

C U R R I C U L U M V I T A E
C . S c o t t S m i t h

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E D U C A T I O N :

PhD Candidate <i>University of California, Irvine</i>	<i>Department of Planning, Policy and Design</i> Anticipated Graduation: Winter 2008
Master of Environmental Planning <i>Arizona State University</i>	<i>School of Planning & Landscape Architecture</i> Summer 2001
Bachelor of Science <i>Arizona State University</i>	<i>Department of Geography</i> Spring 1997

A W A R D S :

USC Sea Grant Traineeship <i>University of Southern California</i>	<i>University of Southern California</i> Fall 2004 - Winter 2005
Academic Fellowship <i>University of California, Irvine</i>	<i>Institute for Transportation Studies</i> Fall 2002 - Summer 2004
Long Term Ecological Research Project, Travel Research Grant <i>Arizona State University</i> <i>St. Etienne University, France</i>	<i>Institute for International Sustainability</i> (Formerly the <i>Center for Environmental Studies</i>) Spring 2002

A C A D E M I C E X P E R I E N C E :

Adjunct Faculty <i>University of California, Irvine</i> <i>Department of Policy, Planning and Design</i>	<i>Irvine, California</i> Winter 2008
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Developed curriculum for and will instruct *Applied Spatial Analysis*, an advanced graduate course. This practicum course employs advanced spatial analytical tools to characterize and critically evaluate the social, economic and environmental performance of particular industry sectors in southern California. (See attached syllabus.)

Adjunct Faculty <i>University of California, Irvine</i> <i>Department of Policy, Planning and Design</i>	<i>Irvine, California</i> Spring 2008
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Developed curriculum for and will instruct *Analytical Methods in Planning (PPD 215)*, an advanced graduate course. This course is designed to provide students a thorough understanding of select analytical planning methods such as population trend analysis, input-output analysis, trip generation, benefit-cost analysis and narrative analysis. (See attached syllabus.)

Teaching Assistant
University of California, Irvine
Department of Policy, Planning and Design

Irvine, California
 Fall 2007

Provided teaching assistance for *Environmental Analysis*, an upper-division undergraduate planning course taught by Kathleen Dallaire, PhD within the School of Social Ecology.

Teaching Assistant
University of California, Irvine
Department of Policy, Planning and Design

Irvine, California
 Spring 2005, 2007

Designed and instructed lectures for *Naturalistic Field Research*, an upper-division undergraduate writing course taught by Professor Susan Coutin, PhD within the School of Social Ecology. (See attached evaluations.)

Research Assistant / Sea Grant Trainee
University of California, Irvine School of Social Ecology; University of Southern California

Irvine, California
 Summer 2003 to
 Fall 2006

Worked with researchers in Social Ecology's Departments of Environmental Health, Science and Policy and Planning, Policy and Design under the supervision of USC Sea Grant administrators and researchers to (1) analyze adaptive approaches to mitigate stormwater pollution; and (2) develop a GIS-based framework for optimizing best management practices to reduce non-point source pollution.

Assistant Editor
Journal of Regional Science
University of California, Irvine

Irvine, California
 Summer 2003

Performed administrative duties and editorial assistance for the *Journal of Regional Science (JRS)*. JRS publishes research that offers practical techniques for regional and urban analysis. It is one of the most highly cited journals in the field.

Faculty Associate
Arizona State University West Campus
Department of Social and Behavioral Sciences

Phoenix, Arizona
 Fall 2001
 Fall 2002

Developed curriculum for and instructed an *Introduction to Geographic Information Science (GPH 373)* undergraduate class. The course outlined theory and methods relating to the collection and storage of geographic information as well as the application of geographic information systems for spatial analysis, problem solving and decision-making. Students were taught to use ArcView 3.2 in 2001 and ArcView / ArcGIS 8.1 in 2002.

Faculty Associate
Arizona State University Main Campus
School of Planning and Landscape Architecture

Tempe, Arizona
 Summer 2001
 Summer 2002

Developed curriculum for and instructed a *Geographic Information Systems Planning Studio (PUP494)* graduate planning class. The course outlined theory and methods relating to the development and analysis of geographic information and the application of geographic information systems in urban and regional planning.

