

## Biographic Sketch: Shih-Lung Shaw

### Professional Preparation:

The Ohio State University	Geography	Ph.D.	1986
The Ohio State University	Geography	M.A.	1983
National Taiwan University	Geography	B.S.	1979

### Academic Appointments:

Professor/Associate Professor, Dept. of Geography, University of Tennessee, 1998-present  
Head, Department of Geography, University of Tennessee, 2007-2010  
Associate/Assistant Professor, Dept. of Geography, Florida Atlantic University, 1988-1998

### Recent Awards/Honors:

- 2010 Appointed to the Academic Advisory Committee of the Research Center for Humanities and Social Sciences, Academia Sinica, Taipei, Taiwan.
- 2010 Arts and Sciences Excellence Professorship, College of Arts and Sciences, University of Tennessee, Knoxville
- 2009 Betty Lynn Hendrickson Professorship, College of Arts and Sciences, University of Tennessee, Knoxville
- 2009 Chancellor's Research and Creative Achievement Award, University of Tennessee, Knoxville
- 2008 Elected to Fellow of the American Association for Advancement of Science (AAAS)
- 2008 Edward L. Ullman Award for outstanding contributions to the field of transportation geography, Transportation Geography Specialty Group, The Association of American Geographers (AAG)

### Publications:

#### 1. Five Most Closely Related to Proposed Project:

- Chen, J., Shaw, S-L., Yu, H., Lu, F., Chai, Y. and Jia, Q. 2011. Exploratory data analysis of activity diary data: a space-time GIS approach, *Journal of Transport Geography*, 19(3), 394-404.
- Yin, L., Shaw, S-L. and Yu, H. 2011. Potential effects of ICT on face-to-face meeting opportunities: A GIS-based time-geographic exploratory approach, *Journal of Transport Geography*, 19(3), 422-433.
- Shaw, S-L. and Yu, H. 2009. A GIS-based time-geographic approach of studying individual activities and interactions in a hybrid physical-virtual space, *Journal of Transport Geography*, 17(2), 141-149.
- Shaw, S-L., Yu, H. and Bombom, L. 2008. A space-time GIS approach to exploring large individual-based spatiotemporal datasets, *Transactions in GIS*, 12(4), 425-441.
- Yu, H. and Shaw, S-L. 2008. Exploring potential human interactions in physical and virtual spaces: A spatiotemporal GIS approach, *International Journal of Geographical Information Science*, 22(4), 409-430.

#### 2. Others:

- Wong, D. and Shaw, S-L. 2011. Measuring segregation: an activity space approach, *Journal of Geographical Systems*, in press, DOI 10.1007/s10109-010-0112-x.
- Shaw, S-L. 2010. Geographic information systems for transportation: from a static past to a dynamic future, *Annals of GIS*, 16(3), 129-140.
- Shaw, S-L., Lu, F., Chen, J., and Zhou, C. 2009. China's airline consolidation and its effects on domestic airline networks and competition, *Journal of Transport Geography*, 17(4), 293-305.
- Shaw, S-L. and Xin, X. 2003. Integrated Land Use and Transportation Interaction: A Temporal GIS Exploratory Data Analysis Approach, *Journal of Transport Geography*, 11(2), 103-115.
- Miller, H. and Shaw, S-L. 2001. Geographic Information Systems for Transportation: Principles and Applications. New York: Oxford University Press, 458 pages.

### **Selected Recent Synergistic Activities:**

- Invited presentation at the Transportation Seminar sponsored by the Department of Geography and the Department of Civil and Environmental Engineering, University of Connecticut, Storrs, Connecticut, March 28, 2011.
- Invited presentation at the *Specialist Meeting of Spatio-Temporal Constraints on Social Networks*, Santa Barbara, California, December 13-14, 2010.
- Invited keynote presentation at the *2010 Asia GIS International Conference*, Kaohsiung, Taiwan, November 5-6, 2010.
- Invited keynote presentation at the *2010 Digital Archives GIScience Conference*, Taipei, Taiwan, October 12-13, 2010.
- Invited presentation at the Center for Urban and Regional Analysis, Department of Geography, The Ohio State University, Columbus, Ohio, September 3, 2010.
- Invited presentations at the *Advanced GIScience Research Workshop*, Academia Sinica, Taipei, Taiwan, July 14-16, 2010.
- Invited presentation at the *Space-Time Modeling and Analysis Workshop*, Environmental Systems Research Institute (ESRI), Redlands, California, February 22-23, 2010.
- Invited keynote presentation at the *International Workshop on GIS for Transportation*, Wuhan, China, December 4-6, 2009.
- Invited presentation at the *International Conference of GIS in the Humanities and Social Sciences*, Academia Sinica, Taipei, Taiwan, October 7-9, 2009.
- Invited presentation at the *Second Spatial Socio-cultural Knowledge Workshop*, Defense Academy of the United Kingdom, Shrivenham, UK, June 16, 2009.
- Invited presentation at the Microsoft Research Institute (Asia), Beijing, China, May 26, 2009.
- Invited presentation at the *Third Specialists Meeting on Information and Communications Technology (ICT), Everyday Life and Urban Change*, Bristol, UK, March 16-19, 2008.
- Invited keynote presentation at the *First GIS for Transportation (GIS-T) Symposium of China*, Wuhan, China, June 18-26, 2007.
- Editorial Board Member, *Journal of Transport Geography*, 2000-present.
- Editorial Board Member, *Southeastern Geographer*, 2004-present.
- Editorial Board Member, *Journal of Geographic Information System*, 2010-present.
- Member, Membership Committee, Association of American Geographers, 2010-present.
- Guest Editor, Special Issue on Time Geography, *Journal of Transport Geography*, 2011-12.
- Guest Editor, Special Issue on GIS for Transportation, *Journal of Transport Geography*, 2010-11.
- Member, Program Committee, 2011 Geoinformatics Conference, East China Normal University, Shanghai, China, June 24-26, 2011.
- Member, Technical Program Committee, International Workshop on Role of Volunteered Geographic Information in Advancing Science, Zurich, Switzerland, September 14, 2010.
- Member, Program Committee, 2010 Geoinformatics Conference, Peking University, Beijing, China, June 16-18, 2010.
- Member, Program Committee, International Workshop on GIS for Transportation, Wuhan University, Wuhan, China, December 4-6, 2009.
- Panel Review Member, National Science Foundation (NSF) Cyber-enabled Discovery and Innovation (CDI) Program Review Panel, Arlington, Virginia, February 23-24, 2009.

### **Collaborators during the past five years:**

- Louis Gross (Ecology and Evolutionary Biology), Michael Berry (Computer Science), Suzanne Lenhart (Mathematics), Jerry Everett (Center for Transportation Research), University of Tennessee, Knoxville.
- Hongbo Yu, Oklahoma State Univ.; May Yuan, Univ. of Oklahoma; David Wong, George Mason Univ.; Dali Wang, Oak Ridge National Lab.; Qingquan Li, Zhixiang Fang and Luliang Tang, Wuhan University, China; Chenghu Zhou, Feng Lu and Jie Chen, Chinese Academy of Science, China; Yanwei Chai, Peking Univ., China.