

Chris Harding

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Degrees Awarded:

Diplom (M.Sc.)	Free University Berlin, Germany	Geology	1993
Ph.D.	University of Houston, Texas	Geology	2001

Research Experience:

Research Assistant	Virtual Reality	VETL (U. of Houston)	97-01
Assistant Professor	Geoscience/HCI	Iowa State University	03-

Teaching Experience (Iowa State University):

Fall03/04:	GEOL553: Computer Mapping (GIS for Geoscientists)
Spring04:	GEOL590P: Special Problems (Quantitative Methods and GIS): Geostatistics
Spring 05	GEOL456556X: Introduction to Geostatistics using ArcGIS

Industry Experience:

Shell Oil (Shell Geoscience Services):	2001-2003
Exxon-Mobil Upstream Research:	2000-2001
Lynx Geosystems Inc.	1994-1997

Synergistic Activities:

- Invited Speaker: Geovisualisation 2004, Euroconference on methods to support interaction in geovisualisation environments, Kolymbari (Crete) Greece 12 - 18 March 2004
- Visiting Scientist: 99-00, Australian National University/CSIRO CMIS, Canberra, Australia

Publications (selection)

- Harding, C., Newcomb, M. (2004) Supporting Interactive Data Exploration for GIS Planning Tasks with a Multi-modal Virtual Environment, Proc. HAVE'04, Oct. 2004, Ottawa
- Harding, 2004: Modeling of geoscience data in a multi-sensory Virtual Environment, IEEE Computing in Science and Engineering (CiSE), Jan/Feb. 2004 issue
- Harding, 2002: "A Testbed Haptic Particle-Spring-System Tool for Interactive Data Manipulation", Phantom Users Group (PUG) Meeting 2002, Santa Fe.
- Harding, 2001: "Multi-sensory investigation of geoscientific data: adding touch and sound to 3D visualization and modeling", Dissertation, Geoscience Department, University of Houston.
- Harding, Kakadiaris, Casey, Loftin, 2001: "A multi-sensory system for the investigation of geoscientific data", Computer & Graphics, Vol. 26, Elsevier Press.
- Harding and Loftin, 2000: "Interactive Visualization of Geoscientific data within a virtual Environment", Proceedings of SPIE Vol. 3960: Visual Data Exploration and Analysis, San Jose, California, p.246-257