

**BIOGRAPHICAL SKETCH**  
**MAY YUAN, Ph.D.**

Email: [myuan@utdallas.edu](mailto:myuan@utdallas.edu)  
Phone: 405-850-0034

**(a) Professional Preparation**

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

**(b) Appointments**

University of Texas at Dallas, Richardson, TX; School of Economic, Political, and Policy Sciences  
2014 – Present: Ashbel Smith Professor of Geospatial Information Sciences

University of Oklahoma, Norman, OK; College of Atmospheric and Geographic Sciences:  
2008–2014: Brandt Professor and Edith Kinney Gaylord Presidential Professor  
2005-2009: Associate Dean, College of Atmospheric and Geographic Sciences

University of Oklahoma, Norman, OK; Center of Spatial Analysis:  
2001–2014: Director

University of Oklahoma, Norman, OK; Department of Geography  
2005–2008: Professor and Edith Kinney Gaylord Presidential Professor  
2000–2005: Associate Professor  
1994–2000: Assistant Professor

**(c) Products**

(i) Five most closely related to the proposed project

1. Yuan, M. and A. Nara. (2015). 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 M. Kwan, D. Richardson, D. Wang and C.Zhou. Springer. Pp. 373-398.
2. Yuan, M., A. Nara, and J. Bothwell (2014). Space-Time Representation and Analytics. *Annals of GIS*, 20(1):1-9.
3. Bothwell, J. and M. Yuan (2012). A Spatiotemporal GIS Framework Applied to the Analysis of Changes in Temperature Patterns. *Transactions in GIS*, 16(6): 901-919.
4. Yuan, M., J. McIntosh, and G. De Lozier (2015). GIS as a Narrative Generation Platform. In *Deep Maps and Spatial Narratives*, edited by D. Bodenhamer, J. Corrigan, and T. Harris. Indiana University Press, Pp. 176-202.
5. Bothwell, J. and M. Yuan. 2012. A Spatiotemporal GIS Framework Applied to the Analysis of Changes in Temperature Patterns. *Transactions in GIS*, 16(6): 901-919.

(ii) Five other significant products

1. Jung, C., C. H. Sun, M. Yuan. 2013. An Ontology-enabled Framework for a Geospatial Problem-Solving Environment. *Computer, Environment, and Urban Systems*. 38: 45-57.
2. Yuan, M., J. McIntosh, and G. De Lozier (2015). GIS as a Narrative Generation Platform. In *Deep Maps and Spatial Narratives*, edited by D. Bodenhamer, J. Corrigan, and T. Harris. Indiana University Press, Pp. 176-202.
3. Gawande, K., H. Jenkins-Smith, M. Yuan (2013). The Long-Run Impact of Nuclear Waste Shipments on the Property Market: Evidence from Quasi Experiment. *Journal of Environmental Economics*, 65(1): 56-73.
4. Yuan, M. and J. Bothwell\*. 2012. Space-Time Analytics for Spatial Dynamics. In C. Rueckemann (ed.) *Integrated Information and Computing Systems*. IGI Global. Pp. 354-368.
5. Plutar\*, E. F., T. J. Cova, M. Yuan, and M. F. Goodchild. 2010. EDGIS: A dynamic GIS based on Space Time Point. *International Journal of Geographic Information Science*, 24(3):329-346.

#### **(d) Synergistic Activities**

1. Member, Academic Advisory Board, United States Geospatial Intelligence Foundation (since 2010)
2. Member, Mapping Science Committee, National Research Council (2009-2014)
3. American Editor for the *International Journal of Geographic Information Science* (since 2008)
4. Editorial board of *Annals of American Association of Geographers* (since 2005)
5. Editorial board of *Cartography and Geographic Information Science* (since 2013)

#### **(e) Collaborators and Other Affiliations**

**Collaborators:** Daniel Ames (Brigham Young University), Tom Bacastow (Penn State University), James Beach (University of Kansas), David J. Bodenhamer (Indiana University Purdue University), Sytze de Bruin (Wageningen University, The Netherlands), Alexis Comber (University of Leicester, United Kingdom), Sara Fabrikant (University of Zurich, Switzerland), Roberto Franzosi (Emory University), K. Gawande (Texas A&M University), Michael Goodchild (University of California – Santa Barbara), Bo Huang (The Chinese University of Hong Kong, China), Shashi Shekhar (University of Minnesota), Mei-Po Kwan (University of Illinois Urbana-Champaign), Brian Lee (The University of New South Wales, Australia), Hui Lin (The Chinese University of Hong Kong, China), H. Jenkins-Smith (University of Oklahoma), David Maidment (University of Texas), Steve Manson (University of Minnesota), Robert McMaster (University of Minnesota), J.B. (Jack) Owens (Idaho State University), David O'Sullivan (University of California, Berkeley), 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), Ming-Hsiang Tsou (San Diego State University), Robert Weibel (University of Zurich, Switzerland)

#### **Thesis Advisor:**

Ph.D. advisor: David Mark, State University of New York at Buffalo  
MA advisor: Hugh Calkins, State University of New York at Buffalo (deceased)

#### **Thesis and post-graduate advisees (degree, current position): Committee Chair Only; †Women; \* African American.**

Previous (Ph.D.): John McIntosh (Ph.D., Senior GIS Professional at City of Norman), Mang Lung Cheuk (Ph.D. Assistant Professor, Hong Kong Baptist University), James Bothwell (Ph.D. Assistant Professor, Oklahoma Community College);

Previous (M.S.): Stephen Dumolt (MA, private consulting firm in Florida), †Josephine Adams (MA, Great River Associates, a GIS company in Missouri), Williams Tanskley (MA, Utility company in Arizona), Jason Foreman (MA, Redpaws Technology, Inc.), †Shannon Kuhn (MA, GIS company in Tulsa), Chad Hall (MA, GIS company in Tulsa), David Slayter (MA, Furgo Consultants, California), †Karla Sterling (MA, Office of State Engineer, State of New Mexico), George Standridge (MA, Oklahoma Geological Survey), Dustin Howard (MA, NGA in DC), †Melissa Scott Brown (MA, University of Oklahoma), Christopher Sutton (MA, GIS company in Atlanta), Darrel Kingfield (MS, National Severe Storm Laboratory), Jeremy Andrakes (MS, RKI Exploration & Production), †Alexandria McCormick (MS, currently Ph.D. in progress at University of South Carolina), †Nicole Gram (MS, Weather Fusion Technologies);

Previous Postdoc: \*Benjamin Dewayne Branch (postdoc, currently postdoc at Purdue University, Ting Lei (postdoc. Currently research scientist at University of South Carolina), †Marguerite Keese (postdoc. Currently research scientist at University of Oklahoma), Atsushi Nara (postdoc. Currently Assistant Professor at San Diego State University);

Current (Ph.D.): Arlo McKee, Yan-Ting Liau

**Total = 24.**