Faculty Associate
Arizona State University Main Campus
School of Planning and Landscape Architecture

Tempe, Arizona
 Spring Semester 2002

Provided curriculum and instructional assistance for *Planning Methods II* (PUP622) graduate planning class. My role was to develop an urban modeling module to teach students the basics of geographic information science and the methods for developing and analyzing urban land use data using an ArcView 3.2 geographic information system.

Graduate Research Assistant, GIS
Arizona State University
Department of Academic Facilities

Tempe, Arizona
 September 1997 -
 September 1998

Principal developer of a campus wide academic space inventory and management system—a custom geographic information system that links a relational database to GIS layers and AutoCAD floor plans; created maps and space reports for architectural planning projects across campus; and developed procedures to serve maps over the internet.

PROFESSIONAL EXPERIENCE :

Research Consultant
Communities for a Better Environment
<http://www.cbecal.org>

Huntington Park, California
 Winter 2005 - Present

Provide research support and policy analysis assistance for various reports and campaigns carried out by this community-based environmental justice organization located in Southeast Los Angeles (SELA) including: environmental assessments and focus groups for the SELA Air Pollution Solution Demonstration Project as part of EPA's Regional Geographical Initiatives program.

Research Consultant
Latino Health Access
<http://www.latinohhealthaccess.org>

Santa Ana, California
 Winter 2006 - Present

Provide research assistance for various public health projects including: an analysis of alcohol-related violence in Santa Ana; and a policy analysis of California Alcoholic Beverage Control-permitted establishments in Santa Ana. These analyses were used to advocate for, organize and inform LHA political campaigns and, in some cases, were presented to city council by LHA youth group members.

Research Analyst
Orange County Business Council
<http://www.ocbc.org>

Irvine, California
 Winter 2003 - Present

Provide research assistance for a variety of projects including: the development of a community-level carbon footprint analysis and interactive website for the state of California; quarterly evaluations and progress reports for the City of Santa Ana's Federal Empowerment Zone; development of indicators and associated web page for First American Real Estate housing indicators for emerging/lower-income markets; and analyses for the Orange County Business Council annual Community Indicators project.

Technical Editor, News Correspondent
Urban Insight, Corporation
<http://www.urbaninsight.com>

Los Angeles, California
 2002 - 2005

Served as technical editor (i.e. edited, formatted, managed and posted web pages) for a variety of planning and development related web pages including the popular PLANetizen Op-Eds and news summaries, Planning and Markets on-line journal and Innovation Briefs.

Support Systems Analyst, Senior
Arizona State University
Information Technology Geographic Information Science Lab

Tempe, Arizona
 1999 - 2002

Provided research support for a wide variety of interdisciplinary research projects that utilize spatial methods and technologies; assisted in research proposal writing and consultation for GIS-related activities; assisted in supervising and directing the IT GIS Lab personnel; developed and maintained the GIS Lab web pages; and maintained, administered and upgrade lab resources.

GIS Research Associate
ESI Economic Development Real Estate Counselors

Phoenix, Arizona
 1998 - 1999

Designed and managed the spatial analysis components of various economic development projects; produced GIS maps and contributed written work for project reports; supported an NT server and workstation local area network; and developed the company web pages. <http://www.esicorp.net>

P U B L I C A T I O N S :

Smith, C. Scott, Raul P. Lejano, Oladele Ogunseitan, and J. Aaron Hipp. 2007. Cost Effectiveness of Regulation-Compliant Filtration to Control Sediment and Metal Pollution in Urban Runoff. *Environmental Science & Technology* 41.

Smith, C.Scott, Bolin, Robert and Edward Hackett. Re-Submit. Modeling Toxic Corridors: An Environmental Justice Case Study Using TRI Data.

Hipp, J. Aaron, Oladele Ogunseitan, Raul Lejano, and C. Scott Smith. 2006. Optimization of Stormwater Filtration at the Urban/Watershed Interface. *Environmental Science & Technology* 40 (15):4794-4801.

