

## Professional

**Current Position:** Director, Redlands Institute, University of Redlands

**Previous Positions of Interest:** Senior Technical Consultant; Environmental Systems Research Institute (ESRI); GIS Department Director; Lancaster County, PA

## Education

M.S. Geography, Pennsylvania State University

B.A. Anthropology, Pennsylvania State University

## Work

Principal Investigator for University of Redlands' Army Research Office grant for integrating ecological science and geographic information science in support of the Ft. Irwin National Training Center.

Research Supervisor for University of Redlands work for the National GeoSpatial-Intelligence Agency (in collaboration with University of California – Santa Barbara), the NASA Jet Propulsion Laboratory, the U.S. Environmental Protection Agency, the CA Water Resources Control Board, and others.

## Position

The University of Redlands involvement in the specialist workshop is related to collaborative research funded by the NGA. The Redlands Institute (at the University of Redlands) is working to design and develop application prototypes that integrate research products from UCSB and others with complementary information science technologies. Our grant sponsors and clients have an increasing need for tools that can synthesize knowledge from disparate, unstructured information sources – databases, file systems, document libraries, the internet, and enterprise GIS repositories.

We are currently exploring how ontology-based inference engines could enhance the functionality of a digital gazetteer service. We are interested in demonstrating how a gazetteer could be extended to by an ontologically-driven inference engine to facilitate the automated extraction of geographic information for a specific named location.