New Town development in Hong Kong: A GIS-based shift-share analysis. *Socio-Economic Planning Science* 29(3):227-243.
- Sui, D.Z., 1995. Company profiles make business sense to students. *GIS World*, March, p. 76.
- Sui, D. Z. and C.P. Lo, 1995, Prediction of Hong Kong's future economic and spatial development using GIS simulation. *Environment and Development* 5(3), 103-124.



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- Sui, D. Z., 1994. Recent applications of neural networks for spatial data handling. *Canadian Journal of Remote Sensing* 20(4): 363-379.
- Sui, D. Z., 1994. Fuzzy logic can help GIS deal with reality. *GIS World*. 7(9): 50-54.
- Sui, D. Z., 1993. A neural network-based GIS approach to spatial decision-making. *The Operational Geographer* 11(2), 13-20
- Sui, D. Z. and J. O. Wheeler, 1993. The location of office space in the metropolitan service economy in the United States, 1985-1990. *The Professional Geographer* 45(1): 33-43.
- Thill, J.C. and D. Z. Sui, 1993. Mental maps and fuzziness in spatial preferences. *The Professional Geographer* 45(3): 264-276.
- Sui, D. Z., 1992. A fuzzy GIS modeling approach for urban land evaluation. *Computers, Environment and Urban Systems* 16(2): 101-115.
- Sui, D. Z., 1988. The state-of-the-art of GIS technology. *Environmental Science*. Vol.13, page 3. (In Chinese)
- Sui, D. Z., 1988. A software engineering-based methodology for GIS conceptual design. *Young Geographer*. Vol.3, pp.26-41. (In Chinese)
- Sui, D. Z., 1988. Lu Sun and geology. *Encyclopedic Knowledge*. Vol.12, pp.12-16. (In Chinese)
- Zheng, L. Z. and D. Z. Sui, 1988. A market-oriented strategy for the development of remote sensing and GIS technology in China. *Journal of Remote Sensing Information*. Vol.3, pp.1-4. (In Chinese)
- Fan, X.Q., J. Li and D. Z. Sui, 1988. Applications of remote sensing technology in monitoring natural disaster. *Journal of Disaster Research*. Vol.2, pp.16-27. (In Chinese)
- Sui, D. Z., 1987. Legal aspects of remote sensing technology: An international perspective. *Journal of Remote Sensing Information*. Vol.2, pp.3-5. (In Chinese)
- Sui, D. Z., 1986. Mountain climbing and geographic investigation. *Geographic Knowledge*. Vol.25, pp.54-55. (In Chinese)

## BOOK CHAPTERS AND CONFERENCE PROCEEDINGS PAPERS

- Cheng, Z.Y., J. Caverlee, K. Lee, and D.Z. Sui, 2011. Exploring Millions of Footprints in Location Sharing Services. Proceedings of ICWSM 2011 (5<sup>th</sup> International Conference on Weblogs and Social Media). Available on-line at:  
<http://faculty.cs.tamu.edu/caverlee/pubs/cheng11icwsml1.pdf>
- Sui, D.Z., 2011. Legal and ethical issues of using GIS in Society. In T.L. Nyerges, H. Couclelis, and R.B. McMaster (eds.), *The Sage Handbook of GIS and Society*. London: Sage, 504-528.
- Sui, D.Z. 2010. A geographic conceptual framework for understanding the spatial-temporal constraint of social networking. *Proceedings of the Specialist Meeting on Spatial-Temporal Constraints of Social Networks*. Santa Barbara, CA., Dec. 13-14.
- Sui, D.Z., 2010. Ecocity development and building harmonious world cities. *Proceedings of 2010 Beijing Forum*, Vol. 5, pp. 130-142 (in Chinese with English abstract).
- Sui, D.Z., 2010. Rethinking progress in urban modeling: Models, metaphors, and meaning. In X. Yang (ed.), *Urban Remote Sensing: Monitoring, synthesis, and modeling in the urban environment*. New York: John Wiley & Sons, 371-382.
- Sui, D.Z., 2010. CyberGIS: A perspective from the emerging metaverse. In S. Wang and N. Wilkins-Diehr (eds.), Proceedings of the NSF CyberGIS Workshop. University Consortium of Geographic Information Science (UCGIS), Washington, D.C., Feb. 2-4.

- Tu, W, D. Z. Sui, and W.C. Ma. 2010. Urban Environmental Management in Shanghai: A Multi-scale Perspective. In *Sustainability: A Global Urban Context*, ed. I. Vojnovic. Michigan State University Press (in press).
- Sui, D.Z., 2009. Humanistic GIScience, in B. Warf (ed), *Encyclopedia of Geography*. Thousands Oaks, CA.: Sage Publications.
- Sui, D.Z. and C. Xu, 2009. Exploring VGI for emergency management: Towards a wiki GIS framework. *Proceedings of the International Symposium on Cartography and Emergency Management*, pp. 132-142. Prague, Czech Republic: ICA.
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- Sui, D.Z., 2008. Urban sustainable development in China: Fact and fiction. In *Proceedings of China Development Forum by Senior Oversea Scholars*. Beijing, State Council, pp.153-162 [in Chinese].
- Sui, D.Z., 2008. Wiki cartography and the visualization of the natural environment [keynote paper]. In N. Mount, G. Harvey, P. Aplin, G. Priestnall (Eds.), *GIS Innovations 13: Representing, Modeling, and Visualizing the Natural Environment* London: Taylor & Francis, pp. 269-286.
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- Sui, D.Z., 2007. Understanding volunteered geographic information: A tetradic analysis. *Proceedings of the Symposium on Volunteered Geographic Information*, Dec. 14-16. Santa Barbara, CA.: National Center for Geographic Information and Analysis (NCGIA).
- Sui, D.Z., 2007. Ecological fallacy. In N. Thrift (ed.), *Encyclopedia of Human Geography*. London: Taylor & Francis.
- Sui, D.Z., 2007. The paradoxical consequences of location-based services. In H. Miller (ed), *Societies and Cities in an Age of Instant Access*. Dordrecht, the Netherlands: Springer, 255-271.
- Sui, D.Z., 2007. First law of geography. In K. Kemp (ed), *Encyclopedia of Geographic Information Science*. Thousands Oaks, CA.: Sage Publications.
- Sui, D.Z., 2005. Information ecology, humanistic GIScience, and Tobler’s first law of geography - three entries in B. Warf (ed), *Encyclopedia of Human Geography*. Thousands Oaks, CA.: Sage Publications.
- Sui, D.Z., 2005. Eco-city Development: Western experiences vs. the Chinese reality. *Proceedings of the Eco-city Development Workshop* (in Chinese). Guiyang, GZ.: June 2005.
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- Sui, D.Z., W. Tu and J. Gavinha, 2004. How smart is the Smart Growth Initiative? A case study in Austin, Texas. In D. Janelle, B. Warf, and K. Hansen (eds.), *WorldMinds: Geographical Perspectives on 100 Problems*. Dordrecht, The Netherlands: Kluwer Academic Publishers, pp. 209-214.

- Zhang, M. and D.Z. Sui, 2003. Time use, activity participation, and urban form: An empirical analysis of activity-travel diary in Houston, Texas. *Proceedings of the 83<sup>rd</sup> Annual Meeting of the Transportation Research Board*, Vol. 4, pp.155-164.
- Sui, D.Z., 2004. GIS for Comprehensive Cancer Control (CCC). *Proceedings of the National Specialist Workshop on GIScience Priorities for Comprehensive Cancer Control*. Nov. 17-18, Santa Barbara, CA.
- Tu, W. and D.Z. Sui, 2004. The dynamic transformation of regional economy of Texas in the 1990s: A GIS-based economic modeling and analysis. *Proceedings of the 2004 National IMPLAN Conference*. Oct. 6-8, Shepherdstown, WV.: pp. 207-243.
- Sui, D.Z., 2004. The futile pursuit of good city form: Can we end the brawl on sprawl? *Proceedings of the Third Hawaii International Conference on Social Sciences* (in press). Honolulu, Hawaii, June 16-19.
- Sui, D.Z., 2004. The medium and message(s) of location-based services (LBS): The death of distance or the revenge of geography? *Geoinformatic '04* (in press). Gävle, Sweden, June 5-9.
- Tu, W. and D.Z. Sui, 2004. Are digital cities sustainable? *Proceedings of the International Symposium on Urban Sustainable Development*. Shanghai, P.R. China, May 23-25.
- Gavinha, J. and D.Z. Sui, 2003. El 'Crecimiento inteligente': la nueva forma de gestionar el desarrollo urbano en Noroeste de América. *Critical Perspectives on Urban Housing and Development (in Spanish)*. Barcelona, Spain: University of Barcelona Press.
- Wu, B. and D.Z. Sui, 2002. GIS-based lacunarity analysis for assessing urban residential segregation. *Proceedings of the ESRI User Conference*, July 8-12, San Diego, California. Available on-line at <http://gis.esri.com/library/userconf/proc02/pap0667/p0667.htm>
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- Sui, D.Z., 2001. GIS-based food insecurity and vulnerability mapping: Towards the development of a new framework for value-added information operation. *Proceedings of 2001 International Conference on Agricultural Science and Technology (ICAST 2001)*, Nov. 7-9, Beijing, P.R. China. Vol. 4, pp.159-168.
- Chen, C. and D.Z. Sui, 2001. A GIS-based approach for simulating the impacts of telecommuting on accessibility: The case of Austin, Texas. *Papers and Proceedings of the Applied Geography Conference*. Nov. 14-17, Fort Worth, Texas, pp. 69-77.
- Sui, D.Z. and D.T. Phillips, 2001. Modeling the environmental impacts of E-commerce using SmartCost. *Proceedings of 2001 International Symposium on Environmental Informatics*. Oct. 6-9, Zurich, Switzerland, pp.52-63.
- Sui, D. Z., 1999. GIS, environmental equity, and the modifiable areal unit problem (MAUP). In *Geographic Information Research: Trans-Atlantic Perspectives*, eds. M. Craglia and H. Onsrud, pp. 41-54. London, Taylor & Francis .
- Sui, D. Z., 1999. The E-merging geography of the information society: From accessibility to adaptability? In D. Janelle and D. Hodge (eds), *Information, Place, and Cyberspace: Issues in accessibility*, pp.107-129. Berlin: Springer-Verlag.
- Waldron, J.D. and Sui, D. Z., 1999. Incorporating the indigenous knowledge into GIS-based multi-criteria analysis for ecosystem management. *Proceedings of International Conference on GIS and Society*. June 8-11, Minneapolis, MN., pp. 169-180.
- Sui, D.Z., 2000. The economy as ecosystems. In I. Prigogine (ed), *Encyclopedia of Life Supporting Systems (EOLSS)*, The United Nations University Press.