Lejano, Raul P., and C. Scott Smith. 2006. Incompatible Land Uses and the Topology of Cumulative Risk. *Environmental Management* 37 (2):230-246.

Lejano, R., Smith, C. Scott, Ogunseitan, O. 2005. Working Paper. Text, Context, and Action: The Case for Institutional Coherence in the Regulation of Stormwater in California.

Boarnet, Marlon G., C. Scott Smith, and K. S. Nesamani. 2003. Comparing the Influence of Land Use on Nonwork Trip Generation and Vehicle Distance Traveled: An Analysis using Travel Diary Data. In *Center for Activity Systems Analysis*. Irvine, CA: Institute for Transportation Studies.

Smith, C. Scott. 2003. Modeling opportunity: Employment accessibility and the economic performance of metropolitan Phoenix neighborhoods. In *Integrated Land Use and Environmental Models*, edited by: S. Guhathakurta.

California Department of Transportation. 2003. *Safe Routes to School. Volume 1: Study Review and Summary of Results*. Report to the Legislature Pursuant to Streets and Highways Code Section 2333.5.

Bolin, B., A. Nelson, E. J. Hackett, K. D. Pijawka, C. Scott Smith, D. Sicotte, E. K. Sadalla and E. Matranga. 2002. The ecology of technological risk in a Sunbelt city. *Environment and Planning A*. Volume 34, (2), pages 317-339.

Morrison Institute for Public Policy. 2001. Five shoes waiting to drop. *School of Public Affairs, College of Public Programs, Arizona State University, Tempe, AZ*.

Morrison Institute for Public Policy. 2000. Hits and misses: Fast growth in metropolitan Phoenix. *School of Public Affairs, College of Public Programs, Arizona State University, Tempe, AZ*.

Burns, E. K., C. S. Smith, and J. Fry. 1998. Progress toward an academic GIS enterprise. *Geographic Information Systems for Engineering—Working Paper No. 98-1, Arizona State University, Tempe, AZ*.

Burns, E. K., M. Asteriadou, C. Barney, J. James, and C. S. Smith. 1997. A harbor in the valley: The airport and job opportunities in inner city Phoenix. *Geographic Information Systems for Engineering—Working Paper No. 97-1, Arizona State University, Tempe, AZ*.

CONFERENCE PRESENTATIONS / SEMINARS :

Smith, C.S. Deliberative Mapping and the Value of Computer-Mediated Communication for Environmental Problem Solving. Paper presented at the Association of Collegiate Schools of Planning 47th Annual Meeting. Forth Worth, TX. November 9-12, 2006.

Bolin, B., Hackett, E., Smith, C.S., and Grineski, Sara. Ten Years After: The TRI and Changing Hazardscapes in Phoenix, Arizona. Paper presented at the Association of American Geographers (AAG) Annual Meeting. Denver, Colorado. April 5-9, 2005.

Hipp, J.A., Lejano, R., Ogunseitan, D. and C.S. Smith. Institutional Models and Opportunities for Innovation in Urban Run-off Management. Paper presented at the Urban Water Research Center's Adaptive Implementation of TMDLs: Interpretation and Application Workshop. Irvine, California. January 19-20, 2005.

Smith, C.Scott, Lejano, R., and Dele Ogunseitan. Text, Context, and Action: The Case for Institutional Coherence in the Regulation of Stormwater in California. Poster presented at the 85th Annual Western Society of Naturalists Conference. Rohnert Park, California. November 11-14, 2004.

Smith, C.Scott. Modeling Hazmat Transport: A spatio-temporal case study. Paper presented at the Association of Collegiate Schools of Planning (ACSP) Annual Conference. Portland, Oregon. October 21-24, 2004.

Smith, C.Scott. Modeling Hazmat Transport: A spatio-temporal case study. Poster presented at the University of California Institute of Transportation Studies. Davis, California. February 2004.

