

Biographical Sketch

Daniel Z. Sui, Ph.D.
Professor of Geography and Reta A. Haynes
endowed chair in geosciences

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EDUCATION

Ph.D., 09/12/1989--06/12/1993
Department of Geography
The University of Georgia
Athens, GA 30602

Master of Science, 09/07/86--06/15/89
Institute of Remote Sensing
Peking University
Beijing 100871, P.R. China

Bachelor of Science, 09/02/82--06/15/86
(with high honors)
Department of Geography
Peking University

EMPLOYMENT HISTORY

2002–Present Professor, Department of Geography, Texas A&M University
2001–Prese Reta A. Haynes endowed chair in geosciences
1997–2001 Associate Professor, Department of Geography, Texas A&M University
1993–1997 Assistant Professor, Department of Geography, Texas A&M University
2005–Present Adjunct Professor, Epidemiology and Biostatistics, Texas A&M Health Science Center

FIVE MOST RELATED PUBLICATIONS TO THE PROJECT

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.
Sui, D.Z., 2008. Wiki cartography and the visualization of the natural environment. In G. Harvey (ed.), *GIS Innovations 13*. London: Taylor & Francis (in press).
Sui, D.Z. (ed.), 2008. *Geospatial Technologies and Homeland Security: Research frontiers and challenges*. Dordrecht, The Netherlands: Springer.
Sui, D.Z., 2007. Mapping by the creative commons? Or how wiki can GIS be? *GeoWorld*, Dec. issue, 15–17.
Sui, D.Z. and M. Ball (eds.), 2006. *Geospatial Matters: Exploring the implications of a digital earth*. San Francisco, CA: GeoTec Media.

FIVE OTHER SIGNIFICANT PUBLICATIONS

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.
Xu, Z.W. and D.Z. Sui, 2008. The effect of small-world networks on epidemic diffusion. *Geographical Analysis* (in press).
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. GIS and medical geography: Towards a new synergy. *Geography Compass* 1(3): 556–582.
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.

SYNERGISTIC ACTIVITIES

At the international level: Visiting senior research scientist at the *United Nations Food and Agricultural Organization (FAO)*, served as the chief consultant for the global poverty and hunger mapping project and has written two FAO monographs to guide its scientific and policy activities; Consultant for the *United Nations Development Program (UNDP)*, involved in the Ecological Planning Project for Western Chinese Cities; Consultant for the *United Nations Environmental Program (UNEP)*, involved in the Chemical Hazard Prevent Project; *United Nations University (UNU)*, involved in the IT and the Environment project; Consultant for the World Bank, involved in the Urban Infrastructure Development and Evaluation project.

At the U.S. national level: *National Academies of Science*—served on the panel to review the GIS Operations within the U.S. Department of Housing and Urban Development (HUD); served on the committee to review the tri-academy project on Land Use/Land Cover Change; *National Science Foundation*, served on the senior review panel for the Geography and Regional Science (GRS) Program, Technology for Sustainable Environment (TSE) Program, IGERT Program; *The U.S. Environment Protection Agency (EPA)*, served as advisor to the Science to Achieve Results (STAR) program; *The U.S. Army Corps of Engineers (ACOE)*, served as a consultant for GIS-based Floodplain Mapping project. *National Center for Geographic Information and Analysis (NCGIA)*, served as a consultant for the Advancing GIScience project.

At the local level: worked with local government agencies in Houston/Galveston area, Austin, Dallas/Forth Worth, and College Station on various projects related urban sprawl characterization, transportation planning, traffic crash analysis, telecommuting impacts, smart growth program, residential segregation, environmental equity analysis, and crime mapping.

LIST OF COLLABORATORS WITHIN THE LAST 48 MONTHS

Michael F. Goodchild, Chuck Kennicutt, Samuel Brody, James Holt, Robert Harriss, Zengwang Xu, Wei Tu, Jose Gavinha, Richard Morrill, Yunhao Chen

NAMES OF GRADUATE AND POST-GRADUATE ADVISORS AND ADVISEES

James O. Wheeler, Thomas W. Hodler, C.P. Lo (deceased) (Graduate Advisors)
Daniel Overton, Michael Kullman, John Waldron (Graduate Advisees)