- Sui, D. Z., 1998. The geography of E-merging information society: Accessibility or adaptability? *Proceedings of the Varenius Specialist Conference on "Measuring and Representing Accessibility in the Information Age."* Santa Barbara, CA.: NCGIA.
- Sui, D. Z., 1998. GIS-based spatial analysis and modeling (A&M): From syntax to semantics. *Position Paper the Varenius Specialist Meeting on "The Status of Spatial Analysis."* Santa Barbara, CA.: NCGIA.
- Sui, D.Z. and R.C. Maggio, 1998. FIRM maps are not so firm: Uncertainties in FEMA's flood insurance rate map and how GIS can help. *GIS/LIS'98*, pp.144-153.
- Sui, D.Z., 1998. GIS and Society: A tetratic analysis using McLuhan's Law of Media. *GIS/LIS'98*, pp. 531-540
- Yang, D.C. and D.Z. Sui, 1998. GIS-based long range transportation modeling: A case study for the Oklahoma city, 1990-2020. *GIS/LIS'98*, pp. 403-410
- Sui, D.Z., 1998. Broadening the conceptual foundation of geographic representation: A holographic perspective on the ontology of fields. *Proceedings of Project Varenius Specialist Meeting on the Ontology of Fields.* Bar Harbor, Maine.
- Sui, D.Z. and R. C. Maggio, 1998. A GIS-based hydrological/hydraulic modeling approach for floodplain mapping. *ASPRS/RTI Technical Papers*, Vol. 56, pp. 169-179.
- Sui, D.Z., 1997. The syntax and semantics of urban modeling: Versions vs. visions. *Proceedings of USGS-NCGIA Workshop in Landuse Modeling*, Sioux Falls, SD., June 4-7, 1997.
- Tao, R. and D.Z. Sui, 1997. The implementation of the FAO land evaluation framework using GIS: The Avenue approach. *Papers and Proceedings of the Applied Geography Conference*, Vol. 20, pp. 151-165.
- Sui, D.Z., 1996. Urban forms, urban processes, and urban policies: Toward a new conceptual framework and a new research agenda for metropolis in the 21st century. *Proceedings of NCGIA-sponsored research conference on Spatial technologies, Geographic Information, and City*, pp. 49-56.
- Meyer, T.H., R.C. Maggio, D. Wunneburger, and D. Z. Sui, 1996. A new conceptual framework to construct DEM using B-Spline functions. *GIS/LIS'96*, pp.1091-1105.
- Sui, D.Z., 1996. Contextualizing Geographic Information Systems (GIS): Toward a critical theory of geographic information science. *GIS and Society: The social implications of how people, space, and environment are represented in GIS --Proceedings of NCGIA Initiative 19 Specialist Meeting*, pp.30-35.
- Eshe, S., D. Burton, and D. Z. Sui, 1996. A GIS-based approach for residential property value appraisal. *GIS in Business '96*, pp. 101-110.
- Loh, D. K., D.Z. Sui, and M.D. Zhou, 1996. Integrating GIS, ground water modeling, and expert systems to analyze Taiwan's well drilling data: Toward a national intelligent spatial decision support system for water resource management in Taiwan. *Geoinformatics '96*, pp.203-217.
- Sui, D.Z. and J.R. Giardino, 1995. Applications of GIS in environmental equity analysis: A multi-scale and multi-zoning scheme study for the city of Houston, Texas, USA. *GIS/LIS'95*, Vol.2, pp.950-959.
- Sui, D.Z., 1995. Geographic matrix and GIS education: Toward a new pedagogic framework. *GIS/LIS'95*, Vol.2, pp.940-949.
- Sui, D.Z., 1994. Evaluating the impact of government policy on the transformation of urban spatial structure: A GIS-based modeling approach. *Papers and Proceedings of the Applied Geography Conference*, Vol. 17, pp. 135-142.

- Sui, D.Z., 1993. GIS-based shift-share analysis: Applications in metropolitan economic modeling. *Papers and Proceedings of Applied Geography Conferences*, edited by J.W. Frazier et al. Vol.16, pp.110-116.
- Sui, D.Z., 1992. An initial investigation of integrating neural networks with geographic information systems for spatial decision-making. *GIS/LIS'92*, Vol.2, pp.727-737.
- Sui, D.Z. and C. P. Lo, 1992. A model-based GIS approach for urban development simulation. *GIS/LIS'92*, Vol.2, pp.737-747.
- Sui, D.Z., 1990. A fuzzy mathematical modeling technique and its implementation on GIS: Toward a fuzzy cartographic modeling technique. *GIS/LIS'90*, Vol.1, pp.123-133.
- Sui, D.Z., 1988. Some rumination on the development of science and technology. *Peking University Bulletin*, Vol.78, page 3.
- Sui, D.Z., 1985. William Garabu: Our American friend. *Peking University Bulletin*, Vol.75, page 4.

## BOOK REVIEWS

- Sui, D.Z., 2010. Terrorism, Risk and the Global City: Towards urban resilience by Jon Coaffee. *Environment and Planning B* 37(3): 568-569.
- Sui, D.Z. 2009. Geospatial Analysis: A comprehensive guide to principles, techniques and software tools (2<sup>nd</sup> edition) by Michael de Smith, Mike Goodchild, & Paul Longley. *Annals of the AAG* 99(2): 440-442.
- Sui, D.Z. 2006. The Political Mapping of Cyberspace by Jeremy Crampton. *Annals of the AAG* 96(1): 224-227.
- Sui, D.Z. 2005. Unlocking the Census using GIS by Alan Peters and Heather MacDonald. *Urban Geography* 26(7): 655-656.
- Sui, D.Z. 2005. Foundations of Geographic Information Science edited by Matt Duckham, Michael F. Goodchild and Michael F. Worboys. London: Taylor & Francis. *Annals of the AAG* 95(1): 223-225.
- Sui, D.Z., 2004. Progress: Geographical Essays edited by R.D. Sack. *The Professional Geographer* 56(2): 308-311.
- Sui, D.Z., 2003. Uncertainty and the Environment: Implications for decision making and environmental policy by Richard Young. *Environment and Planning B* 30 (3): 474-475.
- Sui, D.Z., 2003. Representations of Space and Time by Donna Peuquet. *Transactions in GIS* 7(2): 285-286.
- Sui, D.Z., 2002. Worlds of E-commerce edited by Thomas Leinbach and Stanley Brunn. *The Professional Geographer* 54(2): 279-280.
- Sui, D.Z., 2001. Multidimensional Geographic Information Science by Jonathan Raper. *Annals of the AAG* 91(4): 779-780..
- Sui, D.Z., 2001. China in the Post-Utopian Age by Christopher Smith. *Urban Geography* 22(5): 505-507.
- Sui, D.Z., 2001. Digital Places: Living with Geographic Information Systems by Michael Curry. *Annals of the AAG* 91(1): 204-206.
- Sui, D.Z., 2001. Contemporary Flooding Issues. *Journal of American Water Resources Association* 13 (4): 351-352.
- Sui, D.Z., 2000. Book Forum on A Solution to the Ecological Inference Problem: Reconstructing individual behavior from aggregate data by Gary King, Princeton, NJ.: Princeton University Press. *Annals of the AAG* 90(3): 579-606.

- Sui, D.Z., 1998, Resource and Environmental Management by Bruce Mitchell, London: Longman. *Environment* 40(8): 27.
- Sui, D.Z., 1997, How to Lie with Maps, 2nd edition, Mark Momonier, Chicago: University of Chicago Press. *Journal of Geography* 96: 345.
- Sui, D.Z., 1992, Venture Capital: International Comparisons, Milford B. Green, Routledge, London, U.K., 1991. *The Professional Geographer* 44(2): 230-231.
- Sui, D.Z., 1991, Geographic Information Systems: A Management Perspective, Stan Aronoff, WDL Publications, Ottawa, Canada, 1989. *The Professional Geographer* 43(3): 370.

## SOFTWARE REVIEWS

- MapBox, Decision Images Inc., Skillman, NJ, 1990, for *The Professional Geographer*.
- SimSeg, Ambers Software Inc., Lancaster, PA, 2004.

## HONORS AND AWARDS

- Keynote speaker**, International Workshop on GIScience and Education, Taiwan, Nov. 1-3, 2011.
- Keynote speaker**, International Symposium on Spatially Integrated Social Sciences and Humanities, Nanjing, China, Oct. 13-15, 2010.
- C.P. Lo Memorial Lecturer in GIScience & East Asian Studies**, University of Georgia, Athens, Georgia, Sept. 24., 2010
- 2009 John Simons Guggenheim Foundation Fellowship**
- Keynote speaker**, International Workshop on Urban GIS Applications, Taipei, Taiwan, Dec. 11-13, 2009.
- Keynote speaker**, International Joint Workshop on GeoCollaborative Crisis Management (GCCM), Pennsylvania State University, University Park, December 2-5, 2008.
- Invited speaker for the Global Dialogue on Emerging Science and Technology (GDEST)**, The U.S. State Department, Cape Town, South Africa, March 16-20, 2008
- Recipient of 2007 Michael Breheny Prize for the best paper in Environment and Planning.**
- Invited speaker**, 2007 AAAS Forum on Science & Technology, Washington, D.C., May 2-4, 2007.
- 2006 Tod Spieker Lecturer**, Department of Geography, University of California, Los Angeles, May 5, 2006.
- 2004-2005 ORISE Fellowship for Distinguished Scholars**, awarded by the Center for Disease Control and Prevention (CDC), the U.S. Department of Health and Human Services (HHS), July 1, 2004.

**2004 AT&T University Fellow in Industrial Ecology**, awarded by AT&T via an international competition, Jan. 20, 2004.

**Reta A. Haynes Endowed Chair in Geosciences**, 2001-2009, awarded by the College of Geosciences, Texas A&M University.

**The JingShi Distinguished Scholar Award**, by Beijing Normal University, 2003.

**Honorary and Adjunct Professors** by Peking University, Beijing Normal University, and Zagazig University (Egypt).

**2001 Outstanding Teaching Award**, awarded by the Association of TAMU's Former Students.

**2000-2001 FAO Senior Visiting Scientist Fellowship**, awarded by the FAO Sustainable Development Program.

**1998-1999 Big 12 Faculty Fellow**, awarded by the Big 12 Presidential Committee on faculty exchange.

**The 1995-1996 Best Paper in College and University Level Teaching**, National Council for Geographic Education, September 10, 1996.

**Outstanding Teaching Award**, \$5,000, Center for Teaching Excellence, Texas A&M University, College Station, Texas 77843. August 20, 1996

**NSF Early Career Scientist Fellowship** for the 1996 International Young Scholar Summer Institute, Berlin, Germany, July 22 -- August 1, 1996.

**NCGIA Fellowship** for the NCGIA-sponsored specialist meeting on Spatial Technologies, Geographic Information, and the City. Baltimore, September 8-11, 1996.

**NCGIA Fellowship** for the NCGIA Initiative 19 Specialist Meeting, Annadale, Minnesota, March 2-5, 1996.

Nominated for **Robert A. Anderson Memorial Award**, April 4, 1994

**Outstanding Graduate Teaching Award**, Awarded by The University of Georgia, Athens, Georgia, April 9, 1993.

**Best Ph.D. Student Paper Award**, awarded by Southeast Division of Association of American Geographers (SEDAAG), Louisville, Kentucky, November 24, 1992.

**One Year Free AAG and SEAAG Membership**, awarded by The Association of American Geographers (AAG) and Southeast Division of Association of American Geographers (SEDAAG) for Winning the Best Doctoral Student Paper Award and Outstanding Performance in the World Geography Bowl competition.

**Member of World Geography Bowl Champion Team**, Louisville, Kentucky, November 22-24, 1992.

**NSF Doctoral Student Conference Fellowship** for Presenting Two Papers and Chairing One Technical Session on GIS/LIS'92 Annual Meeting at San Jose, California.

**Travel Grant** for Presenting a Paper on 1991 AAG Annual Conference, Awarded by the Graduate School, The University of Georgia.

**Gamma Theta Epsilon Geography Honor Society**, 1991.

**Outstanding Graduate Student Award**, 1988. (Awarded by Graduate School, Peking University)

**Recipient of the May-Fourth University Fellowship** in four consecutive years, 1982-1986, three years for outstanding GPA and one year for distinguished public services. (Awarded by the Peking University Alumni Foundation).

**National Outstanding High School Student**, 1982. (Awarded by the Ministry of Education, P.R. China)

## PROFESSIONAL SERVICES & COMMITTEE WORK

**Member**, External Panel on Health and Geographic Distribution of Alcohol Outlets, The U.S. Center for Disease Control and Prevention (CDC), 2011.

**Co-organizer** (with Mike Goochild and Sarah Elwood), AAG Preconference on Volunteered Geographic Information (VGI), Seattle, Washington, April 11, 2011.

**Member**, Advisory Board on SpringerBriefs in Geography, since June 1, 2010

**Member**, Advisory Board for *I/S: A Journal of Law and Policy for the Information Society*, since December 15, 2010

**Member**, program committee, 2010 Workshop on Using VGI to Promote Science, Zurich, Sept. 14-15, 2010

**Member**, National Mapping Science Committee, National Research Council, The U.S. National Academy of Sciences, 2009-2012.

**Member**, 2010 International Geoinformatics Conference Organizing Committee

**Member**, 2010 AutoCarto Organizing Committee

**Guest Editor** for the special *The Professional Geographer (PG)* Forum on "Understanding the Planet: Strategic directions for geographical sciences" (to be published in 2011).



**External reviewer** for the Department of Geography at Michigan State University, April 27-30, 2010

**External reviewer** for the Department of Geography at University of Utah, Nov. 1-3, 2009.

**Member** of the senior review panel for the Urban Long-Term Research Area Exploratory Awards (ULTRA-Ex), The U.S. National Science Foundation (NSF), July 10-13, 2009.

**Member** of the senior review panel for Health Care Delivery and Methodology, National Institute of Health (NIH), March 3-5, 2010.

**Member** of the Scientific Advisory Board for *The Geospatial Revolution Project (public TV video series)*, Penn State Public Television (WPSU).

