

Karl Grossner

I am a Ph.D. candidate in the Geography Department at the University of California, Santa Barbara. My advisor and committee chair is Dr. Michael F. Goodchild. I'm seeking to develop a theoretical foundation for extending GIS data models to meet the particular requirements of historical scholarship and learning. The working title for my dissertation is "Spatiotemporal Data Models for Representing Human History in Geographic Information Systems." My research interests include ontology-driven database design, knowledge representation, the cognitive aspects of multimedia learning, and digital earth systems.

I am also an experienced designer/developer of web software and instructional material, with a background in several aspects of computing, including databases, graphical communications and networks. In 2003 I founded nonprofit World Heritage Web, Inc., dedicated to developing innovative geographic web software for research and education (www.worldheritageweb.org).

PUBLICATIONS

Grossner K, Goodchild M and Clarke K (in press). Defining a Digital Earth System. *Transactions in GIS*.

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