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## **Presentations at Professional Conferences**

(This list does not include invited papers and presentations. A complete CV is available at: <http://www.geog.utah.edu/~hmiller/vita.html>.)

### **Papers**

2007. Harvey J. Miller and Scott Bridwell, "Time geographic fields: A general velocity theory for time geography," *GeoComputation 07*, Maynooth, Ireland, 3-5 September.
2007. Harvey J. Miller "Time geographic fields: A continuous velocity theory for time geography," 103<sup>rd</sup> annual meeting of the Association of American Geographers, San Francisco, CA, April 17-21.
2007. Scott A. Bridwell and Harvey J. Miller (presented by first author) "Disclosure limitation methods for activity-travel data," 103<sup>rd</sup> annual meeting of the Association of American Geographers, San Francisco, CA, April 17-21.
2007. Adam Sobek and Harvey J. Miller (presented by first author) "Methods for comparing space-time paths," 103<sup>rd</sup> annual meeting of the Association of American Geographers, San Francisco, CA, April 17-21.
2007. Christopher Upchurch and Harvey J. Miller (presented by first author) "Optimum Facility Location and Scheduling Using Space-Time Prisms," 103<sup>rd</sup> annual meeting of the Association of American Geographers, San Francisco, CA, April 17-21.
2006. Phoebe B. McNeally and Harvey J. Miller (presented by first author), "Holistic geographic visualization of spatial data with applications in avalanche stability monitoring," 102<sup>nd</sup> annual meeting of the Association of American Geographers, Chicago, IL March 7-11.
2006. Scott A. Bridwell and Harvey J. Miller (presented by first author), "Representation and analysis of activities with varying discretion," 102<sup>nd</sup> annual meeting of the Association of American Geographers, Chicago, IL March 7-11.
2005. Adam D. Sobek and Harvey J. Miller (presented by first author), "A solution to exclusion: A web-based spatial decision support system for routing pedestrians of differing abilities in built environments," 101<sup>st</sup> annual meeting of the Association of American Geographers, Denver CO, April 5-9.

2005. Scott A. Bridwell and Harvey J. Miller (presented by first author), "Locational privacy metrics for mobile objects," 101<sup>st</sup> annual meeting of the Association of American Geographers, Denver CO, April 5-9.
2004. Harvey J. Miller, "Necessary space-time conditions for social interaction," 100<sup>th</sup> annual meeting of the Association of American Geographers, Philadelphia, PA, March 14-19.
2004. Harvey J. Miller, "A measurement theory for time geography," 43<sup>rd</sup> annual meeting of the Western Regional Science Association, Maui, Hawai'i, February 25-28.
2003. Harvey J. Miller, Yi-Hwa Wu and Ming-Chih Hung, "A GIS toolkit for assessing vulnerability transportation network disruption," 99<sup>th</sup> annual meeting of the Association of American Geographers, New Orleans, LA, March 5-8.
2002. Harvey J. Miller, "Accessibility and uncertainty: Space-time paths and prisms under perfect and imperfect information," GIScience 2002, Boulder, CO, September 25-29.
2002. Harvey J. Miller, "Accessibility and uncertainty: Space time paths and prisms under imperfect information," 98<sup>th</sup> annual meeting of the Association of American Geographers, Los Angeles, CA, March 19-23.
2001. Yi-Hwa Wu and Harvey J. Miller (presented by second author), "Computational tools for measuring space-time accessibility in networks with dynamic flow," 48<sup>th</sup> North American meetings of the Regional Science Association International, Charleston, SC, November 15-17.
2001. Thomas Cova and Harvey J. Miller, "A spatial framework for modeling hazards to transportation systems, 97<sup>th</sup> annual meeting of the Association of American Geographers, New York, New York, February 27 – March 3.
2000. Yi-Hwa Wu and Harvey J. Miller (presented by second author) "GIS tools for measuring space-time accessibility in networks with dynamic flow," GIScience 2000 International Conference, Savannah, Georgia, October 28 - 31.
2000. Harvey J. Miller and Yi-hwa Wu, "Assessing the impacts of transportation congestion using dynamic space-time accessibility measures, Institute for Management Science and Operations Research (INFORMS 2000), Salt Lake City, UT, May 7-10.
2000. Harvey J. Miller, "Extending geographic representation in spatial analysis," 96<sup>th</sup> annual meeting of the Association of American Geographers, Pittsburgh, Pennsylvania, 4-8 April.
2000. Harvey J. Miller, "Extending geographic representation in spatial analysis," 39<sup>th</sup> annual meeting of the Western Regional Science Association, Poipu, Kaua'i, February 26 – March 1.

