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## Primary interests

Geography education

Cartography/GIS

Spatial thinking and learning

## Recent research

2007 “Developing a Spatial Thinking Skills Taxonomy: Are there Important Lessons to Learn from Bloom?” *Research in Geographic Education* 9 (2): 35-40.

2007 Historical Gazetteer of Butler County, Pennsylvania. Lu Eisler, Glee C. McKnight, and Janet S. Smith  
Pittsburgh: Mechling Press .



2006 “Spatial Patterns of NCLB in Pennsylvania”  
Proceedings of the Annual Meeting Volume XIII.  
Pennsylvania Geographical Society.

2005 “Flow Theory and GIS” *International Research in Geographical & Environmental Education* 14 (3): 223-230.

Other recent projects: DCNR State Park mapping (with A. Feeney); Influences on adolescent spatial ability; Measuring the cumulative effects of an environmental education program on student environmental attitudes (with student Holly Smith); GIS and its use in the secondary science classroom (with student Aaron Knaap)



May 2007: With student Jim Spatz, we participated in a workshop in Chile that examined the development of geographic knowledge and global attitudes when university students work collaboratively on line with peers in other countries.

## Courses

Geo 101 World Geography

Geo 202 GIS 1

Geo 352 Cartography

Geo 363 GIS 2

Geo 420 GIS 3

Geo 517 Applied GIS