Boarnet, Marlon., Smith, C.Scott., and Nesamani, K.S. Comparing The Influence Of Land Use On Nonwork Trip Generation And Vehicle Distance Traveled: An Analysis Using Travel Diary Data. Poster presented at the Transportation Research Board Annual Conference. Washington D.C. January 2004.

Smith, C.Scott. Modeling Environmental Risk Using EPA's Toxic Release Inventory (TRI): A spatial analysis research sampler. Poster presented at the California Association of American Planners. September 2003

C. Scott Smith, and C. Redman. Modeling Land Use Trajectories. CAP LTER Historic Land Use Study: Phase II. Presentation at Université Jean Monnet Saint Etienne. Saint Etienne, France. May 2002.

Smith, C. Scott, Bolin, Robert, A. Nelson, and E. Hackett. Environmental Injustices and Toxic Trajectories. Poster presented at the Fourth Annual Central-Arizona Phoenix Long-Term Ecological Research Poster Symposium. Tempe, AZ. January 2002.

M. Zoldak, C. S. Smith, J. Fry, and C. Redman. Modeling Land Use Trajectories. CAP LTER Historic Land Use Study: Phase II. Poster presented at the Fourth Annual Central-Arizona Phoenix Long-Term Ecological Research Poster Symposium. Tempe, AZ. January 2002.

S. Garcia, J. Fry, C. S. Smith, and C. Redman. CAP LTER Historic Land Use Trends. Poster presented at the Fourth Annual Central-Arizona Phoenix Long-Term Ecological Research Poster Symposium. Tempe, AZ. January 2002.

B. Bolin., A. Nelson, C. S. Smith, E. Hackett, D. Pijawka, and E. Sadalla. Environmental Equity in Phoenix, Arizona: the Spatial Distributions of Hazardous Facilities and Vulnerable Populations. Paper presented at the Federal-State Toxicology and Risk Analysis Committee Meeting. Phoenix, AZ. October 2001

Smith, C. S. Geographic Information Science Research Support at ASU: Data and Analyses. Talk presented at ESRI User Group Meeting. Tempe, AZ. October 2001

Bolin, B., A. Nelson, E. Hackett, D. Pijawka, M. O'Donnell, C. S. Smith, D. Sicotte, and E. Sadalla. South Phoenix Assessment of Community Environment. Poster presented at the Third Annual Central-Arizona Phoenix Long-Term Ecological Research Poster Symposium. Tempe, AZ. January 2001.
Nogue, L., J. Fry, C. Patterson, C. S. Smith, and C. Redman. CAP LTER Historic Land Use Phase II. Poster presented at the Third Annual Central-Arizona Phoenix Long-Term Ecological Research Poster Symposium. Tempe, AZ. January 2001.

Smith, C. S. Modeling Opportunity: Employment Accessibility and the Economic Performance of Metropolitan Phoenix Neighborhoods. Paper presented at the School of Planning and Landscape Architecture's Integrated Land Use and Environmental Models Symposium: A Survey of Current Applications and Research. Tempe, AZ. October 2000.

Smith, C. S. Urban Land Use Modeling. Talk presented at the Arizona Geographic Information Council's Seventh Annual Conference, Prescott, AZ. July 2000.

Smith, C. S., and C. Redman. Urban Ecology and Land Use Change in Metropolitan Phoenix. Talk presented at the Urban Affairs Association 30th Annual Meeting. Los Angeles, CA. May 2000.

Reid, E., J. Hoppmann, C. S. Smith, J. Fry and C. Redman. CAP LTER Historic Land Use Study: Phase II. Poster presented at the Second Annual Central-Arizona Phoenix Long-Term Ecological Research Poster Symposium. Tempe, AZ. January 2000.

Smith, C. S. Historic Land Use Analysis in the Greater Phoenix Area. Poster presented at the Arizona Geographic Information Council's Sixth Annual Conference, Tucson, AZ. August 1999.

Burns, E. K., and C. S. Smith. Progress Toward an Academic GIS Enterprise. Talk presented at the Arizona Geographic Information Council's Fifth Annual Conference, Tempe, AZ. August 1998.