**External reviewer for tenure and promotion:** University of California at Merced, University of Illinois at Urbana-Champaign, University of Pittsburg, University of Southern California, Arizona State University, University of Iowa, University of Kansas, The Ohio State University, University of Arizona, University of South Carolina, Colorado State University, Michigan State University, University of Minnesota, University of Maryland, University of Missouri at Kansas City, National University of Singapore, University of Cincinnati, University of Wisconsin – Milwaukee, National University of Taiwan, City University of New York, University of Illinois at Chicago

**Reviewer**, Taiwan's National Distinguished Scientific Research Award, National Science Committee, Taipei, Taiwan.

**Editor-in-Chief**, *GeoJournal: An international journal of geography*, since Jan. 1, 2007.

**Editor**, GeoJournal Library book series, Springer, Since Jan. 1, 2007

**Service duties at OSU since July 1, 2009:**

- Member, Departmental Committee on Internationalization of Curriculum
- Provost's China Gateway Advisory Committee
- University District Development Steering Advisory committee
- 2009 Geography Awareness Week/GIS Day Celebration (coordinator)
- Kellogg Community Outreach Award Review Committee
- Geography Department's personnel committee
- Organizer, 2009 Fall CURA Forum

**Media appearance**, How geospatial information technology is changing the world – an interview by KAMU Public Television's *Bring it Home* Host David McIntyre, April 11, 2009, available on YouTube (search Daniel Sui TAMU).

**Discussant and Organizer** for multiple sessions on volunteered geographic information during the 2010 AAG Annual Meeting, Washington D.C., April 13-18.

**Organizer and chair** of the GeoJournal Plenary Lecture, 2009 AAG Annual Meeting, Las Vegas, March 22-27.

**Co-organizer and chair** (with Keith Clarke) of two sessions on “Volunteered Geographic Information and GIScience Research,” 2009 AAG Annual Meeting, Las Vegas, March 22-27.

**Chair**, 2008 Geography Awareness Week and GIS Day Committee, Texas A&M.

**External Doctoral Dissertation Examiner**, Fall 2008, The Chinese University of Hong Kong.

**Chair**, the paper session on “Maps and the Internet,” GIScience 2008 (Fifth International Conference on Geographic Information Science), Park City, Utah, Sept. 23-26.

**Chair**, Special session devoted to Dr. C.P. Lo’s contribution to GIScience and Remote Sensing, 2008 AAG Annual Meeting, Boston, MA.

**Member, External Expert Advisory Panel on Geospatial Information Science**, The U.S. Centers for Disease Control and Prevention (CDC), 2007-2009.

**Organizer and Program Committee Chair** for the *2007 Symposium on Geospatial Technologies and Public Health: Mapping disease, promoting health*, College Station, Texas, Nov. 16-17, 2007.

**Organizer and Program Committee Chair** for the *2006 Symposium on Geospatial Technologies and Homeland Security*, College Station, Texas, Nov. 15, 2006.

**Founder & President**, Texas A&M China Faculty Association (CFA), 2007-2009.

**North American Editor** for the international journal of *Computers, Environment, and Urban Systems*, January 15, 2001- 2007.

**Contributing editor** for *GeoWorld* (since 2004)

GIScience section **editor** for Sage’s *Encyclopedia of Human Geography*.

**Guest Editors:** *Journal of Geography* (for a special issue on Geography and Geographic Education in the Age of the Internet); *Annals of the AAG* ( for a Book Forum on A Solution to the Ecological Inference Problem: Reconstructing individual behavior form aggregate data by Gary King and for a special issue on Tobler’s first law in geography); *The Professional Geographer* (for a special issue on “Geography of the U.S. in the year 2000); *Geographical Review* for the special issue of ***Geographical Review*** on “Tracking kids, dogs, old people, and everybody else in between,” published in July 2007.

**Editorial Board:** *Geographical Analysis*, *Urban Geography*, *Geographic Information Science*, *Southwestern Geographer*, *Computers, Environment, and Urban Systems*, *International Journal of Society System Science (IJSSS)*

**Member**, Geography and Regional Science Program Review Panel, the U.S National Science Foundation, 2002-2004.

**Member**, GIScience Model Curriculum Committee, the U.S. University Consortium for Geographic Information Science (UCGIS).

**External reviewer** for the GIScience program at Chinese University of Hong Kong.

**Member**, Earth Science Department Expert Review Panel, The Natural Science Foundation of China, 2002-2004.

**Organizer and Chair**, on Spatial Dimensions of the Small World. Annual Meeting of the Association of American Geographers, Denver, March 24-27, 2005.

**Member**, Committee to Review the GIS Program in the Dept. of Housing and Urban Development (HUD), National Research Council, January 15, 2002 to January 15, 2003.

**Organizer and Chair**, On Tobler's First Law of Geography. 99<sup>th</sup> Annual Meeting of the Association of American Geographers, New Orleans, March 4-7, 2003.

**Organizer and Chair**, The Geography of the United States in the Year 2000. 98<sup>th</sup> Annual Meeting of the Association of American Geographers, Los Angeles, March 19-22, 2002.

**Committees Served at Texas A&M:**

Member, The Qatar Project Advisory Board since August 2004.

Member, Provost's Task Force on Children, Youth, and Family (CYF) Initiative, 2002-present; Executive Committee member since January 2004.

China Week Organizing Committee, 2003-2004.

Member, President Bowen's 20/20 Vision Committee, 1998-present

Member, Dean's Research Enhancement Fund Committee, Fall 1996 - present.

Member, Vice Chancellor's Advisory Committee on the Mapping Science Program.

Chair, Geography Department's Equipment and Facility Management Committee, since Fall 1995- Fall 1998

Chair, Physical/Technique Faculty Search Committee, Fall 1997

Member, College of Geosciences Research Council

Member, Dean's Search Advisory Committee

Member, College Graduate Curriculum & Instruction Committee, since Spring 1996

Member, College GLEAF Fund Committee, since Fall 1995

Member, Geography Department's Technique Curriculum Committee, Since Fall 1997

Member, Geography Faculty Search Committee, 1994, 1995, 1996, 1997.

Member, Geography Department's 25<sup>th</sup> Anniversary Celebration Committee, Fall 1995

Member, Geography Department's Graduate Admission Committee, since Spring 1995

Member, College Faculty Advisory Board of the Capturing the Spirit Campaign, since Fall 1994

Member, the University Scholarship Committee, since summer 1996

**Undergraduate Advisor**, since Summer 1994 -1998; 2001-present.

**Graduate Program Director**, Fall 1997- Fall 2000

**Chair, Academic Development Committee**, 1996-1997, **The Chinese Professional Association of Geographic Information Systems (CPGIS)**

**Co-organizer**, The Woodlands Field Trip for the *4th International Symposium on Landscape Ecology*, Galveston, Texas, March 26-28, 1996.

**Chair**, Best Paper Award Committee, for *Geoinformatics '96*.

**Co-Chair**, 1995 Summer Institute of GIS in Natural Resources, funded by the United Nations Development Program (UNDP), June 15 - August 17, 1996.

**Manuscript Reviewer for Refereed Journals**, Annals of the AAG, Geographical Review, Environment and Planning A, Journal of Water Resources and Planning, International Journal of Geographic Information Science, Photogrammetric Engineering and Remote Sensing, Geographic Information Science, Urban Geography; Journal of Geography; Canadian Journal of Remote Sensing; Applied Geography, Socio-Economic Planning Sciences, The Professional Geographer, Area, International Journal of Health and Geographics, Environment and Planning B, and Urban Studies.

**Book Manuscript Reviewer for Commercial Publishers**, The U.S. National Academy of Science (1), John Wiley & Sons(4), and West Publishing Co(2), Blackwell Publishing (3), Prentice Hall (2).

**Member of the IGERT Review Panel for the National Science Foundation, 1999.**

**Member of the Technology for Sustainable Environment (TSE) Review Panel for the National Science Foundation, 2001.**

**Proposal Reviewer:** The U.S. National Science Foundation (NSF) Geography and Regional Science Program, Science & Ethics Program, International Program, Graduate Education Program, Environmental Engineering Program; Austria Science Fund, Ministry of Science & Education, Greece; Natural Science Foundation of People's Republic of China; The U.S. Department of Education's GENIP Program; Louisiana Board of Regents, Advanced Research Program; California State University System Board of Regents; EPA's STAR Program, FAO's Sustainable Development Program; City University of New York's Public Health Initiative; FAO's Sustainable Development Program.

**Organizer and Chair**, National Panel Discussion on "Applications of Neural Networks and Parallel Processing for Spatial Data Handling: Problems and Prospects." *GIS/LIS '94*, Phoenix, Arizona, Oct. 22-28, 1994.

**Organizer**, "Applications of GIS and Remote Sensing (II)" Session, *17th Applied Geography Conference*. Akron, Ohio, Oct. 10-13, 1994.

**Chair**, "Modeling the City and Urban Systems" Session, *1994 AAG Annual Meeting*, San Francisco, March 28-April 2, 1994.

**Paper Discussant**, *Annual Meeting of Southeast Division, Association of American Geographers*, Louisville, Kentucky, November 22-23, 1992.

**Chair**, "Expert Systems: Neural Networks and Rulebase Development" Session. *GIS/LIS'92 Annual Conference*, November 9-14, San Jose, California.

**Student Volunteer Coordinator** for the Local Organizing Committee, *GIS/LIS'91, Annual Conference*, Atlanta, Georgia, October 28-November 2, 1991.

**Participant**, *World Geography Bowl Competition*, member of Georgia Team, Asheville, North Carolina, November 24-25, 1991.

**Program Chair**, *Eighth Annual Georgia-Florida Geography Conference*, Athens, Georgia, February 13-15, 1991.

**Student Volunteer**, for the Local Organizing Committee, *87th AAG Annual Meeting*, Miami, Florida, April 13-17, 1991.

**Graduate Student Representative**, 1988-1989, *Institute of Remote Sensing, Peking University*.

**Colloquium Coordinator**, 1988-1989, *Institute of Remote Sensing, Peking University*.

**President**, *Association of Geography Major Undergraduates*, 1984-1985, Peking University.

**Vice President**, *Association of Geography Major Undergraduates*, 1983-1984, Peking University.

## CONSULTING WORK

Applications of geospatial technologies in Sichuan earthquake relief and rescue operations, China's National Center for Disaster Relief and Reduction, Beijing, May 12-18, 2008.

The United Nations Development Program (UNDP) for the Eco-City Construction Project in China, 2006.

The United Nations Development Program (UNDP) for the China's Eco-City Development Project, 2005-2007.

Ambers Software Inc. for SimSeg (A leading software to simulate residential segregation).

Knowledge Based System Inc. for the development of automated real-time combat planning system for the U.S. Army, Spring 2003.

PCHomes, Inc. for the development of the AVM model, Summer 1999.

EVC Environmental Consulting, Inc., British Columbia, Canada, for the Sustainable Development Planning Initiative around Bohai Bay Area, Tianjin (funded by the Asian Development Bank), 1998.

Dodson and Associates, Inc., August 1 -30, 1997, on "Areal Interpolation."

Harris County Flood Control District (HCFCD), Houston, Texas, for project 0456 "Harris County Flood Control Planning Initiative," 06/01/1997 – 09/05/1997.

The U.S. Army Corps of Engineers – Galveston District, for project USACE96541 “Integrating GIS and Hydrological/Hydraulic Modeling for Floodplain Mapping and Flood Damage Analysis,” Summer 1996 and 1997.

The United Nations (UN) Food and Agricultural Organization (FAO), for the project 1035/DRR11, 05/01/1995--01/01/1997.

Texas Maritime Academy, for the 1996 summer teaching cruise.

Taiwan’s Environmental Protection Administration, for the project of “Implementation of GIS in local EPA offices,” 06/15/1995--08/15/1995.

Pan Zhi Hua Municipal Government, Sichuan Province, P.R. China, for the project “The development of spatial decision support system for sustainable development,” 12/15/1995--12/15/1998.

Wilson County Appraisal District, May 1994.

Brazos County Appraisal District, June, 1995.

