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Education	Ph.D. Student, Geography, University of Southern California M.Sc., Geography, University of Southern California, 2003 B.Sc., Environmental Studies (Chemistry Concentration), University of Southern California, 2001
Positions Held	Graduate Research Assistant, Department of Geography, University of Southern California, 2002-present Visiting Scholar, Department of Mathematics and Geospatial Science, Royal Melbourne Institute of Technology, Melbourne, Australia, 2004 Graduate Teaching Assistant, Department of Geography, University of Southern California, 2001-2002 Graduate Research Assistant, Department of Geography, University of Southern California, 2000-2001
Professional Society Memberships	Association of American Geographers American Geophysical Union
Honors/Awards	2003. Best Physical Geography Student Paper, Department of Geography, University of Southern California
Current Research Interests	Digital Terrain Analysis Environmental Modeling Spatial Analysis Urban Biogeography

RESEARCH AND SCHOLARLY ACTIVITIES

Journal Articles	2006. Wilson J.P. and Lam C.S. Comparison of the performance of GIS-based flow routing algorithms. <i>Hydrological Processes</i> 20: in press 2004. Wilson J.P., Lam C.S., and Holmes-Wong D.A. A new method for the specification of geographic footprints in digital gazetteers. <i>Cartography and Geographic Information Science</i> 31(4): 195-207
Manuscripts In Progress	Martino D., Lam C., and Longcore T. Green Visions Plan: Target Species for Habitat Conservation Planning. <i>Urban Ecosystems</i> (manuscript near completion) Wilson J.P., Deng, Y.X., and Lam C.S. Terrain-based description of earth surface and atmospheric processes. <i>Progress in Physical Geography</i>

(data analysis completed and manuscript near completion)

**Conference and
Symposium
Proceedings**

2002. Lam C.S., Wilson J.P., and Holmes-Wong D. Building a neighborhood-specific gazetteer for a digital archive. *Twenty-second International Environmental Systems Research Institute Users Conference, San Diego, California*

**Technical Reports
/ Working Papers**

2004. Wilson J.P., Goldberg D.W., and Lam C.S. *The ArcGIS Coastal Sediment Analyst: A Prototype Decision Support Tool for Regional Sediment Management*. Los Angeles, California, University of Southern California GIS Research Laboratory

_____. Li C., Chen H., Lam C.S., Longcore T., Sayre J., Schmoker K., and Wolch J.R. *Online Library of Habitat, Watershed, and Recreational Open Space Plans in Southern California: Architecture and Analysis*. Los Angeles, California, University of Southern California GIS Research Laboratory and Center for Sustainable Cities, Green Visions Plan Technical Report #3

_____. Lam C.S., Chen H., Li C., Sayre J., and Wilson J.P. *Data Inventory for Green Visions Planning and Analysis*. Los Angeles, California, University of Southern California GIS Research Laboratory and Center for Sustainable Cities, Green Visions Plan Technical Report #4

_____. Longcore T, Lam C.S., Wilson J.P. *Analysis of Butterfly Survey Data and Methodology from San Bruno Mountain Habitat Conservation Plan (1982-2000) 1. Status and Trends*. Los Angeles, California, University of Southern California GIS Research Laboratory

2001. Lam C.S. *Customizing the UCSB GEOG 176B Arc/Info Version 8 Lab Assignments for Different Locations*. Los Angeles, California, University of Southern California GIS Research Laboratory

Maps

2003. Chen N., Deng Y.X., Lam C.S., Sister M.C., and Wilson J.P. LUSK Growth Visioning Southern California Reference Map. Prepared for ULI-Los Angeles District / USC Lusk Center for Real Estate Summit, Los Angeles, California

_____. Roseman C.C. and Lam C.S. ARRL Amateur Radio Map of North America. Prepared for American Radio Relay League, Inc., Newington, Connecticut

**Conference /
Symposium
Presentations**

2005. Analysis of Butterfly Survey Data and Methodology from San Bruno Mountain Habitat Conservation Plan (1982-2000). *Annual Meeting of the Association of American Geographers, Denver, Colorado* (with Travis R. Longcore and John P. Wilson)

2004. Comparison of flow-routing algorithms used in Geographic Information Systems. *Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania* (with John P. Wilson and Yongxin X. Deng)

2003. Building a geospatial browser and gazetteer for the Los Angeles Digital Archive. *Annual Meeting of the Association of American Geographers, New Orleans, Louisiana* (with John P. Wilson, Deborah H. Holmes-Wong, and W.R. Shoaf)

_____. Delineating landscapes using terrain analysis and fuzzy classification methods. *Ian Moore Memorial Symposium on Terrain Analysis, Canberra, Australia* (with John P. Wilson and Yongxin X. Deng)

2002. Building a neighborhood-specific gazetteer for a digital archive. *Twenty-*

**Invited Lectures /
Seminars**

- second International Environmental Systems Research Institute Users Conference, San Diego, California* (with John P. Wilson and Deborah H. Holmes-Wong)
2004. Comparison of flow-routing algorithms used in Geographic Information Systems. *Department of Mathematics and Geospatial Science, Royal Melbourne Institute of Technology, Melbourne, Australia* (with John P. Wilson and Yongxin X. Deng)
- ____. “Earthquakes,” Department of Geography, University of Southern California, Los Angeles, California (GEOG 260 – Natural Hazards)
- ____. “Volcanoes,” Department of Geography, University of Southern California, Los Angeles, California (GEOG 260 – Natural Hazards)
2002. “The Growth Visioning Workshop: Map Design and Spatial Analysis Support” *Lusk Center for Real Estate Research Colloquium, University of Southern California, Los Angeles, California*

TEACHING

**Teaching
Assignments**

2001. Lab instructor and grader for GEOG 260 – Natural Hazards (course taught by Professor John Wilson, University of Southern California)
2001. Lab instructor for GEOG 381 – Geographic Information Science (course taught by Professor John Wilson, University of Southern California)

PROFESSIONAL SERVICES

**Manuscript
Reviews**

Water Resources Research