Tsou, Ming-Hsiang, Ph.D.

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PROFESSIONAL PREPARATION

National Taiwan University	Geography	B.S.	1991
State University of New York at Buffalo	Geography	M.A.	1996
University of Colorado at Boulder	Geography	Ph.D.	2001

APPOINTMENTS

2011- present	Professor, Department of Geography at San Diego State University.
2005- 2011	Associate Professor, Department of Geography at San Diego State University.
2000- 2005	Assistant Professor, Department of Geography at San Diego State University.
1999-2000	Teaching Assistant for Introduction to GIScience, University of Colorado at Boulder.

HONORS AND AWARDS

- 2012 The President's Leadership Fund (PLF) Faculty and Staff Awards for Excellence, San Diego State University.
- The San Diego State University Senate Excellence in Teaching Award for 2010-2011 (the College Awardee).
- 2010 and 2004 Outstanding Faculty Award, San Diego State University.
- 2009 **HI-TEC (education) Innovative Program award** at the 2009 HI-TEC conference (NSF High Impact Technology Exchange Conference) with Professor Kennth Yanow at Southwestern College.

SELECTED PUBLICATIONS

(Most closely related to proposed position paper)

- Tsou, Ming-Hsiang (2011). Mapping Cyberspace: Tracking the Spread of Ideas on the Internet. *Refereed Proceeding of the 25th International Cartographic conference*, July 3-8, 2011, Paris, France.
- Tsou, M. H. (2011). Revisiting Web Cartography in the United States: the Rise of User-Centered Design. *Cartography and Geographic Information Science*, 38 (3), 249- 256.
- Tsou, M. H. and Kim, I. H. (2011) Creating GIS simulation models on a TeraGrid-enabled Geospatial Web Portal: A Demonstration of Geospatial Cyberinfrastructure. In *Advances in Web-based GIS, Mapping Services and Applications* (Volume in ISPRS Book Series). Edited by Songnian Li, Suzana Dragicevic and Bert Veenendaal. 55-70.
- Tsou, M.H. (2009). Chapter 48: The Integration of Internet GIS and Wireless Mobile GIS. In *Manual of Geographic Information Systems*, edited by Marguerite Madden, published by the American Society for Photogrammetry and Remote Sensing (ASPRS), pp. 923-933.
- Zhang, T. and Tsou, M.-H. (2009). Developing a grid-enabled spatial Web portal for Internet GIServices and geospatial cyberinfrastructure, *International Journal of Geographical Information Science. 23(5),pp.605-630.*

(Other significant publications)

- Tsou, M. H. and Yanow, K. (2010). Enhancing General Education with Geographic Information Science and Spatial Reasoning. *Urban and Regional Information Systems Association (URISA) Journal*, Special Issue on Geospatial Education and Training. 22(2), 45-54.
- Kawabata, Mizuki, Thapa, Rajesh, Oguchi, Takashi, and Tsou, Ming-Hsiang (2010) Multidisciplinary Cooperation in GIS Education: A Case Study of US Colleges and Universities, *The Journal of Geography in Higher Education.* 34(4), 493- 509.
- Tsou, M.H. and Curran, J. M. (2008). Chapter 20. User-Centered Design Approaches for Web Mapping Applications: A Case Study with USGS Hydrological Data in the United States. In

International Perspectives on Maps and the Internet. (edited by M. P Peterson). Berlin: Springer., pp. 301-321.

- Tsou, M.H. (2006). Bridging the Gap: Connecting Internet-based Spatial Decision Support Systems to the Field-based Personnel with Real time Wireless Mobile GIS applications. Book chapter in *Collaborative Geographic Information Systems* (Edited by Shivanand Balram and Suzana Dragicevic). Idea Group, Inc., pp. 316-339.
- Tsou, M.H. (2004). Integrated Mobile GIS and Wireless Internet Map Servers for Environmental Monitoring and Management, (the Special Issue on Mobile Mapping and Geographic Information Systems) in *Cartography and Geographic Information Science.* 31(3), pp. 153-165.
- Peng, Z.R. and Tsou, M.H. (2003). *Internet GIS: distributed geographic information services for the Internet and wireless networks.* New York: John Wiley and Sons, Inc.

SYNERGISTIC ACTIVITIES

1. PI (Tsou). National Science Foundation (NSF) Award: "*CDI-Type II: Mapping Cyberspace to Realspace: Visualizing and Understanding the Spatiotemporal Dynamics of Global Diffusion of Ideas and the Semantic Web. Project Period*": 09/01/2010- 08/31/2014. (**$1,300,213**, 48 months). (Co-PIs: Dipak K Gupta, Political Science, SDSU; Jean Marc Gawron, Lingustic, SDSU; Brian Spitzberg, Communication, SDSU, Senior Personnel: An Li, Geography). Funding Amount: $1,300,213.
2. Appointed by the National Academy of Science in 2006 to serve on the committee on "*Research Priorities for the USGS Center of Excellence for Geospatial Information Science*" and completed the NAS report (http://books.nap.edu/openbook.php?record_id=12004) in 2007.
3. Elected as the Chair of the Cartographic Specialty Group in the Association of American Geographers (2007) and the Chair of the Cyber-infrastructure Specialty Group (2012).
4. CO-PI: National Science Foundation, Advanced Technology Education Program (NSF-ATE): "*A Scalable Skills Certification Program in Geographic Information Systems (GIS)*" PI: Dr. Kendra Jeffcoat at San Diego Mesa College. Total Funding Amount: $749, 847. (2004-2007).
5. Lead a volunteer team to established interactive Web-based mapping services for San Diego Wildfire 2007 to provide Web mapping services for helping local San Diego community (http://map.sdsu.edu). Based on the Web server transaction logs, **236,693 unique visitors** visited the Web site during the first week of wildfires.

COLLABORATORS AND OTHER AFFILIATIONS
(Collaborators and co-editors)

Pior Jankowski	Department of Geography, San Diego State University.
Zhong-Ren Peng	Department of Urban and Regional Planning, University of Florida.
Douglas Stow	Department of Geography, San Diego State University.
Gupta Dipak	Department of Political Science, San Diego State University.
Mark Gawron	Department of Linguistics, San Diego State University
Brian Spitzberg	Department of Communications, San Diego State Univerity.

(Graduate advisors)
Barbara P. Buttenfield   Department of Geography, University of Colorado at Boulder.

(Ph.D. and Master Student advisees – total 27 graduate students advised since 2001).
- Jiue-An (Jay) Yang (Ph.D. student, 2011 – present), Department of Geography, SDSU
- Justin Shepard (Ph.D. student, 2009-2010, take leave), Department of Geography, SDSU.
- Ick Hoi Kim (Ph.D. student, 2007-present), Department of Geography, San Diego State University.
- Tong Zhang, Ph.D. 2007, Associate Professor, Wuhan University of Technology, China.

Master Student Advisees: Daniel Lusher, Nicole Stotz, Phil Elder, Cynthia Paloma, Diana Smith, Jennifer Smith, Jeremy Hamm, John Urata, Anthony Howser, Lynn Ford, Ting-Hwan Lee, Kenneth Garner Smith, Kimberly Dodson, Charlie Adler, Jing-Yi Chen, Andy Gordon , Jung Eun (Jesse) Hong, Susmita Panchal, Palomino, David, Judd Curran, Rasmus Larsen, Liang Gou, Yuying Li.