## INVITED PRESENTATIONS AND COLLOQUIUMS

- 2011. Rethinking strategies for urban sustainable development: Implications for Shanghai and other big cities in China. 2011 Shanghai Forum on New Models for Asian Urbanization, Shanghai, May 28-30.
- 2011. Citizen science, volunteered geographic information, and the future of GIS. 2011 Workshop in Advances in GIScience, Center for Intelligent Spatial Computing, George Mason University. March 14.
- 2011. Census 2.0 and the role of VGI. Graduate Interdisciplinary Specialization in Survey Research (GISSR), The Ohio State University, Columbus, Ohio, Jan. 14.
- 2010. Wikification of GIS: Implications for agricultural research. China Agricultural University, Beijing, Nov. 11.
- 2010. GIS and Public Health Research: The role of VGI, National Center for Disease Control, Beijing, Nov. 10
- 2010. Urban and regional analysis: Perspectives from the spatially integrated social sciences. Center for Urban & Regional Analysis, School of Government, Peking University, Nov. 9.
- 2010. Eco-city development and building the world’s harmonious cities: The role of VGI. 2010 Beijing Forum, Beijing, Nov. 5-7, 2011.
- 2010. Root metaphors in urban modeling: Have we made any progress during the past 50 years? Knowlton School of Architecture, The Ohio State University, Columbus, Oct. 22.
- 2010. What kind of space(s) for what kind of integration? Rethinking spatial integrated social sciences in the 2<sup>nd</sup> decade of the 21<sup>st</sup> Century. Keynote Address, 2<sup>nd</sup> International Workshop on Spatially Integrated Social Sciences and Humanities, Nanjing, Oct. 14-17.
- 2010. Pepper’s world hypotheses and changing paradigms in urban modeling. C.P. Lo Memorial Lecture in GIScience and East Asian Studies. University of Georgia, Athens, Georgia, Sept. 24.

2010. Strategic directions for geographical sciences in the U.S.: Implications for geographic research in China. State Key Laboratory for Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing, June 21.
2010. Advances in GIS-based spatial analysis and modeling: Reflections on the strategic directions for human geography research in the U.S. Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, June 17.
2010. Linking geoinformatics with bioinformatics for comprehensive cancer research: New geographic analysis from genomic to global scale. National Cancer Institute (NCI), Bethesda, Maryland, May 28.
2010. Career opportunities in geography and GIS. OSU Geography Club, Columbus, Ohio, May 22.
2010. Creating a new regional economic reporting card using geospatial mapping and visualization technologies. Annual Conference of Community Research Partners, Powell, Ohio, May 14.
2010. VGI and the production of geographic knowledge: A step towards consilience or epistemological anarchism? National Center for Geographic Information and Analysis (NCGIA) and Department of Geography, University of California, Santa Barbara, Feb. 12, 2010.
2010. VGI and SDI: Insights from the long-tail theory. USGS Workshop on Volunteered Geographic Information (VGI), Washington, D.C., Jan. 11-13, 2010.
2009. The geospatial revolution and the spatial turn in social sciences and humanities. Keynote speech for the International Symposium on Spatially Integrated Social Sciences, Taipei, Taiwan, Dec. 11-13, 2009.
2009. Your stolen geography: Protecting your location privacy in the age of pervasive surveillance, 2009 National GIS Day/Geography Awareness Week Exhibit, Thompson Library, Ohio State University, Columbus, Nov. 19.
2009. Volunteered Geographic Information: Application in environmental and urban planning. Department of Landscape Architecture and Urban Planning, Utah State University, Logan, Utah, Nov. 4.
2009. GIS and Public Health Research: Towards a new synthesis. College of Public Health, The Ohio State University, Columbus, Ohio, Oct. 22, 2009.
2009. Rethinking geography and geographic research in the age of Web 2.0. Department of Geography, Kent State University, Kent, Ohio, Oct. 9, 2009.
2009. Is neogeography really new? Department of Geography, University of Kansas, Lawrence, Kansas, Feb. 17, 2009.
2009. Bits of Geography for Urban & Regional Analysis. Department of Geography, The Ohio State University, Feb. 4, 2009.
2008. Map as wiki. Institute of British Geographers (IBG) Global E-seminar, December 17, 2008 (was broadcasted live via the Internet).
2008. GeoCollaborative approach for crisis management. Keynote address for the International Joint Workshop on GeoCollaborative Crisis Management (GCCM), December 2-5, Pennsylvania State University, University Park, PA.
2008. Discovery through GIS. GIS Day Public Lecture, Nov. 19, Texas A&M University, College Station, TX 77845.
2008. Geospatial technologies, grassroots intelligence, and the new diplomacy: Implications for homeland security. Nov. 12, Integrative Center for Homeland Security, George Bush School of Government and Public Services, College Station, TX 77845.
2008. Sichuan earthquake and volunteered geographic information: Towards a wiki GIS framework. Center for Hazard Reduction and Recovery, Oct. 10, College Station, Texas.

2008. A wikimetric approach for global health. Institute of Health Metrics and Evaluation (IHME) and Department of Global Health, School of Public Health, University of Washington, Oct. 8., Seattle, Washington.
2008. Workshop on “Volunteered Geographic Information and Cartographic Research.” The 2008 International Symposium on Automated Cartography (AutoCarto 2008). Shepherdstown, West Virginia, Sept. 8-11.
2008. Volunteered geographic information and GIScience Research. The Third Nordic Summer School in Geographic Information Science, University of Gävle, Aug. 18-22, Gävle, Sweden.
2008. Wisdom of the cartographic crowds: Implications for public policy and sustainable development. School of Public Policy, Texas Southern University, Aug. 6, Houston.
2008. Geographic research in the age of digital earth. 2008 China’s National Summer School for Young Geographers, July 18, Beijing, China.
2008. Geospatial Matters: The implications of digital earth for health. International Workshop on “Mapping Obesity and Poverty,” June 20, Seattle, WA.
2008. Volunteered geographic information and natural disaster management. Peking University Shenzhen Graduate School, May 26, Shenzhen, China.
2008. User-generated content and the future of spatial data infrastructure. Dept. of GIScience, China Agricultural University, May 22, Beijing, P.R. China.
2008. The geospatial technologies and Sichuan earthquake. Keynote speech at the opening of 2008 Resource Week, Beijing Normal University, May 19, Beijing, P.R. China
2008. The relevance of geography for society in the age of Web 2.0, National Research Council Committee on “The Future of Geography,” April 17, Boston, MA.
2008. Map as wiki: towards a cartographic research agenda in the age of Web 2.0. Department of Geography and GeoVista Center, The Pennsylvania State University, March 24, University Park, Pennsylvania.
2008. Free geospatial technologies for Africa: Will the volunteered geographic information help Africa to achieve its goals of sustainable development? 2008 Global Dialogues on the Emerging Science and Technology, sponsored by the U.S. State Dept., March, 17, Cape Town, South Africa.
2008. The wikification of GIS and its implications of urban & regional research. Center for Urban and Regional Studies, The Ohio State University, Feb. 29, Columbus, Ohio.
2008. Volunteered geographic information and the future of spatial data infrastructure (SDI). Department of Geography, University of Cincinnati, Feb. 28, Cincinnati, Ohio.
2008. The wikification of GIS and its impacts on geography. Department of Geography, weekly colloquium, Texas A&M University, Jan. 18, College Station, Texas.
2007. Emerging new geography of China. Workshop on Contemporary China for Texas Teachers. Nov. 29-30, College Station, Texas.
2007. GIS and Public Health Research: Challenges and opportunities. School of Rural Public Health, Texas A&M Health Science Center, Oct. 5., College Station, Texas.
2007. GIS and Public Health: Towards a new synergy. The U.S. Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, August 22.
2007. Geospatial technologies for surveillance: Legal and ethical dilemmas. Beijing Normal University, Beijing, May 23.
2007. Research advances at Texas A&M and potential collaborations between TAMU and Shandong Province (with Jim Calvin). 2007 Shandong Industry-University-Research Institute Fair, Jinan, Shandong, May 16.
2007. Overview of surveillance technologies and privacy concerns. 32<sup>nd</sup> AAAS Forum on Science & Technology, Washington D.C., May 3.



2007. GIS for food security and poverty mapping. Department of Human Geography, University of Amsterdam, March 13.
2007. GIScience and the third culture: Seeking new horizons. Department of Geography, National University of Singapore, March 1.
2007. Geospatial Research and Education at Texas A&M. University of Texas – El Paso, January 22.
2006. GIS and Environment Science: Exploring new integration. Fudan University, Shanghai, Oct. 27.
2006. Challenges for Eco-city development in China. Peking University Shenzhen Graduate School, Shenzhen, Oct. 23.
2006. What can/should China learn from South Korea's new village movement? 2006 Beijing Forum, Beijing, Oct. 18.
2006. Legal and ethical dilemmas of tracking kids, dogs, old people, and everybody in between. Government Accountability Office (GAO), The U.S. Congress, Washington D.C., July 11.
2006. Recent developments of geospatial technologies and their applications in coastal hazard mapping. The First Institute of Oceanographic Research, The National Oceanographic Administration, Qingdao, China, June 26.
2006. Frontiers of Geographic Information Science. Shandong Normal University, Jinan, China, June 20.
2006. GIS-based spatial analysis and modeling for urban and environmental studies. Northeast Institute of Geography and Agricultural Ecology (NEIGAE), Changchun, China, June 16.
2006. A GIS-based Bayesian approach for fatal traffic accident analysis: The case of Houston. School of Geographical and Remote Sensing Sciences, Beijing Normal University, Beijing, June 6.
2006. GIS for urban studies: Examples from Texas. Tsinghua University, Beijing, May 28.
2006. Environmental consequences of the digital economy. Research Center for Eco-Environment Sciences, Chinese Academy of Science, Beijing, May 26.
2006. Geospatial technologies and the E-merging Panopticon (2006 Tod Spieker lecture). Department of Geography, University of California, Los Angeles, May 5.
2005. New strategies for eco-city development. Institute of Public Policy, University of Houston, Houston, Oct. 12.
2005. What's next for GIScience? Department of Geography Colloquium, University of North Texas, Denton, Sept. 30.
2005. The new poetics of space: Ubicomp and the future of GIS. Commence speaker for the M.S. in GIScience at University of Redlands and ESRI Headquarter, Redlands, July 19.
2005. GIS and urban studies. Department of Geography, The New University of Lisbon, Portugal, July 11.
2005. Recent trends of geography graduate education in the U.S., Department of Geography, University of Porto, Portugal, July 9.
2005. Ecocity Development: Western experience vs. the Chinese reality. Ecocity Development Workshop, Guiyang, June 24.
2005. Ubicomp and the future of GIScience. Institute of Geography and Natural Resource Research, Chinese Academy of Sciences, Beijing, June 3.
2005. GIS applications in public health research: Recent trends in the U.S., School of Geographical and Remote Sensing Sciences, Beijing Normal University, Beijing, May 26.
2005. Geography through the body: obesity, built environment and the quest for healthy communities. *Governor's Council on Community Vitality*, May 12-13, East Lansing, Michigan.
2005. GIS and homeland security: Some conceptual and operational issues. *National Workshop on GIS and Homeland Security*. April 21-24, Indianapolis, IN.

2005. Ubiquitous computing and the future of geography. Keynote speaker, Geography Research Symposium, Texas State University. San Marcos, April 22.
2005. A geographic perspective on the Sino-US relationship. US-China Business Forum. Dallas, March 14.
2005. Recent trends of GIS in the U.S.: Idrisi in search of a digital Alexandria? School of Information Science, University of Zagzig (Zagzig) and Arab Academy for Science and Technology (Alexandria), Egypt, Feb. 1-7.
2004. Fat Geography: A geographic perspective on the obesity epidemic. Dept. of Geography, the University of Texas at Austin. Austin, TX., Oct. 1.
2004. Emerging Research Frontiers in GIScience. Department of Technology and Built Environment, University of Gävle, Sweden, June 9.
2004. Bits of Geography through the Digital Looking-glass. Department of Geography and School of the Computational Sciences, George Mason University, Virginia, April 7.
2003. GIScience Education: Beyond the tool box. Department of Geography, Changhua Normal University, Changhua, Taiwan, Oct. 2.
2003. GIS-based Modeling: From local studies to global poverty mapping. National Global Change Research Center. Taipei, Taiwan, Oct. 1, 2003.
2003. GIS and Society: Social implications of a powerful technology. Department of Geography, National Taiwan University, Taipei, Taiwan, Sept. 29, 2003.
2003. GIS-based urban modeling: What should we do next? Department of Resource and Environment Management, Beijing Normal University, Beijing, Sept. 25.
2003. GIS and GIScience Education in the U.S. Department of Human Geography, University of Barcelona, Barcelona, Spain. May 27.
2003. Maps of Poverty and the Poverty of Maps: Recent academic discourses on the social construction of maps and their implications for policy makers. Workshop on "Mapping Poverty" sponsored by the United Nations and European Commission. Brussels, Belgium. May 21-23.
2003. M.C. Escher and geographical imaginations. UGA Distinguished Alumni Annual Lecture, University of Georgia. Athens, GA.: April 18.
2003. GIS-based spatial analysis of the obesity epidemic in the U.S. The U.S. Center for Disease Control and Prevention (CDC). Atlanta, GA., April 17.
2003. GIS and Urban Studies: Examples from Texas cities, Department of Geography and Anthropology, Georgia State University. Atlanta, GA., April 16.
2003. Frontiers in geographic information science. Keynote address to the Annual Meeting of Taiwan's Geographical Society. Taipei, July 3-5.
2003. A GIS-based lacunarity analysis of urban residential segregation: The Wilson hypothesis revisited. Department of Geography and Urban Planning, Michigan State University. East Lansing, MI., April 11.
2002. GIS and sustainable coastal zone management. SCMP Program Annual Meeting at GERG,. College Station, Texas, December 19.
2002. GIS, hydrological modeling, and watershed management: Possible collaborations under the EU framework 6. Université Montesquieu - Bordeaux IV. Bordeaux, France, November 10.
2002. Environnemental salvation by the Internet? Paradoxes in technological innovation. Center for Advanced Spatial Analysis (CASA), University College London (UCL), London, May 27.
2002. GIS and remote sensing technologies for global food security mapping. Mexican Ministry of Agriculture. Mexico City, Mexico, May 16.
2002. Exploring the digital earth through the looking glass of GIS. National Institute of Geography and Statistics (INEGI), Aguascalientes, Mexico, May 17.

