

BIOGRAPHICAL SKETCH - DANIEL Z. SUI

Principal Investigator

Arts and Sciences Distinguished Professor and Professor of Geography
Department of Geography, The Ohio State University

1. Education

Ph.D., 1993

Department of Geography
The University of Georgia
Athens, GA 30602

Master of Science, 1989

Institute of Remote Sensing
Peking University
Beijing 100871, P.R. China

Bachelor of Science, 1986

(with high honors)
Department of Geography
Peking University

2. Positions Held

Starting on 07/25/2016: SES Division Director, The U.S. National Science Foundation.

2011- 2015 –Distinguished Professor & Chair, Department of Geography, The Ohio State University,
Columbus, OH 43210

2012 – 2014, Director, Geographic Analysis Core, Institute of Population Research (IPR), The Ohio State
University, Columbus, OH 43210.

2009-2012, Professor & Director, CURA, Department of Geography, The Ohio State University

2002-2009, Professor, Department of Geography, Texas A&M University

2001-2009, Reta A. Haynes endowed chair in geosciences, Texas A&M University

1997-2001, Associate Professor, Department of Geography, Texas A&M University

1993-1997, Assistant Professor, Department of Geography, Texas A&M University

2005-2009, Adjunct Professor, Epidemiology and Biostatistics, Texas A&M Health Science Center

3. Five Primary Products

Sui, D.Z., 2015. Emerging GIS themes and the six senses of the new mind: Is Alt.GIS transforming GIS into a liberation technology? *Annals of GIS* 21(1): 1-13.

Sui, D.Z., 2014. Opportunities and impediments in open GIS. *Transactions in GIS* 18(1): 1-24.

Sui, D.Z., S. Elwood, and M.F. Goodchild (eds.), 2012. *Crowdsourcing Geographic Knowledge: Volunteered geographic information in theory and practice*. Berlin: Springer.

Sui, D.Z. and D. DeLyser, 2012. Crossing the qualitative-quantitative chasm I: Hybrid geographies, the spatial turn, and volunteered geographic information (VGI). *Progress in Human Geography* 36(1): 111-124.

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* 25 (11): 1737–1748.

4. Five Other Products Relevant to the Project

Zhao, B. and D.Z. Sui, 2014. True lies in big data: Detecting location spoofing in social media using geographic knowledge. *Proceeding of 2014 Big Data Urban Informatics Conference*, Chicago, IL.

- Kay, S., B. Zhao, and D.Z. Sui, 2014. Can social media clear the air? A case study of the air pollution problem in Beijing. *The Professional Geographer* (accepted, in press; published on-line first).
- Caverlee, J., Z. Cheng, D.Z. Sui, and K.Y. Kamath, 2013. Towards geo-social intelligence: Mining, analyzing, and leveraging geospatial footprints in social media. *Bulletin of the IEEE Computer Society Technical Committee on Data Engineering* 36(3): 33-41.
- Elwood, S.E., Goodchild, M.F., and D.Z. Sui, 2012. Researching the geocrowd: Volunteered geographic information and geographic research. *Annals of the AAG* 102(3): 571-590.
- Sui, D.Z. (ed.), 2008. *Geospatial Technologies and Homeland Security: Research frontiers and challenges*. Dordrecht, The Netherlands: Springer.

5. Synergistic Activities

- 2015 Public Policy Scholar, Woodrow Wilson International Center for Scholars.
- Member, the National Advisory Committee for NSF funded project (NSF-IBSS project #1416509), “Spatiotemporal Modeling of Human Dynamics Across Social Media and Social Networks,” 2014-2019.
- Member, National Mapping Science Committee, National Research Council, *The U.S. National Academy of Sciences*, 2009-2013.
- Member, Advisory Committee on the Geospatial Technologies and Human Rights program, *American Association for the Advancement of Science (AAAS)*, 2011-present.
- Co-leader, executive committee, the *Climate, Security, Health and Resilience (CSHR)* Initiative.

6. Collaborators and Co-editor in the U.S. and Abroad in the Last Two Years:

Gagan Agrawal (OSU), James Baginski (OSU), Samuel Brody (TAMU), James Caverlee (TAMU), Yunhao Chen (BNU, China), Zhiyuan Cheng (Google), Dydia DeLyzer (LSU), Wen Dou (Southeast U., China), Sarah Elwood (Washington), Michael F. Goodchild (UCSB), James Holt (CDC), Fletcher Chmara-Huff (Temple), Craig Jenkins (OSU), Bin Jiang (Gävle, Sweden), Edward Malecki (OSU), Byran Mark (OSU), Zhengchao Qian (OSU), C.K. Shum (OSU), Ellen Mosley-Thompson (OSU), Barney Warf (Kansas), Chen Xu (GMU), Zengwang Xu (Wisconsin-Milwaukee), Don Xuan (OSU), Xiaodong Zhang (CAU), and Li Zhu (NCI).

Ph.D. Advisor: C.P. Lo (deceased)

7. Names of Graduate Students (as Major Advisor):

Total number of graduate students supervised as primary advisor: 45 [13 Ph.D. and 32 Master’s at Texas A&M (1993-2009) and Ohio State (2009 – present)]: Chun Chen (City of Gainsville), Luyao Chen (Trimble Inc.), Gary Coutu (West Chester College), Kelly Crowell (ExxMobile), Edward Feng (City of Houston), Jose Gavhina (Toronto Retail Inc.), Messlyssa Guerry (ESRI), Maria Guzman (Texas A&M), Jason van Horn (Calvin College), Jay Knox (Columbus 20/20), Michael Kullman (Brooks International Inc.), Phil Lai (Water Resources International Inc.), Shujuan Li (Utah State Univ.), Bing Lu (SBS International Inc.), John Rainey (Dollar General Inc.), Bing Shi (New York Dept. of Health), Ran Tao (Westing House), Wei Tu (Georgia Southern Univ.), John Waldron (Univ. of West Florida), Yipeng Wang (Erickson Beijing), Chen Xu (George Mason Univ.), Zengwang Xu (Univ. of Wisconsin – Milwaukee), Bing-sheng Wu (Nanyang Univ., Singapore), Daniel Yang (Capital Region Planning).

