

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

Appointments:

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

Honors and Awards (Selected):

Arts and Sciences Excellence Professorship, College of Arts and Sciences, University of Tennessee, Knoxville, 2010-present.
Betty Lynn Hendrickson Professorship, College of Arts and Sciences, University of Tennessee, Knoxville, 2009-present.
Chancellor's Research and Creative Achievement Award, University of Tennessee, Knoxville, 2009.
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), 2008.

Publications:

1. Five Most Closely Related to Proposed Project:

- Shaw, S-L. 2012. Guest Editorial Introduction: Time geography – its past, present and future, *Journal of Transport Geography*, 23, 1-4.
- 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
- 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:

- Yin, L., Shaw, S-L., Wang, D., Carr, E., Berry, M., Gross, L. and Comiskey, J. 2012. A framework of integrating GIS and parallel computing for spatial control problems – a case study of wildfire control, *International Journal of Geographical Information Science*, 26(4), 621-641.
- Wong, D. and Shaw, S-L. 2011. Measuring segregation: an activity space approach, *Journal of Geographical Systems*, 13(2), 127-145
- 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.

Recent Synergistic Activities:

- Invited to give a colloquium presentation in the Department of Geography, University of Georgia, Athens, Georgia, February 3, 2012.
- Invited to give a presentation at an *ICT Experts Group Meeting*, which was held at the German Aerospace Center (DLR), Berlin, Germany, November 30 - December 2, 2011.
- Invited to give a presentation at the Swedish Road and Traffic Institute and have meetings in the Department of Thematic Studies, Linköping University, Linköping, Sweden, November 25, 2011.
- Invited to give a presentation and have meetings in the Department of Human Geography, Stockholm University, Stockholm, Sweden, November 22, 2011.
- Invited to give a presentation at Shi-Jian Forum, State Key Laboratory of Resources and Environmental Information System (LREIS), Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing, China, October 21, 2011.
- Invited to give a 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 to give a presentation at *Specialist Meeting of Spatio-Temporal Constraints on Social Networks*, which was held at Upham Hotel, Santa Barbara, California, December 13-14, 2010.
- Invited to give a keynote presentation at *2010 Asia GIS International Conference*, which was held at Garden Villa Hotel, Kaohsiung, Taiwan, November 5-6, 2010.
- Invited to give a keynote presentation at *2010 Digital Archives GIScience Conference*, which was held at National Taiwan University, Taipei, Taiwan, October 12-13, 2010.
- Invited to give a presentation at Space-Time Modeling and Analysis Workshop, the Environmental Systems Research Institute (ESRI), Redlands, California, February 22-23, 2010.
- Invited to give a presentation at the Second Spatial Socio-cultural Knowledge Workshop, the Defense Academy of the United Kingdom, Shrivenham, UK, June 16, 2009.
- Chair of Transportation Geography Specialty Group (2000-2002) and Secretary/Treasurer of GIS Specialty Group (1994-1995), Association of American Geographers.

Collaborators and Other Affiliations:

1. Collaborators during the past 5 years:

- Louis Gross, Dept. of Ecology and Evolutionary Biology; Michael Berry, Dept. of Computer Science; Suzanne Lenhart, Dept. of Mathematics; Lee Han, Dept. of Civil and Environmental Engineering, Jerry Everett, Center for Transportation Research, University of Tennessee, Knoxville.
- David Wong, Dept. of Geography and GeoInformation Science, George Mason University; Hongbo Yu, Dept. of Geography, Oklahoma State University; Dali Wang, Oak Ridge National Laboratory; Qingquan Li and Zhixiang Fang, Transportation Research Center, Wuhan University, China; Feng Lu, Chenghu Zhou, Jie Chen and Tao Pei, Chinese Academy of Sciences, Beijing, China.

2. Graduate and Post-Doctoral Advisors:

- Edward Taaffe (deceased) and Howard Gauthier (retired), The Ohio State University.

3. Ph.D. and Master's Advisees:

- Ph.D.: Xiaohong Xin, Hongbo Yu, Robert Stewart, and Ling Yin.
- Master's: Moinak Chatterjee, Jessica Tharpe, David Ralston, Steve Ahrens, Xumei Liu, Brad Wilson, Xia Huang, Yitu Xu, Ziliang Zhao, Amy Davis, among others.