2002. Digital earth: The new frontier. Texas A&M University Mexico City Center, Mexico City, Mexico, May 21.
2002. The distance between education and distance education. Invited presentation for the Conference on the Future of Universities: 125 years from now, sponsored by the Office of Vice President Research, Texas A&M University. College Station, TX., April 17.
2001. Will information technology (IT) save the planet earth? National Center for Geographic Information and Analysis (NCGIA), Department of Geography, University of California, Santa Barbara, CA. April 25.
2001. GIS-based spatial analysis and multi-criteria evaluation for global food security and poverty mapping: Results from an initial exploration. The Food and Agricultural Organization of the United Nations. Rome, Italy. February 22.
2001. GIS-based urban modeling: From GIS to GIScience. The University of Rome. Rome, Italy. January 16.
2000. An overview of GIS education in the U.S. Department of Geography, Nanjing Normal University. Nanjing, P.R. China. June 8.
2000. GIScience and Geography. International Forum on the Advances in Geographic Research. Nanjing, P.R. China. June 5-8.
2000. The role of GIS in sustainable development. Symposium on Stewardship of Private Lands. George Bush International Conference Center, College Station, TX., April 2-4.
2000. GIS and Urban Studies: Towards a new synthesis. Invited lecture, Department of Geography, National University of Singapore. March 22, 2000.
1999. GIS and the Search for Ideal Cities. The GIS Day Lecture, Vassar College, Poughkeepsie, New York, November 19.
1999. Connecting the world with language. International Conference on English as a second language. George Bush International Conference Center, College Station, TX., November 2-4.
1999. Visuality, Aurality, and the Reconfiguration of Geographic Discourse during the Late 20th Century, Department of Geography, University of Colorado, Boulder, March 12, 1999.
1998. Integrating GIS with Hydrological Modeling for Floodplain Mapping, Department of Geography, Texas A&M University, November 5.
1998. Virtual Cities and Their Discontents, Department of Urban Planning and Regional Science, Texas A&M University, April 15.
1998. Keynote Speech -- "Chaos Theory, Postmodernism, and the Reconfiguration of Geographic Thoughts: Toward a reconciliation of quantitative and qualitative approaches in geography," 13<sup>th</sup> Georgia-Florida Annual Meeting, Athens, Georgia, Feb. 14, (Canceled due to illness).
1997. The Emerging Geographic Information Science, Department of Geography, The Chinese University of Hong Kong, March, 26.
1997. GIS-Based Urban Modeling: Practices, problems, and prospects. International Workshop on GIS in Spatial Population Analysis and Regional Economic Development, Hong Kong, March 24-25.
1997. The GUT of GIS and Frontiers of Urban Studies, School of Social Sciences, University of Texas at Dallas, Dec. 10.
1997. FIRM Maps Are Not So Firm: Uncertainties in FEMA's Flood Insurance Rate Maps (FIRM), Hazard Reduction and Recovery Center, Texas A&M University, November 13.
1997. GIS-based Simulation of Urban Development: Old wine in new bottles or a new departure from convention? Department of Geography and Planning, University of Northern Illinois, October 24.

1997. GIS-based Environmental Modeling: Practices, problems, and prospects, Environmental Science Program, Department of Geology and Geophysics, Texas A&M University, College Station, Texas, Oct. 3.
1997. GIS and Ecological Research, Ecological Research Group, Department of Entomology, Texas A&M University, College Station, Texas, Sept. 8.
1996. GIS Programs and Activities at Texas A&M University, Naval Oceanographic Office, John C. Stennis Space Center, Mississippi, Oct. 9.
1996. Opening the Pandora's Box in Environmental Equity Analysis, Race and Ethnic Studies Institute Weekly Seminar, Texas A&M University, College Station, Texas, April 24.
- 1996 An Overview of the Information Society and Information Technologies, World Bank-financed Workshop on the Applications of Information Technology in Agriculture, Texas A&M University, College Station, April 16-17.
1996. GIS-Based Spatial Analysis, Modeling, and Simulation: A case study on the changing spatial structure of Hong Kong, Department of Geography, University of South Carolina, Columbia, South Carolina, Feb. 13.
1996. Global Positioning Systems (GPS) and its Applications in Natural Resource Management, Academy of Planning and Design, Ministry of Forestry, Beijing, P.R. China, January 5.
1996. Applications of Neural Computing in Spatial Data Handling, Institute of Remote Sensing and GIS, Peking University, Beijing, P.R. China, January 6.
1996. New Directions in Geographic Information Science, Institute of Remote Sensing and GIS, Peking University, Beijing, P.R. China, January 6.
1995. The Latest Development of GIS in the U.S., Institute of Remote Sensing and GIS, Peking University, Beijing, P.R. China, December 24.
1995. Recent Trends in American Geography, Department of Geography, Peking University, Beijing, P.R. China, December 22.
1995. Global Positioning System (GPS): What is it? What can you do with it? An invited lecture to NSF-sponsored Camp Planet Earth, Texas A&M University, June 9.
1992. Integrating Urban Models with GIS for Urban Development Simulation, Weekly Seminar, Department of Geography, Texas A&M University, College Station, Texas, December 4.
1992. Geographic Perspectives on AIDS, a presentation given to *Professor Wheeler's* Introduction to Human Geography (GGY101) Class, Department of Geography, The University of Georgia, Athens, Georgia, July 17.
1992. Integrating Neural Networks and Geographic Information Systems for Composite Landscape Assessment: An Initial Investigation, Second Annual University System Symposium on Research, Georgia Center for Continuing Education, Athens, Georgia, May 13-17.
1991. Neural Networks: What Is It and How Can It Be Integrated with GIS ? The First Geography Graduate Student Colloquiums, Department of Geography, The University of Georgia, Athens, Georgia, April 13.
1991. China: Its People and Its Culture, Oconee County Primary School, Watkinsville, Georgia, December 4.

**PAPERS PRESENTED IN PROFESSIONAL MEETINGS  
AND ABSTRACTS PUBLISHED**

- Lee, K., Z. Cheng, J. Caverlee, and D.Z. Sui, 2011. Detecting coordinated campaigns in social media. The 34th Annual ACM SIGIR Conference (SIGIR2011), Beijing, July 24-28.

- Li, S., B. Yang, and D.Z. Sui, 2011, Comparing self-organizing and planned urban growth: Empirical evidence from Shenzhen, China. The 5th International Association for China Planning (IACP) Conference, Beijing, June 25-28.
- Yang, Xining and D.Z. Sui, 2011. Methods of data integration for volunteered geographic information: An inventory of existing approaches. AAG Annual Meeting, Seattle, April 12-16.
- Sui, D.Z., 2010. A geographic conceptual framework for understanding the spatio-temporal constraints on social networks. Workshop on Spatial-Temporal Constraints of Social Networks, Santa Barbara, CA., December 12-14.
- Sui, D.Z., 2010. Volunteered geographic information research priorities. National Mapping Science Committee, Washington, D.C., Oct. 29-30.
- Sui, D.Z., 2010. Health/medical geography 2.0. *AAG Annual Meeting*, Washington, D.C., April 14-18.
- Sui, D.Z., 2010. Public health informatics infrastructure: Research needs. National Mapping Science Committee, Washington, D.C., Jan. 7-9.
- Sui, D.Z., 2009. Volunteered geographic information and geographic research. *AAG Annual Meeting*, Las Vegas, March 22-27.
- Sui, D.Z., 2008. Neogeography in the age of digital earth. *International Workshop on the Progress of Geography*, July 22, Beijing, P.R. China.
- Sui, D.Z., 2008. The role of geospatial technologies in CDC's "Healthy People in Health Places" Initiative. Workshop on "Healthy People in Healthy Places," May 6-7, Atlanta, GA.
- Sui, D.Z., 2008. Strategic directions for geography in the next decade: Network science, Web 2.0, and beyond. *AAG Annual Meeting*, Boston, MA., April 15-19.
- Sui, D.Z., 2007. Research administration in American Universities: Implications for Chinese Universities. 2007 Beijing Forum, Beijing, China, Nov. 2-4.
- Sui, D.Z. and J. Holt, 2007. Spatial-temporal analysis of obesity and poverty in the U.S.: 1990-2000. *ESRI National Symposium for GIS and Public Health*, Scottsdale, AZ.: Oct. 10-12.
- Sui, D.Z., 2007. Detecting small-world characteristics on transportation networks using a spatial autocorrelation approach. *7<sup>th</sup> International Symposium on GeoComputation*, Maynooth, Ireland, Sept. 3-6.
- Sui, D.Z., 2007. Google Earth: Implications for GIScience. *2007 AAG Annual Meeting*, San Francisco, CA., April 16-21.
- Sui, D.Z., 2006. Geospatial information science and technology: The next frontier. *2006 AAAS Forum on Science and Technology*, April 22-24, Washington D.C.
- Sui, D.Z., 2006. Geoslavery, Cyber-suicide, and E-Waste: Paradoxical consequences of ubicomp. *2006 AAG Annual Meeting*, March 8-11, Chicago, IL.
- Sui, D.Z., 2006. The Location of Identity: Reclaim the Stolen Geography. Symposium on "Orwell's Wolf Is Back: Tracking Kids, Dogs, Old People, and Everybody In Between" during *2006 AAAS Annual Conference*, Feb. 16-21, St. Louis, Missouri.
- Sui, D.Z., 2005. Geospatial technologies for coastal area preservation: Potentials for Sino-US collaboration. *The 2<sup>nd</sup> China-US Conference on Diplomacy, Trade, and Research – ALERT II Roundtable Discussion*, Beijing, P.R. China, Nov. 14-17.
- Sui, D.Z., 2005. GIS-based spatial analysis in public health: A comparison of cartogram vs. choropleth maps. *The 3<sup>rd</sup> ESRI GIS and Public Health Conference*, Chicago, IL., Oct. 24-26.
- Sui, D.Z., 2005. GIS and homeland security: Some conceptual and operational issues. *National Workshop on GIS and Homeland Security*. Indianapolis, IN., April 21-24.
- Sui, D.Z., 2005. Implications of ubicomp for GIScience. *Emerging Technology Summit (II)*, Washington, D.C., April 15-16.

