

September 2006

**JORDAN T. HASTINGS**

Post Office Box 13166  
Reno, Nevada 89507

775 / 771-3166 jordan@jth-geog.net

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**GEOGRAPHIC INFORMATION SCIENTIST**

**PERSONAL SUMMARY**

Accomplished practitioner, manager, and educator, with a diverse background of academic and public-sector experiences in management of geographic/scientific data.

The unifying theme in my career is geocomputation, which spans computer algorithms, database management, geographic information systems, scientific modeling and visualization. In addition, I am an experienced project manager, having led a number of database and GIS/mapping activities for DOE, EPA, NOAA, NSF, and USGS. I also have participated broadly in the university research and teaching community. My current research focuses on geodatabase designs for digital gazetteers and geologic maps.

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**EDUCATION**

**Ph.D. Candidate**, University of California Santa Barbara, 2006 expected

**M.S. Geography**, University of Nevada, Reno, 1998

**M.S. Computer Science**, University of Colorado at Boulder, 1974

**B.S. Mathematics**, University of San Francisco, California, 1970

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**RELEVANT EMPLOYMENT / ACCOMPLISHMENTS**

**Staff Researcher**, University of California, Santa Barbara, CA; part-time, 2006 to present

Doctoral candidate; developing advanced gazetteer (place referencing) systems to support data mining, information retrieval and Web search applications

**Interim Director, Info. Systems**, Tahoe Regional Planning Agency, Stateline NV; 2004-2005

Restarted IT operations after a mass resignation. Managed the Agency's information systems and resources overall; prepared State budget requests; began planning for enterprise GIS

**Research Geographer**, U.S. Geological Survey, Santa Barbara, CA; 2001-2004

Developed databases and software tools for a national library of geological maps; prototyped these systems in a collaborative GIS for the Lake Tahoe region

**Chief Scientist / Research Director**, go2 Systems, Inc., Irvine, California; 1999-2001

Established company's research unit in Santa Barbara, employing 6; implemented a novel, patented georeferencing system for use in Web and wireless location-based services

**Research Assistant Professor**, Computer Science, University of Nevada, Reno; 1996-1999

Instructed courses in database management and geographic information systems; supervised four Masters students; conducted independent research with NSF and USGS

**Assistant Research Scientist, Data Manager**, Desert Research Institute, Reno, NV; 1992-1996

Developed GIS/database applications for tracking nuclear cleanup at the Nevada Test Site; founding GIS/data manager for McMurdo (Antarctica) Long-Term Ecological Research site

**Senior Analyst**, Lockheed Engineering and Sciences Company, Las Vegas, NV; 1991-1992

**Professional Research Assistant**, University of Colorado/CIRES, Boulder, CO; 1987-1991

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**SELECTED PUBLICATIONS & PRESENTATIONS**

- Hastings, Jordan T., 2006. Multihulls; at: GIScience 2006 Conference (Muenster, Germany; 19-23 September 2006)
- Hastings, Jordan T. & Hill, Linda L., 2006. Automated Conflation of Digital Gazetteer Data; at: GIScience 2006 Conference (Muenster, Germany; 19-23 September 2006)
- Hastings, Jordan T., 2005, unpub. A fibre model of knowledge for rich collaborative knowledge stores.
- North American Geologic Map Data Model (NADM) Steering Committee Data Model Design Team, 2004. NADM Conceptual Model 1.0—A Conceptual Model for Geologic Map Information. USGS Open File Report 04-1334; online: <http://pubs.usgs.gov/of/2004/1334/>
- Hastings, Jordan T., Raines, Gary L., and Schweickert, Richard A., 2003. The Lake Tahoe Geologic Information System: A National Geologic Map Database Pilot Project; at: Geological Society of America 2003 Meeting (Seattle, WA; 2-5 November 2003)
- Clarke, Keith C., Dana, Peter H., and Hastings, Jordan T., 2002. The New World Geographic Reference System. *Cartography and GIS*, 29 (4) pp.355-62.
- Hastings, Jordan & Hill, Linda, 2002. Treatment of “Duplicates” in the Alexandria Digital Library Gazetteer; at: GIScience 2002 Conference (Boulder, CO; 25-28 September 2002); online: [www.geog.ucsb.edu/~jordan/adlgaz/2i28\\_gisc02-pres0.ppt](http://www.geog.ucsb.edu/~jordan/adlgaz/2i28_gisc02-pres0.ppt)
- Brodaric, Boyan & Hastings, Jordan, 2002. An Object Model for Geologic Map Information; in: Proceedings of SDH 2002 Conference (Ottawa, Canada; 9-12 July 2002), Richardson, D & van Oosterom, P. (Eds.) *Advances in Spatial Data Handling*, pp 55-68; Springer
- Hastings, Jordan & Otter, Ada, 2002. A Geologic Gazetteer of the Lake Tahoe Region; in: Proceedings of DMT'02 Workshop (Salt Lake City, UT; 19-22 May 2002), USGS Open File Report 02-0370, p.67-74; online: <http://pubs.usgs.gov/of/2002/of02-370/hastings.html>
- Hastings, J.T., 1998. Digital Geospatial Datasets Pertaining to the McMurdo Dry Valleys of Antarctica; in: Priscu, John C. (Ed.) *Ecosystem Dynamics in a Polar Desert: the McMurdo Dry Valleys, Antarctica*. American Geophysical Union.
- Wharton Jr., R.A. & Hastings, J.T., 1995. Report of the Joint NSF/USGS Workshop on Antarctic Geographic Information Systems (Reston, Virginia; 28-30 September 1994)
- Beran, D.W. & Hastings, J.T. 1989. The SWORD Project: Pointing New Directions in Environmental Science Data Management; in: Proceedings of Fall 1989 ERIM Conference on Earth Observations and Global Change Decision Making: A National Partnership (Washington, DC); pp. 259-67.

**RECOGNITIONS**

Jack and Laura Dangermond Graduate Fellowship, 2003/04, Univ. of California Santa Barbara  
 David Simonett Fellowship (Honorable Mention), 2002, University of California, Santa Barbara  
 Technology Advancement Award, 1984, National Center for Atmospheric Research, Boulder, CO

**AFFILIATIONS**

American Management Association  
 Association of American Geographers  
 Association for Computing Machinery  
 Geological Society of America