

## Timothy L. Nyerges

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### Professional Preparation

Ohio State University, Geography with distinction (economic geography) B.A. 1975  
Ohio State University, Geography (urban and cognitive geography) M.A. 1976  
Ohio State University, Geography (geographic information systems) Ph.D. 1980

### Appointments

9/85 - present Asst, Assoc, Full Prof, Dept of Geography, U of Washington, Seattle, WA 98195  
9/00 - present Affiliate Professor, Water Resources Center, U of Washington, Seattle, WA 98195  
3/83 - 8/85 Digital Mapping and GIS Consultant for national and international companies  
7/80 - 1/83 Software Project Manager, Synercom Technology, Inc., Sugar Land TX

### Five Most Closely Related Publications

- T. Nyerges, S. Dudgeon, T. Faulkes, M. Hett, 2007. Constructing a Coastal Data Model for Puget Sound, Proceedings of Coastal Zone '07, Portland OR  
[http://www.csc.noaa.gov/cz/2007/Coastal\\_Zone\\_07\\_Proceedings/PDFs/Thursday\\_Abstracts/3470.Nyerges.pdf](http://www.csc.noaa.gov/cz/2007/Coastal_Zone_07_Proceedings/PDFs/Thursday_Abstracts/3470.Nyerges.pdf)
- Wright, D.J., Watson, S., Bermudez, L., Cummins, V., O'Dea, L., Nyerges, T., Benoit, G., Berman, M., Helly J., and Uhel, R., 2007. *Report on Coastal Mapping and Informatics Trans-Atlantic Workshop 2: Coastal Atlas Interoperability*. Oregon State University, Corvallis, Oregon, USA  
[http://workshop1.science.oregonstate.edu/final\\_rpt2/](http://workshop1.science.oregonstate.edu/final_rpt2/)
- T. Nyerges, K. Ramsey, and M. Wilson, 2006. Design Considerations for an Internet Portal to Support Public Participation in Transportation Improvement Decision Making, in Shivanand Balram and Suzana Dragicevic (eds.) *Collaborative Geographic Information Systems*, Idea Publishing, Hershey PA, pp. 208-230.
- T. Nyerges, M Robkin, T. J. Moore, 1997. Geographic Information Systems for Risk Evaluation: Applications in Environmental Health. special issue of *Cartography and Geographic Information Systems* entitled GIS and Risk Assessment, July, 1997, 24(3):123-144.
- T. Nyerges, 1989. Schema Integration Analysis for GIS Database Development, *International Journal of Geographic Information Systems*, 3(2):153-183, .

### Five Other Significant Publications

- T. Nyerges and M. Patrick, 2007. Rethinking Public Participation as Instant Access to Virtual Meetings, in H. Miller (ed.) *Societies and Cities in the Age of Instant Access*, Dordrecht, Springer, 331-342.
- P. Jankowski, T. Nyerges, D. Tuthill, K. Ramsey. 2006 Design Considerations for Collaborative, Spatio-Temporal Decision Support Systems, *Transactions in GIS*, 10(3): 335-354
- T. Nyerges, P. Jankowski, D. Tuthill, K. Ramsey. 2006. Collaborative Water Resource Decision Making: Results of a Field Experiment, *Annals of the Association of American Geographers*, 96(4):699-725
- C. Drew, T. Nyerges, and T. Leschine, 2004. Promoting Transparency of Long-term Environmental Decisions: the Hanford Decision Mapping Project, *Risk Analysis*, 24(6):1641-1664.
- T. Nyerges, T J Moore, R. Montejano, M. Compton, 1998. Interaction Coding Systems for Studying the Use of Groupware, *Journal of Human-Computer Interaction*, 13(2):127-165.

### Synergistic Activities

Development and evaluation of geospatial decision support tools (local area network and broadband network) for stakeholder groups on six grants (4 as PI, 2 as Co-PI) over past ten years (approx \$3.2M funded by NSF, NOAA, DoE). Tools help elicit stakeholder concerns about regional water resource planning, transportation improvement, hazardous waste cleanup, regional climate change, then translate these concerns into database representations, and use these concerns together with

engineering/scientific databases to foster diverse perspectives in public, analytic-deliberative environmental decision making.

Development of classroom pedagogy on three grants for introducing geospatial information technologies into group learning about community sustainability issues, exploring low, medium and high technology learning milieus.

Textbook preparation and course materials for a course about coastal environment-society relationships to be published by Guildford Press.

Currently President-Elect, University Consortium for Geographic Information Science - 77 member institutions across the US. Organized UCGIS symposiums including one on global change Summer 2007 and Cyberinfrastructure February 2008.

Former Chair, Geographic Information Science and Systems Specialty Group, Association of American Geographers. (largest specialty group within 10,000 member organization)

## **Collaborators & Other Affiliations**

### **Collaborators and co-editors (last 4 years)**

Terry Brooks, UW Information School;

Helen Couclelis, Geography at Univ of CA Santa Barbara;

Richard Fenske, Environmental Health, UW

Piotr Jankowski, Geography, San Diego State University

Joel Kaufmann, Occupational and Environmental Health, UW;

Thomas Leschine, Marine Affairs, UW

Robert McMaster, Geography, Univ of Minnesota;

Douglas Mercer, Geography, UW;

G. Scott Rutherford, Civil and Environmental Engineering, UW;

David Tuthill, Idaho Dept of Water Resources;

Michael Yost, Environmental Health, UW;

Rhonda Young, Architecture and Civil Engineering, University of Wyoming

### **Graduate Advisors**

Lawrence Brown, Ohio State University; Reginald Golledge, U C Santa Barbara; Harold Moellering, Ohio State University (thesis advisor); John Rayner, Ohio State University

**Thesis Advisor** (chair of 20 master student committees and 7 PhD student committees)

#### **Masters graduates past five years and current place of employment:**

Kevin Ramsey, 2004, now PhD student at UW and instructor at UW Bothell

Matthew Wilson, 2005, now PhD student at UW and TA in Geography

Cale Berkey, 2006, City of Seattle Public Utilities

Michalis Avraam, 2007, now PhD student at UW and RA in Geography

#### **Ph D graduates past five years and current place of employment:**

Christina Drew, 2002, National Institute for Environmental Health Science

Charles Hendricksen, 2002, independent scholar

Nicholas Hedley, 2003, Simon Fraser University

James Peet, 2003, Independent Scholar

Scott Miles, 2004, Western Washington University

Jie Wu, 2007, Shenzhen City, China