- Sui, D.Z., 2005. Geographic perspectives on drunk driving: A multi-scale analysis. *AAG Annual Meeting*, Denver, CO., April 6-10.
- Sui, D.Z., 2004. Potentials of GIS for national comprehensive cancer control (CCC). *National Workshop on GIS for Public Health*, Santa Barbara, CA., Nov. 16-18.
- Sui, D.Z., 2004. Binge drinking and religion: A geographical analysis. *SWAAG Annual Meeting*, Nacogdoches, TX., Nov. 10-12.
- Sui, D.Z. 2004, A geographic perspective on the global trends of obesity and stunting. *International Geographical Union (IGU) Symposium*, August 8-12, Glasgow, UK.
- Sui, D.Z., 2004. The futile pursuit of good city form: Can we end the brawl on sprawl? *The Third Hawaii International Conference on Social Sciences*. Honolulu, Hawaii, June 16-19.
- Sui, D.Z., 2004. A geographic perspective on location-based services (LBS): The death of distance or the revenge of geography? *12<sup>th</sup> International Symposium on Geoinformatics*. Gävle, Sweden, June 5-9.
- Tu, W. and D.Z. Sui, 2004. Are digital cities sustainable? *The International Symposium on Urban Sustainable Development*. Shanghai, P.R. China, May 23-25.
- Sui, D.Z., 2004. GIS, virtual reality, and 3-D visualization. *International Conference on Integrating Geospatial Technologies*. Orlando, Florida, May 22-25.
- Sui, D.Z., 2004. IT from BIT? Exploring the interrelationships among information, material, and energy flows. *NSF-EPA Grantees' Workshop*. Washington, D.C., May 16-19.
- Sui, D.Z., 2004. GIS, cartography, and the third culture: Geographic imaginations in the computer age. *2004 AAG Annual Meeting*. Philadelphia, PA., March 14-19.
- Gavinha, J. and D.Z. Sui, 2003. El 'Crecimiento inteligente': la nueva forma de gestionar el desarrollo urbano en Northeamérica. *V Coloquio Internacional de Geocritica*. Barcelona, Spain, May 26-30.
- Sui, D.Z., 2003. Tobler's First Law of Geography: A big idea for a small world? *2003 AAG Annual Meeting*. New Orleans, LA., March 4-9.
- Sui, D.Z., 2003. Geographical dimensions of the obesity epidemic in the U.S.: 1991-2000. *2003 AAG Annual Meeting*. New Orleans, LA., March 4-9.
- Sui, D.Z., 2002. Environmental impacts of E-commerce: The case of software sales. *International Symposium on IT and Environment*. Tokyo, Japan, Sept. 19-21.
- Sui, D.Z. and F.Y. Lai, 2002. Visualizing the invisible: A GIS approach for mapping cyberspace. *2002 AAG Annual Meeting*. Los Angeles, CA., March 14-17.
- Tu, Wei and D.Z. Sui, 2002. Exploring the environmental impacts of the digital economy using input-output analysis: The case of Austin. *2002 AAG Annual Meeting*. Los Angeles, CA., March 14-17.
- Gay, R., D.T. Phillips, and D.Z. Sui, 2002. The environmental and economic impacts of the emerging digital economy. *2002 Institute for Industrial Engineers Annual Conference*, Orlando, FL., May 19-22.
- Sui, D.Z., 2001. GIS-based multi-criteria analysis for global food security mapping. *International Symposium on the Advances in Agricultural Science and Technology*. Nov. 7-10, Beijing, China.
- Sui, D.Z. and D.T. Phillips, 2001. Modeling the Environmental Impacts of E-commerce using SmartCost. *2001 International Symposium on Environmental Informatics*. Zurich, Switzerland, Oct. 6-9.
- Sui, D.Z., 2001. Digitally Enabled Development: From digital divide to digital dividend? *National Symposium on Digital Technologies and Environment*. Philadelphia, PA., July 19-22.

- Sui, D.Z. and B.X. Wu, 2001 A new multi-scale measure for residential segregation. *New Modelings Techniques in Landscape Ecology Conference*. Arizona State University, Tempe, AZ., April 21-23.
- Sui, D.Z., 2000. New residential segregation patterns in Houston. *2000 SWAAG Annual Meeting*, College Station, TX., Oct. 5-8.
- Sui, D.Z., 2000. Environmental consequences of telecommuting. *International conference on the E-commerce and the Environment*. New York, NY., Oct. 23-25.
- Sui, D.Z., 2000. How smart is the Smart Growth Initiative? The case of Austin, Texas. *2000 AAG Annual Meeting*. Pittsburg, PA., April 2-6.
- Sui, D.Z. and P.J. Hugill, 2000. GIS and local politics. *National Conference on the New Methodologies in Political Research*. Boulder, CO., March 19-22.
- Sui, D.Z., 1999. Self-organizing criticalities in urban metabolism. *International conference on Telecommunications and the City*, sponsored by British Telecommunication Inc., Durham, England. Nov. 19 - 22.
- Sui, D.Z., 1999. Mapping Cyberspace Using GIS. *TeleGeography, Inc.*, Washington, D.C. August 10.
- Sui, D.Z., 1999. An ear for an eye? Shifting metaphors in geographic discourse. *1999 AAG Annual Meetings*, Honolulu, March 20-24.
- Sui, D.Z., 1999. GIS as media? *GISOC'99 - International Conference on GIS and Society*, Minneapolis, Minnesota, June 19-21.
- Sui, D.Z., 1998. GIS-based spatial analysis and modeling (A&M): From syntax to semantics. *The Varenius Project Specialist Meeting on "The Status of Spatial Analysis."* Santa Barbara, CA., December 10-13.
- Sui, D.Z., 1998. Spatial-temporal patterns of Internet Access. *The Varenius Specialist Conference on "Measuring and Representing Accessibility in the Information Age."* Pacific Grove, CA.: November 19-23.
- Sui, D.Z., 1998. GIS and Society: A tetratic analysis using McLuhan's Law of Media. *GIS/LIS'98*, Forth Worth, TX., November 6-9.
- Sui, D.Z. and R.C. Maggio, 1998. FIRM maps are not so firm: Uncertainties in FEMA's flood insurance rate map and how GIS can help. *GIS/LIS'98*, Forth Worth, TX., Nov. 6-9.
- Yang, D.C. and D.Z. Sui, 1998. GIS-based long range transportation modeling: A case study for the Oklahoma city, 1990-2020. *GIS/LIS'98*, Forth Worth, TX., Nov. 6-9.
- Sui, D.Z., 1998. The emerging new patterns of urban residential segregation: Evidence from the Houston metropolitan area in the 1980s. *1998 SWAAG Annual Meetings*, Baton Rouge, LA., October 29-31.
- Sui, D.Z., 1998, Broadening the conceptual foundation of geographic representation: A holographic perspective on the ontology of fields. *Proceedings of Project Varenius Specialist Meeting on the Ontology of Fields*, Bar Harbor, Maine, June 17-19.
- Sui, D.Z., 1998, A Holographic Perspective on Scale and Geographic Information. *Project Varenius Specialist Meeting on Scale and Cognitive Models of Geographic Concepts*, Santa Barbara, CA., May 16-18.
- Sui, D.Z. and Robert C. Maggio, 1998, A GIS-based Hydrological/Hydraulic Modeling Approach for Floodplain Mapping. *1998 ASPRS/RTI Annual Meeting*, Tampa, FL., April 1-5.
- Sui, D.Z., 1998, Understanding the Virtual Geography Department: The relevance of Marshall McLuhan. *1998 AAG Annual Meeting*, Boston, MA., March 23-29, 1998.
- Sui, D.Z., 1997, GIS Activities at Texas A&M. *1997 Texas GIS Forum*, December 12-14, Austin, TX.

- Sui, D.Z., 1997, Teaching Economic Geography using the WWW: Pros and cons. *NSF Virtual Geography Department Workshop*, Austin, TX., June 15-23.
- Sui, D.Z., 1997, The Syntax and Semantics of Urban Modeling: Versions vs. Visions. *USGS-NCGIA Workshop in Landuse Modeling*, Sioux Falls, SD., June 4-7.
- Sui, D.Z., 1997, Geographical imaginations on the Internet: A space without place or a place without space? *1997 AAG Annual Meeting*, Fort Worth, TX., April 1-5.
- Sui, D.Z., 1996, GIS and Society: From instrumental rationality to communicative rationality. *GIS/LIS'96*, Denver, Colorado, Nov. 17-22.
- Sui, D.Z., 1996, Exploring New Dimensions of GIS Education. *The second international symposium on GIS in higher education*, Baltimore, September 12-15.
- Sui, D.Z., 1996, Urban Forms, Urban Processes, and Urban Policies: Toward a new conceptual framework and a new research agenda for metropolis in the 21st century. *The NCGIA-sponsored research conference on "Spatial technologies, Geographic Information, and City,"* Baltimore, September 9-11.
- Sui, D.Z., 1996, Applications of GIS-Based Urban Modeling for Urban Development Simulation. *CPGIS Shanghai Advanced GIS Workshop*, Shanghai, P.R. China, September 2-7.
- Sui, D.Z., 1996, GIS, Environmental Equity Analysis, and the Modifiable Areal Unit Problem. *1996 International Young Scholar Summer Institute*, Berlin, Germany, July 24 -- August 1.
- Eshe, S., D. Burton, and D.Z. Sui, 1996, A GIS-based Approach for Residential Property Value Appraisal. *GIS in Business '96*, Chicago, July 7-10.
- Loh, D. K., Sui, D.Z., and M.D. Chow, 1996, Integrating GIS, Ground Water Modeling, and Expert Systems for Water Resource Management In Taiwan: Toward an intelligent spatial decision support system (ISDSS). *Geoinformatics '97*, Miami, Florida, April 25-28.
- Sui, D.Z., 1996, GIS , Spatial Analysis, and Geography in the 21st Century. *1996 AAG Annual Meeting*, Charlotte, April 9-14.
- Sui, D.Z., 1996, Contextualizing Geographic Information Systems (GIS): Toward a critical theory of geographic information science. *NCGIA Initiative 19 --GIS and Society: The social implications of how people, space, and environment are represented in GIS*, Specialist Meeting, Minneapolis, March 3-5.
- Sui, D.Z. and John R. Giardino, 1995, Applications of GIS in Environmental Equity Analysis: A multi-scale and multi-zoning scheme study for the city of Houston, Texas, USA. *GIS/LIS'95*, Nashville, TN., Nov. 14-16.
- Sui, D.Z., 1995, Geographic Matrix and GIS Education: Toward a new pedagogic framework. *GIS/LIS'95*, Nashville, TN., Nov. 14-16.
- Sui, D.Z., 1995, Beyond Hardware, Software, and Data: Exploring new dimensions of GIS education. *1995 National Council for Geographic Education (NCGE) Annual Meeting*, San Antonio, October 25-28.
- Sui, D.Z., 1995, Residential Segregation in the Houston Metropolitan Area, 1980-1990. *1995 SWAAG Annual Meeting*, Las Cruces, NM., Oct. 5-7.
- Sui, D.Z., 1995, Exploring the Links between Economic Well-being and Residential Segregation *National Conference on American Cities at the Turn of the Century*, Washington, D.C., August 18-21.
- Sui, D.Z., 1995, Environmental Inequity Analysis for the City of Houston Using GIS. *1995 Urban and Regional Information System Association (URISA) Annual Meeting*, San Antonio, July 17-21.
- Sui, D.Z., 1995, Human Geography and the Understanding of Real World Problems. *Reaching New Standards: 1995 Summer Institute for Geography Teachers*, College Station, TX., June 16-20.



