

## Biographical Sketch

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

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### *Campus Address*

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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-Present 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., 2007. Mapping by the creative commons? Or how wiki can GIS be? *GeoWorld*, Dec. issue (in press)  
Sui, D.Z. and S.L. Cutter (eds.), 2007. *Geospatial Technologies and Homeland Security: Research frontiers and challenges*. Dordrecht, The Netherlands: Springer.  
Sui, D.Z., 2007. Geospatial technologies for surveillance: Tracking people and commodities in real-time. *Geographical Review* (in press).  
Sui, D.Z., 2007. GIS and medical geography: Towards a new synergy. *Geography Compass* 1(3): 556-582.  
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., 2007. Is GIS a liability in the war against terrorism? *GeoWorld*, March Issue, 22-25.  
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.  
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. 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. Will ubicomp make GIS disappear? *Computers, Environment, and Urban Systems* 29(1): 361-367.

### **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. Currently working the Texas Commission on Environmental Quality on Emission Inspection Fee Analysis in three Texas Cities.

### **LIST OF COLLABORATORS WITHIN THE LAST 48 MONTHS**

Michael F. Goodchild, Jonathan Phillips, Robert Harriss, James O. Wheeler, C.P. Lo, Jean-Claude Thill, Robert S. Bednarz, Mark A. Fossett, George O. Rogers, Dennis E. Wenger

### **NAMES OF GRADUATE AND POST-GRADUATE ADVISORS AND ADVISEES**

James O. Wheeler, Graduate Advisor; Thomas W. Hodler, Graduate Advisor; C.P. Lo, Graduate Advisor  
Daniel Overton, Graduate Advisee; Michael Kullman, Graduate Advisee