

## May Yuan

### PROFESSIONAL PREPARATION

Ph.D. (Geography; 1994) the State University of New York at Buffalo.  
M. A. (Geography; 1992) the State University of New York at Buffalo  
B. S. (Geography; 1987) the National Taiwan University

### APPOINTMENTS

2008- Brandt Professor of Atmospheric and Geographic Sciences, University of Oklahoma  
2005-2009 Edith Kinney Gaylord Presidential Professor and Associate Dean, College of  
Atmospheric and Geographic Sciences, University of Oklahoma  
2001- Director, Center for Spatial Analysis, University of Oklahoma  
2000-2005 Associate professor of Geography, University of Oklahoma  
1994-2000 Assistant Professor of Geography, University of Oklahoma

### FIVE CLOSELY RELATED PRODUCTS (\* denote student authors; \*\* denote postdoc authors)

Yuan, M. and A. Nara\*\*. (Accepted). Space-time Analytics of Tracks for the Understanding of Patterns of Life. In *Space-Time Integration in Geography and GIScience: Research Frontiers in the US and China*, edited by Mei-Po Kwan, Douglas Richardson, Donggen Wang and Chenghu Zhou. Springer.  
Yuan, M. and J. Bothwell\*\*. 2012. Space-Time Analytics. In C. Rueckemann (ed.) *Integrated Information and Computing Systems*. IGI Global. Pp. 354-368.  
Gawande, K., H. Jenkins-Smith, M. Yuan. 2012. The Long-Run Impact of Nuclear Waste Shipments on the Property Market: Evidence from Quasi Experiment. *Journal of Environmental Economics*. Preprint online at <http://dx.doi.org/10.1016/j.jbbr.2011.03.031>  
Bothwell\*, J and M. Yuan. 2010. Apply Concepts of Fluid Kinematics to Represent Continuous Space-Time Fields in Temporal GIS. *Annals of Geographic Information Science*, 16(1): 27-41.  
Plutar\*, E. F., T. J. Cova, M. Yuan, and M. F. Goodchild. 2010. EDGIS: A dynamic GIS based on Space Time Points. *International Journal of Geographic Information Science*, 24(3):329-346.

### FIVE OTHER SIGNIFICANT PRODUCTS (\* denote student authors)

Bothwell\*\*, J. and M. Yuan. 2012. A Spatiotemporal GIS Framework Applied to the Analysis of Changes in Temperature Patterns. *Transactions in GIS*. Preprint online at <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-9671.2012.01327.x/abstract>  
Yuan, M. 2009. Knowledge discovery of geographic dynamics in spatiotemporal data. In *Geographic Data Mining and Knowledge Discovery* (2ed) edited by H. Miller and J. Han. CRC/Taylor and Francis.  
Cheuk\*, M. L. and M. Yuan. 2009. Assessing spatial uncertainty of LiDAR-derived building model: a case study in downtown Oklahoma City. *Photogrammetry Engineering and Remote Sensing*: 75(3): 257-270.  
Basara\*, H. G. and M. Yuan. 2008. Community health assessment using self-organizing maps and geographic information systems. *International Journal of Health Geographics* (<http://www.ij-healthgeographics.com/content/7/1/67>)  
Myint, S., M. Yuan, R. S. Cervený, and C. P. Giri. 2008. Categorizing Natural Disaster Damage Assessment Using Satellite-Based Geospatial Techniques: using Satellite-based Geospatial Techniques. *Natural Hazards and Earth System Sciences*, 8: 707-719.

### SYNERGISTIC ACTIVITIES

- North American Editor of *International Journal of Geographic Information Science* (since 2008)

- Editorial board of *Annals of American Association of Geographers* (since 2006)
- Member of Mapping Science Committee, National Academy of Science (2009-2014)
- Member of Academic Advisory Committee, United State Geospatial Intelligence Foundation (since 2010)
- President, University Consortium for Geographic Information Science (2010-2011)

## **COLLABORATORS AND OTHER AFFILIATIONS IN THE LAST 48 MONTHS**

### **CO-AUTHORS AND CO-EDITORS**

Daniel Andresen, Kansas State University; Daniel Ames, Brigham Young University; Tom Bacastow, Penn State University; Sarah Battersby, University of South Carolina; Heather Basara, University of Oklahoma; James Beach, University of Kansas; Ling Bian, State University of New York at Buffalo; David J. Bodenhamer, Indiana University Purdue University; Tom Cova, University of Utah; Walter Dodds, Kansas State University; R. Cervený, Arizona State University; Charles Emerson, Western Michigan University; K. Gawande, Texas A&M University; ; Dan Goldberg, Texas A&M University; Michael Goodchild, University of California – Santa Barbara; C. Giri, Arizona State University; Kathleen Hancock, Virginia Polytechnic Institute and State University; H. Jenkins-Smith, University of Oklahoma; Leonard Krishtalka, University of Kansas; David Mark, State University of New York at Buffalo; Robert McMaster, University of Minnesota; Donald McMullen, University of Kansas; Jeremy Mennis, Temple University; Soe Myint, Arizona State University; Tim Nyerges, University of Washington; J.B. (Jack) Owens, Idaho State University; Mark Palmer, Oklahoma State University; Brandon Plewe, Brigham Young University; Steve Prager, University of Wyoming; Edward Plutar, University of Southern California; Laxmi Ramasubramanian, Hunter College, City University of New York; Kathleen Stewart, University of Iowa; Thomas Shirley, Texas A&M University at Corpus Christi, James Simon, Texas A&M University at Corpus Christi; Dan Sui, Ohio State University; David Tulloch, Rutgers University; Shaowen Wang, University of Illinois Urbana-Champaign; John P. Wilson, University of South California; Michael Worboys, University of Maine. Enki Yoo, State University of New York at Buffalo.

### **Graduate and Postdoctoral Advisors**

Ph.D. Advisor: David M. Mark, State University of New York at Buffalo

Master Advisor: Hugh Calkins (deceased), State University of New York at Buffalo

### **Thesis Advisor and Postgraduate Scholar Sponsor**

John McIntosh (City of Norman), Stephen Dumolt (private firm in Florida), Josephine Adams (GIS company in Missouri), Williams Tanskley (Utility company in Arizona), Jason Foreman (Redpaws Technology, Inc.), Shannon Kuhn (GIS company in Tulsa), Chad Hall (GIS company in Tulsa), David Slayter (Environmental Consulting Firm in California), Karla Sterling (Utility company in Santa Fe), George Standridge (Oklahoma Geological Survey), Dustin Howard (Intelligence in DC), Mang Lung Cheuk (Hong Kong Baptist University), James Bothwell (Oklahoma Community College), Melissa Scott Brown (University of Oklahoma), Darrel Kingfield (National Severe Storm Laboratory), Christopher Sutton (GIS company in Atlanta), Chih-Yu Lai (University of Oklahoma), Jeremy Andrakes (Chesapeake Energy), Jason Redden (Norman Police Department), Matthew Moore (Environmental Consulting Firm in Oklahoma City), Alexandria McCormick (Oklahoma Climatological Survey), Nicole Gram (University of Oklahoma), Ying Zhang (University of Oklahoma), Grant De Lozier (University of Oklahoma), Amber Cannon (University of Oklahoma), Seong Nam Hwang (University of Oklahoma), Benjamin Dewayne Branch (North Carolina State University), Marguerite Keese (University of Oklahoma), Atsushi Nara (University of Oklahoma),

and Ting Lei (University of South Carolina) (Total: 27 graduate students and 4 postdoctoral scholars)