- Sui, D.Z., 1995, The Changing Social and Intellectual Structure of American Geography: Some Emerging Trends. *1995 AAG Annual Meeting*, Chicago, March 14-18, 1995.
- Sui, D.Z., 1994, Evaluating the Impact of Government Policy on the Transformation of Urban Spatial Structure: A GIS-Based Modeling Approach. *17th Annual Applied Geography Conference*, Akron, Ohio, October 14-18.
- Sui, D.Z. and R.S. Bednarz, 1994. Characteristics of the Emerging New Urban Forms: The Houston Example. *1994 Southwest Division of Association of American Geographers (SWAAG)*, Hot Spring, Arkansas, October 12-15.
- Sui, D.Z., 1994, A GIS Approach for Urban Population Density Analysis. *1994 Urban and Regional Information Systems Association (URISA) Annual Meeting*, Milwaukee, August 7-11.
- Sui, D.Z. and C.P. Lo, 1994, Urban Development Simulation: A GIS-Based Modeling Approach. *International Geographical Union (IGU) Annual Conference on Spatial Analysis and GIS*, Hong Kong, March 18-26.
- Sui, D.Z. and C.P. Lo, 1994, The Changing Urban Spatial Structure of Hong Kong, 1966-1986. *1994 AAG Annual Meeting*, San Francisco, March 28 -April 4.
- Sui, D.Z., 1993, 3-D Visualization of Residential Segregation Using GIS: A case study in Hong Kong, 1966-1986. *1993 Annual SWAAG Meeting*, Fayetteville, Arkansas, October 20-23.
- Sui, D.Z., 1993, GIS-Based Shift-Share Analysis: Applications in Metropolitan Economic Modeling, *16th Annual Applied Geography Conference*, Toronto, Canada, October 13-16.
- Sui, D.Z., 1993, The Changing Dynamics of the Urban Spatial Structure in Hong Kong, 1966-1986. *69th Annual Meeting of Georgia Academy of Science*, Atlanta, Georgia, May 1-2.
- Sui, D.Z., 1993, Integrating Mathematical Models with GIS: A Comparison of Three Approaches. *1993 AAG Annual Meeting*, Atlanta, Georgia, April 7-11.
- Sui, D.Z., 1992, Modeling the Spatial Impacts of New Town Development Using GIS. *Annual Meeting of Southeast Division, Association of American Geographers*, Louisville, Kentucky, November 22-23.
- Sui, D.Z., 1992, An Initial Investigation of Integrating Neural Networks with GIS for Spatial Decision-Making. *GIS/LIS'92 Annual Conference*, San Jose, California, November 10-12.
- Sui, D.Z. and C. P. Lo, 1992, A Model-Based GIS Approach for Urban Development Simulation. *GIS/LIS'92 Annual Conference*, San Jose, California, November 10-12.
- Sui, D.Z., 1992, Integrating GIS and Remote Sensing Technology for Urban Population Estimation: A Case Study in Kowloon, Hong Kong. *68th Annual Conference of Georgia Academy of Science*, Statesboro, Georgia, May 1-3.
- Sui, D.Z., 1992, Integrating Neural Networks with GIS for Developmental Suitability Evaluation. *1992 AAG Annual Meeting*, San Diego, California, April 18-24.
- Wheeler, J. O. and Sui, D.Z., 1992, The Location of the Service Economy in the Southeastern United States, 1985-1990. *1992 AAG Annual Meeting*, San Diego, California, April 18-24.
- Thill, J.C. and Sui, D.Z., 1992, Representing Spatial Preferences: A Fuzzy Set Approach. *1992 AAG Annual Meeting*, San Diego, California, April 18-24.
- Sui, D.Z., 1992, A GIS-based Expert System Approach for Land Suitability Evaluation", *Eighth Annual Georgia-Florida Conference*, Athens, Georgia, February 13-15.
- Sui, D.Z. and James O. Wheeler, 1991, A Spatial Perspective on the New Metropolitan Service Economy in the United States, 1985-1990," *Annual Meeting of Southeast Division, Association of American Geographers*, Asheville, North Carolina, November 24-25.
- Sui, D.Z. and J. Gao, 1991, Evaluation of Land Suitability Using GIS: A Case Study of Jining City, PRC. *1991 AAG Annual Meeting*, Miami, Florida, April 13-17.

Sui, D.Z., 1991, Comprehensive Evaluation of Quality of Life (QOL) in Major U.S. Metropolitan Areas: A Fuzzy Set Approach. *67th Annual Meeting of Georgia Academy of Science*, Augusta, Georgia, March 23-25.

Sui, D.Z., 1991, Fuzzy Cartographic Modeling Techniques and Their Implementation on Geographic Information Systems. *Sixth Annual Meeting of Florida-Georgia Geography Conference*, Gainesville, Florida, February 23-25.

## RESEARCH/TEACHING PROJECTS FUNDED/UNDER REVIEW

\$ 3 million, “NCRN-MN: OSU Research Node for GAINS: Geospatial Data, Auxiliary Information, and Nonresponse in Surveys,” Elizabeth Stasny (PI), Daniel Sui (co-PI), Rebecca Andridge (co-PI), and Christopher Sroka (co-PI), The NSF-Census Research Network (NCRN) Program, 2011-2016, The U.S. National Science Foundation (under review).

\$150,000, “Detecting social trends using Google search keywords via hidden Markov modeling,” 2011-2013, Google Foundation (under review).

\$588,000, “Detecting the tipping point of mass persuasion in social-computational systems: Strategic manipulation, adversarial propaganda, and spatial-temporal constraints,” James Caverlee and Daniel Sui (co-PIs), 2011-2014, Social-Computational System (SoCS) Program, The U.S. National Science Foundation (under review).

\$60,000, “Promoting civic engagement and behavioral change through effective use of on-line social networking,” Daniel Sui (PI) and Brandon van der Heide (co-PI), 2010/2011 The Battelle Endowment for Technology and Human Affairs (BETHA) (under review).

\$60,000, “Public Engagement to achieve the goals of sustainable development in Columbus metropolitan area,” Daniel Sui and Ola Ahlqvist, The U.S. Department of Housing and Urban Development (HUD).

\$299,000, “Evaluation of state-mandated BMI screening programs: Successful strategies for implementation and the role of health communication,” Elizabeth Klein, Daniel Sui, and Weidong Li (co-PIs), Active Living Research (ALR) 2010, Robert Wood Johnson Foundation.

\$ 322, 000, “Exploring the nascent geographies of the real-time social web: Space, place, and the new social media,” Daniel Sui and James Caverlee (co-PIs), Geography and Spatial Science (GSS) Program, The U.S. National Science Foundation (resubmission under review).

\$30,000, “Climate change and sustainable urban development in China: Exploring effective policy options at the local and regional level,” Jennifer Rice and Daniel Sui (co-PIs), Lincoln Institute for Land Development (under review).

\$50,000, “Environmental risk transition in rural China: Development, water, and public health,” Song Liang (OSU College of Public Health, PI), Jeff LeJeune (OSU College of Agriculture, co-PI) and Daniel Sui (co-PI), funded by OSU’s China Gateway Program, 2010-2012.

\$550,000, "A GIScience approach for evaluating, analyzing, and applying volunteered geographic information," D.Z. Sui (with M.F. Goodchild and S. Elwood), The U.S. National Science Foundation, 2009-2012.

\$251,796, "The whys and why nots of active living: Barriers and motivators among high risk children. " The Robert Wood Johnson Foundation, Active Living Research Program." D.Z. Sui (with C. Lee and J. Varni J), 2008-2011.

\$20,000, "Obesity and physical activity in rural Texas," Texas Cooperative Extension Service, Summer 2007.

\$900,000, "Developing a comprehensive China curriculum for business and public service students," co-PI, with Dudley Poston, Ben Crouch, and Rick Nader, funded by the U.S. Department of Education, Sept. 1, 2005 – August 15, 2008.

\$640,000, "An Information Ecology Approach for Exploring the Environmental Impacts of the Emerging Digital Economy," PI, With Don T. Phillips (Industrial Engineering), funded by the NSF-EPA Partnership Program on Technologies for Sustainable Development (TSE), 2000-2005.

\$24,000, "Links between traffic accidents and the changing demographics in Texas: A GIS approach." With S.P. Miaou, Texas Department of Transportation, May 1, 2004 – August 15, 2005.

\$50,000, "Exploring the regional and functional Integration in industrial ecology," funded by the AT&T Foundation, March 1, 2004 – July 30, 2005.

\$25,000, "Evaluating the Texas Emission Fee Standard." With Susan Stuver, funded by the Texas Commission on Environmental Quality (TCEQ), April 15 – December 15, 2004.

\$20,000, "Links between traffic accidents and the changing demographics in Texas: A GIS approach." With S.P. Miaou, May 1, 2004 – May 1, 2005.

\$12,000, "Exploring the relationship between built environment and urban residents' physical inactivity," funded by the Children, Youth and Family (CYF) Initiative, Vice President for Research, Texas A&M University, June 20, 2003.

\$5,600, "Opportunities and willingness across the Taiwan Strait: Sectarian, cultural, and ethnic dimensions of the conflict between Taiwan and Mainland China," funded by the International Program at Texas A&M University, May 15, 2003.

\$1,600, "Exploring the potential collaborations between TAMU and University of Bordeaux under the EU Framework 6," travel grant by Vice President for Research, Texas A&M University, Nov. 5, 2002.

\$10,000, "A GIS approach for analyzing the fatal traffic accidents in the city of Dallas: A pilot study," funded by the Texas Transportation Institute (TTI), January 18-July 18, 2002.

\$25,000, "Characterizing urban sprawl." With Ben Wu, funded by the Vice President's Office for Research, Interdisciplinary Initiative 2000, Texas A&M University, 2000-2001.

\$75,000, "Exploring the Environmental Impacts of the E-merging Digital Economy: Towards an informational ecology for the greening of electronic commerce." The U.S. EPA's FUTURES program, 1998-2000.

\$98,000, "Hydrological Parameter Acquisition using GIS/GPS/RS." With R.C. Maggio, Orange County Drainage District, 1999-2001.

\$34,000, "Mapping the Internet using GIS." Matrix and Directory Systems (MIDS) Inc., Austin, TX., 1999-2001.

\$16,000, "Development of an Intelligent Spatial Decision Support System for Water Resource Management in the Nile River Basin," Ministry of Education and Cultural Exchange, Arabic Republic of Egypt, 2001-2003.

\$355,000, "Establishing a Distributed Environmental Data Server for the State of Texas," with Kenneth P. Bowman (Department of Meteorology at Texas A&M), funded by NASA's Mission to Planet Earth (MTPE) program, 1998-2000.

\$124,000, with Robert C. Maggio (Department of Forest Science at Texas A&M), a grant from NASA's Centers for Excellence in Applications of Remote Sensing to Regional and Global Integrated Environmental Assessments program to expand Texas A&M's Mapping Science Laboratory (MSL).

\$197,320, "Geography Distribution and Abundance of Fire Ants: A GIS/Landscape Ecology Approach to Suppression and Prevention," with Robert N. Coulson (Department of Entomology at Texas A&M), funded by the Texas Agricultural Experiment Station (TAEX), 1997- 2001.

\$84,000, "Integrating GIS and Hydrological/Hydraulic Modeling for Floodplain Mapping and Flood Damage Analysis," with Robert C. Maggio, funded by The U.S. Army Corps of Engineers – Galveston District, for project USACE96541, 06/15/1996 - 08/14/1998.

\$5,500, "Spatial Data Conversion between Different Areal Unit Boundaries," Harris County Flood Control District (HCFCD), Houston, Texas, for project 0456 "Harris County Flood Control Planning Initiative," 06/01/1997 – 09/05/1997.

\$25,000, from United Nations' Food and Agricultural Organization (FAO), GIS Training for Ministry of Forestry, P.R. China, January 10 - May 2, 1995..

\$7,500, "The Changing Spatial Structure of Texas Cities: Are new urban forms emerging in Texas?" with R.S. Bednarz, funded by Program to Enhance Scholarly and Creative Activities, Vice President for Research and Associate Provost for Graduate Studies, Texas A&M University, May 30, 1994 to June 10, 1996.

\$5,000, Center for Teaching Excellence Scholar, Center for Teaching Excellence, Texas A&M University. August 25, 1996.

\$3,000, "Rural residential segregation in the U.S. South," PI, awarded by The Race and Ethnic Studies Institute (RESI) Faculty Development Grant, May 10 -- August 10, 1995.

\$1,200, Teaching Incentive Grant for "Interactive GIS Lab Instruction Using Cyclops System," awarded by the Center for Teaching Excellence, Texas A&M University, October 15, 1993.

### **RESEARCH/TEACHING PROPOSALS DECLINED**

\$299,633, "Evaluation of state-mandated BMI screening programs: Successful strategies for implementation and the role of health communication," Elizabeth Klein (OSU College of Public Health, PI), Daniel Sui (co-PI), and Weidong Li (OSU College of Education & Human Ecology, co-PI), Robert Wood Johnson Foundation's Active Living Research program, 2010-2012.

\$ 3.5 million, co-PI, "DamSmart: Coordinated Multi-Reservoir Gate Control in Flood Situations with Real-Time Information." With Prasun Sinha, Rongxing (Ron) Li, Ethan Kubatko, a collaborative proposal submitted to the Cyber-Physical System (CPS) program, 2010-2015, the U.S. National Science Foundation (NSF) [currently under review].

\$3 million, "Humans as sensors for national security applications: Optimizing DoD's 21<sup>st</sup> century sensor network through wiki geospatial information science and technology (GIST)," PI, Department of Defense (DoD) 2008 Science & Engineering Faculty Fellowship.

\$1.5 million, "Knowledge creation through volunteered geographic information," M.F. Goodchild (PI), D.Z. Sui, R. Gupta, and D. Craig (co-PIs), National Science Foundation's Cyber-based Discovery Initiative (CDI)

\$550,000, "Explore time-space relations between physical activity and community environmental characteristics using the structuration theory." With Steve Dorman (Health & Kinesiology) and Ming Zhang (Urban Planning), submitted to the Active Living Policy and Environmental Studies (ALPES), Robert Wood Johnson (RWJ) Foundation

\$299,000, The use of GIS to support spatial analysis and modeling for Ocean Science Health Center, submitted to National Institute of Health (NIH), with an interdisciplinary team of 18 other researchers and professors from four universities (including Texas A&M).

