

CURRICULUM VITAE

Karl E. Grossner
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PROFILE

In graduate studies I'm seeking to develop a theoretical foundation for extending Geographic Information Systems (GIS) data models to meet the particular requirements of historical scholarship and learning. My dissertation title is "A Semantic Data Model for Representing Human History in Geographic Information Systems." I am an experienced designer/developer of web software and instructional material, with a professional background in computing, including databases, graphical communication and networks.

EDUCATION

Ph.D. Candidate, Geography 2005-present
University of California, Santa Barbara
Principal research interests: Historical GIS; digital atlases; ontologies for knowledge representation in digital systems
Advisor: Dr. Michael F. Goodchild *Expected completion:* Sep, 2009

Bachelor of Science, Instructional Design and Technology 2005
California State University, Chico; Summa Cum Laude

AWARDS

- National Science Foundation IGERT Fellowship in Interactive Digital Multimedia 2005-2008
- AAG-NSF Student Travel Award (\$2000), 31st IGC in Tunis, Aug 2008 March, 2008
- Student Paper Travel Award (\$800), UCGIS Summer Assembly June, 2006
- Outstanding Instructional Technology Student, CSU Chico Spring, 2005

RESEARCH EXPERIENCE

Geovisualization and GIS database design May, 2006-June, 2008
NSF-IGERT Program in Interactive Digital Multimedia, UC Santa Barbara
Co-led a multidisciplinary 7-member student research team designing and developing *Spheres of Influence*, an interactive digital information visualization exhibit on the spatial, temporal and semantic dimensions of global news reporting [*SOI 2007*] and US presidential election information streams [*SOI 2008*].

PUBLICATIONS

Grossner K, Goodchild M and Clarke K (2008). "Defining a Digital Earth System." *Transactions in GIS*, 12(1):145-160

Grossner K and Clarke K (2007). Is Google Earth, "Digital Earth?" – Defining a Vision. In *Proceedings of the 5th International Symposium on Digital Earth*, Berkeley, CA

CONFERENCE PRESENTATIONS

"The First History of the 2008 Election Cycle—Modeling and Measuring Election Discourse" SSHA, Miami, FL; Oct 2008

"Spatiotemporal Primitives in Print Historical Atlases and Historical GIS" AAG, Boston, MA; Apr 2008

"Defining a Digital Earth System" AAG, San Francisco, CA; Apr 2007

"Is Google Earth, 'Digital Earth?'—Defining a Vision" UCGIS, Vancouver, WA; Jun 2006

PROFESSIONAL MEMBERSHIPS

- Association of American Geographers (AAG)
 - Social Science History Association (SSHA)
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