RMB 400,000, "Self-organizing criticalities in the rapid urbanization of China," with Hui Zeng (Dept. of Geography, Peking University), submitted to the National Science Foundation of China, Feb. 15, 2003.

\$45,000, "Opportunities and willingness across the Taiwan Strait: Sectarian, cultural, and ethnic dimensions of the conflict between Taiwan and Mainland China," submitted to the Fulbright's New Century Scholar Program, Committee on International Exchange of Scholars (CIES).

\$30,000, "Exploring the links between demography and ground water quality," with Bruce Herbert (Geology and Geophysics), submitted to National Institute of Environmental Health, April 8, 2002.

\$150,000, "Urban Planning and Management Training Workshop for Chinese Mayors," with Chuan-Shan Huang (Urban Planning), submitted to George Bush School for Public Service and College of Architecture, Texas A&M University, April 10, 2002.

\$334,000, "GIS-based Integrated Assessment Approach for Monitoring the Coast Zones in the Gulf of Mexico," with Andrew Klein, as component 8 for the NSF Center for Coastal Management, submitted to NSF, March 28, 2001.

\$443,000, "Self-organizing criticalities in urban metabolism," with Ben Wu, submitted to the NSF Geography and Regional Science Program, August 10, 2000.

\$640,000, "Gulf of Mexico EIRP: Component # 9 – GIS-Based Estuarine Modeling and Analysis in Support of ISQA," with Andrew Klein and Gary Wolff, submitted to EPA's coastal environmental management program, March 22, 2000.

\$120,000, "Exploring the Environmental Impacts of E-commerce in Texas." With Don T. Phillips (Industrial Engineering), submitted to the Advanced Technology Program (ATP), Texas Higher Education Coordinating Board. July 15, 1999

\$112,000, "Measuring and Characterizing Urban Sprawl: A landscape ecology approach." With Ben Wu (Rangeland Ecology), submitted to the Advanced Research Program (ARP), Texas Higher Education Coordinating Board. July 15, 1999.

\$880,000, "Remodeling the Dynamics of Global Environmental Change: Towards a scalable model for the interaction between atmosphere and earth surface system." With John Nielsen-Gammon (Meteorology) and Anthony T. Cahill (Civil and Environmental Engineering), submitted to Packard Foundation's Basic Science Program (pending). December 12, 1998.

\$33,940, "A Spatial Analysis of Water Rights, Surface Water Diversions, and Return Flows." With Gary McCauley (TAES) and Wayne Jordan (TWRI). Submitted to Texas Rice Foundation.

\$405,523, "Designing Climate Products for a Sustainable Future along the Southern Frontier, 1999-2002." With Robert C. Harriss, submitted to NOAA's Human Dimensions of Climate Fluctuations Program.

\$490,000, " Understanding Criticalities in Urban Metabolism: Toward a new paradigm of urban sustainable development." With Robert Harriss, Jonathan Phillips, Arthur Sullivan, submitted to the NSF's Urban Research Initiative (URI). August 18, 1998.

\$55,000, "New dimensions of the U.S. rural residential segregation: Are black ghettos re-emerging?" With Mark A. Fossett (sociology), submitted to the Economic Development Administration, U.S. Department of Commerce.

\$165,036, "The mechanics and modeling of landslides in a tropical region, West Java, Indonesia." Co-PI, with J.R. Giardino (PI), Earl Hoskins (Co-PI), National Science Foundation, Division of International Programs.

\$365,000, "Association of kidney disease and Environmental toxins," Co-PI, with Sherry Bame (PI), James Calvin, Ray Carroll, Raj Davda, and Eric Young. Submitted to Public Health Service Grant, U.S. Department of Health and Human Services.

\$40,039, "Coastal Benthic Boundary Layer Management Using GIS," with K.L. White, submitted to Office of Naval Research.

\$224,000, "Effects of Geographical Scales and Areal Unit Boundaries on Environmental Equity Analysis," PI, with J.R. Giardino, G.O. Rogers, Dennis Wenger (Co-PIs). Submitted to NSF's Geography and Regional Science Program.

\$132,000, "Ecological Fallacies in Environmental Equity Analysis," PI, with George O. Rogers (Co-PI), submitted to the Advanced Research Program, Texas Higher Education Coordinating Board.

\$37,916, "Acquisition of Equipment of Instruction in Spatial Sciences," with K.L. White, S.A. Jennings, submitted to National Science Foundation.

## PARTICIPATION IN WORKSHOPS

*Workshop on GIScience and Pervasive/ubiquitous Computing*, GIScience 2008, Sept. 22, Park City, Utah.

*Workshop on the Recent Development of Chaos Theory*, chaired by Nobel Laureate Professor Ilya Prigogine, College Station, Texas, April 21, 1994.

*Workshop on Spatial Analysis Using GIS*, chaired by Dr. M.F. Goodchild and Dr. A. Getis, Atlanta, Georgia, October 29, 1991.

*Workshop on GIS and Education*, Atlanta, Georgia, October 30, 1991 (during GIS/LIS'91).

*Workshop on the Application of Artificial Intelligence in Geography*, chaired by Dr. D. Peuquet and Dr. P.F. Fisher, Miami, Florida, April 14, 1991.

## LANGUAGES

English (Fluent in reading, speaking, and writing)

Chinese (Native Language)

Japanese (Reading Knowledge)

Spanish (In Progress)

## RESEARCH INTERESTS

Volunteered geographic information; locational privacy issues; mapping social media; GIS and public health; the integration of spatial analysis and modeling with GIS for urban and environmental studies from local to global scales; theoretical foundations of geographic information science; urban

modeling and development simulation; telecommunications and virtual cities; geography of the emerging information society, environmental consequences of rapid urbanization in Asia and urban sprawl in North America.

## TEACHING INTERESTS

Frontiers in GIScience; GIS for public health; Introductory and Advanced GIS; Spatial Analysis and Modeling; Environment and Technology, Urban/Economic Geography; GIS and Decision-Making; Quantitative Methods; Research Methods; Geographic Thoughts; Resources and Environment; Urban and Regional Development in North America and the Pacific Rim.

## TEACHING EXPERIENCE

**The Ohio State University**, Winter 2010, Graduate Seminar on “Spatially Integrated Social Sciences and Humanities;” Spring 2010, Graduate Seminar on “Spatial Organization of Cities;” Winter 2011, “Intermediate GIS;” Spring 2011, “Emerging topics in GIScience.”

**University of California - Santa Barbara**, 2001 Spring Quarter. Seminar in Geographic Information Science (GIScience).

**Texas A&M University**, 09/01/1993-06/30/2009. Frontiers in GIScience (GEOG 695), Geography of East Asia (GEOG 326); Resources and the Environment (GEOG 330); Thematic Cartography (GEOG 332); Principles of GIS (GEOG 390); Environment Issues in the Information Age (GEOG 352); Advanced GIS (GEOG 475); GIS-Based Spatial Analysis and Modeling (GEOG 665); Geographic Methods and Theories (GEOG 610); Processes in Economic Geography (GEOG 603); Special Topics in GIS (GEOG 485); Special Topics in GIS Modeling (GEOG 685); Special Topics in Geographic Thought (GEOG 681); Introduction to Human Geography (GEOG 201); Geography of the U.S. (GEOG 301); Geography of the Global Village (GEOG 202); Environmental Issues in the Information Age (GEOG 489).

**Teaching Assistant at the University of Georgia from 1989 to 1993:** Introduction to GIS (GGY 4/618); Introduction to Human Geography (GGY101); Weather and Climate Lab (GGY120L); World Cultural Geography (GGY215); Economic Geography (GGY358).

**Teaching Assistant at Peking University from 1986 to 1989:** Introduction to Earth Sciences; Introduction to Geomorphology; Application of Air Photo Interpretation; Introduction to GIS.

## DISSERTATIONS/THESES SUPERVISED AS PRINCIPAL ADVISOR

### At the Ohio State University:

Yang, Xining, June 2014 (expected date of graduation), Ph.D., “Understanding the world through volunteered geographic information” (funded by NSF Grant # 1048100) .

Knox, Jay, June 2011(expected date of graduation), M.S., “The role of downtown in the revitalization of Midwestern cities” [currently working on projects funded by Columbus 20/20]



Member of graduate students' committees: Jeff Olson, Bobby Klein, James Baginski, Wei Chen, Meng Guo

**At Texas A&M:**

- Xu, Chen, 2010, Ph.D., "Exploring volunteered geographic information for emergence management: Towards a wiki GIS framework." [currently a postdoctoral research associate at George Mason University]
- Chen, Luyao, 2010, M.S., "User-generated content and the new spatial data infrastructure" [currently a senior GIS analyst at Trimble Navigation, Inc. in Denver, Colorado]
- Li, Shujunan, 2009, Ph.D., "Self-organizing Criticality among Chinese Cities" [currently an assistant professor in environmental planning at Utah State University]
- Wu, Bing-Sheng, 2009, Ph.D., "Simulating the evolution of Desakota regions us cellular automata" [currently an assistant professor of GIS at Nanyang Institute of Technology, Singapore]
- Berhane, Stephen, 2009, M.S., "Modeling and mapping the spatial distribution of West Nile Virus in Texas" [currently a senior GIS analyst at Texas Dept. of Health]
- Lane, Gina W., M.S., 2008, "Geographies of Identity Theft in the U.S.: Understanding Spatial and Demographic Patterns, 2002-2006" [currently a senior GIS analyst at Brooks International, Inc. in Houston, Texas]
- Rolland, Gabe, M.S., 2008, "Spatial analysis of fatal car crashes in Texas, 1996-2005" [currently a senior planner at Houston-Galveston Government Council]
- Wang, Yipeng, M.S., 2008, "Models of location-based services in China: A comparative study of the U.S. vs. China" [currently a software engineer at Ericsson-Beijing]
- Gavinha, Jose. A., Ph.D., 2007, "The Texas Urban Triangle and the Global Economy" [currently a senior research associate at Center for Retail Studies, University of Toronto]
- Xu, Zengwang, Ph.D., 2007, "Small-world Characteristics in Geographic, Epidemic, and Virtual Spaces: A comparative study" [currently a postdoctoral research associate at Brown University; starting in July 2011, assistant professor at University of Wisconsin, Milwaukee]
- Dasgupta, Soma, 2007, M.S. in Geosciences, "Urban heat island and urban sprawl: A model of air-land interaction."
- Li, Linhua, M.S., 2006, "A GIS-based Bayesian Approach for Analyzing Fatal Car Crashes in Houston."
- Feng, Edward, M.S., 2005, "Integrating GIS and Remote Sensing for Urban Sprawl Studies."
- Tu, Wei, 2004, Ph.D., "Input-Output Analysis on Environmental Impacts of E-commerce"
- El Drandaly, Khalid, 2004, Ph.D., "Development of an Intelligent Spatial Decision Support System for Water Resource Management in the Nile River Basin"[currently an associate professor at Georgia Southern University]
- Guzman, Maria D., Ph.D., 2003, "Landscape change and geomorphology of a coastal lagoonal system: Southern Sonora, Mexico" (co-chair with Robert Coulson)
- Waldron, John D., 2002, Ph.D., "Modeling Vegetation Dispersal and Diffusion: Woody species responses to climate change and anthropogenic landscape alteration" (co-chair with David Cairns)
- VanHorn, Jason, 2003, "A GIS-based On-line Real Estate Prediction Model."
- George, Sinduh, 2003, "Design by Nature: A GIS-based landscape analysis in the Woodlands."
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Plus serving over 40 other graduate students’ committees.

### **MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

*Association of American Geographers (AAG)* (affiliated with GIS, Quantitative and Mathematical Geography, Urban Geography, Communication/Media Geography, and Cartography Specialty Groups)

*American Society of Photogrammetric Engineering and Remote Sensing (ASPRS)*

*Urban and Regional Information Systems Association (URISA)*

*National Council for Geographic Education*

*Canadian Association of Geographers*

*Institute of British Geographers  
Society for Geography and Philosophy  
Member of the Board of Directors, Chinese Professional Association of Geographic Information  
Systems (CPGIS)*

## PERSONAL INFORMATION

Birth date: June 1, 1965  
Birth place: Changchun, Jilin Province, P.R. China  
Marital Status: Married (wife, Feng Xu), one daughter (Alice, born Jan. 7, 1993)  
Nationality: U.S. Citizen  
Other Names Used: Sui, Dianzhi

## REFERENCES

**Available upon request.**