1999. Harvey J. Miller, "Extending geographic representation in spatial analysis," 11<sup>th</sup> European Colloquium on Quantitative and Theoretical Geography, Durham Castle, England, September 3-7.
1999. Harvey J. Miller and Yi-Hwa Wu, "Measuring space-time accessibility in the presence of dynamic network congestion," 39<sup>th</sup> European Congress of the European Regional Science Association, Dublin, Ireland, August 23-27.
1999. Harvey J. Miller, Yi-Hwa Wu and Ming Hung, "GIS-based dynamic traffic congestion modeling to support time-critical logistics," 95<sup>th</sup> Annual Meeting of the Association of American Geographers, Honolulu, Hawai'i, March 23-27.
1999. Vickie Solomon and Harvey J. Miller, "Non-uniform spatial propagation in facility location techniques using GIS," 95<sup>th</sup> Annual Meeting of the Association of American Geographers, Honolulu, Hawai'i, March 23-27 (presented by first author).
1999. Harvey J. Miller, Yi-Hwa Wu and Ming Hung, "GIS-based dynamic traffic congestion modeling to support time-critical logistics," 32<sup>nd</sup> Annual Hawai'i International Conference on System Science (HICSS-32), Maui, Hawai'i, January 5-8.
1998. Harvey J. Miller, Yi-Hwa Wu and Ming Hung, "GIS-based dynamic traffic congestion modeling," 45<sup>th</sup> North American Meetings of the Regional Science Association International, Santa Fe, New Mexico, November 11-14.
1998. Harvey J. Miller, "Measuring space-time accessibility benefits within transportation networks: Basic theory and computational methods," 38<sup>th</sup> European Regional Science Association Congress, Vienna, Austria, August 28 - September 1.
1998. Harvey J. Miller and Yi-Hwa Wu, "Beyond throughput: Using GIS to model and map accessibility in transportation planning and analysis," GISPlaNNet '98, Lisbon, Portugal, September 9 - 12.
1998. Harvey J. Miller, Yi-Hwa Wu and Ming Hung, "GIS-based dynamic traffic congestion modeling," GIS-T '98, Snowbird, UT, April 20-24.
1998. Harvey J. Miller, "Measuring space-time accessibility benefits within transportation networks," 94<sup>th</sup> annual meeting of the Association of American Geographers, Boston, MA, March 25-29.
1998. Harvey J. Miller, "Measuring space-time accessibility benefits within transportation networks: Basic theory and computational procedures," 37<sup>th</sup> annual meeting of the Western Regional Science Association, Monterey, CA, February 28-22.

1997. Harvey J. Miller and Julian Ray, "GIS software for dynamic congestion analysis in time-critical logistics, GIS/LIS'97, Cincinnati, Ohio, October 28-30.
1997. Vickie Solomon and Harvey J. Miller, "Using GIS to locate emergency warning sirens in rugged terrain," GIS/LIS'97, Cincinnati, Ohio, October 28-30 (presented by first author).
1997. Atsuyuki Okabe and Harvey J. Miller, "Exact computational methods for calculating distances between objects in a cartographic database," 36th Annual Meeting of the Western Regional Science Association, Big Island of Hawai'i, February 23-27 (presented by second author).
1996. Harvey J. Miller, "Solving location and layout problems using GIS and simulated annealing," GIS/LIS'96, Denver Colorado, November 19-21.
1996. Harvey J. Miller, "Solving facility location problems using adaptive simulated annealing," 92nd Annual Meeting of the Association of American Geographers, Charlotte, North Carolina, April 9-13.
1996. Harvey J. Miller and John D. Storm, "GIS design for a simultaneous transportation equilibrium model," Geographic Information Systems for Transportation (GIS-T) '96, Kansas City, Missouri, March 31-April 4.
1996. Harvey J. Miller, "Solving complex facility location problems using adaptive simulated annealing," 35th Annual Meeting of the Western Regional Science Association, Napa, California, February 25-29.
1996. Harvey J. Miller and John D. Storm, "A GIS-based simultaneous transportation equilibrium model," 75th Annual Meeting of the Transportation Research Board, Washington, D.C., January 7-11.
1995. Harvey J. Miller, John D. Storm and Mace Bowen, "GIS design for multimodal network analysis," GIS/LIS'95, Nashville, Tennessee, November 14-16.
1995. George J. LaBonty and Harvey J. Miller, "Modeling the accessibility of public health facilities using GIS," GIS/LIS'95, Nashville, Tennessee, November 14-16 (presented by first author)
1995. Harvey J. Miller, John D. Storm and Mace Bowen, "GIS design for multimodal transportation network analysis," presented at the 1995 joint meeting of the Applied Geography Conference and the Mid-Atlantic Division of the Association of American Geographers, Washington, D.C., November 8-11th.
1995. Harvey J. Miller, John D. Storm and Brian L. Haslam, "A GIS-based simultaneous transportation equilibrium model," presented in a special session on "Transportation and GIS" sponsored by the Transportation Geography Specialty Group of the AAG (Jeffrey Osleeb, organizer) at the

91st Annual Meeting of the Association of American Geographers, Chicago, Illinois, March 14-18th.

1995. Harvey J. Miller, John D. Storm and Brian L. Haslam, "A GIS-based simultaneous transportation equilibrium model and its application in an urban-scale travel demand analysis," presented at the 34th Annual Meeting of the Western Regional Science Association, San Diego, California, February 22-26th.
1994. Mark V. Finco, George F. Hepner and Harvey J. Miller, "GIS modeling of contaminant pathways and human exposure in the Nogales region of the Mexico - U.S. border," presented at GIS/LIS '94, Phoenix, Arizona, October 25-27 (presented by first author).
1994. Harvey J. Miller, "Towards fuller geometric representation in facility location problems using GIS," presented in a special session on "Innovations in Spatial Analysis" co-sponsored by the Mathematical Modeling and Quantitative Methods and Geographic Information Systems Specialty Groups of the AAG (Morton O'Kelly, organizer) at the 90th Annual Meeting of the Association of American Geographers, San Francisco, California, March 29 - April 2.
1994. John H. Lowry and Harvey J. Miller, "GIS modeling of hazardous material vulnerability at the U.S.-Mexico border," presented at the 90th Annual Meeting of the Association of American Geographers, San Francisco, California, March 29 - April 2 (presented by first author).
1994. Harvey J. Miller and Mark V. Finco, "Spatial search and spatial competition: A probability analysis of basic results from the spatially-restricted theory," presented at the 33rd Annual Meeting of the Western Regional Science Association, Tucson, Arizona, February 23-27.
1993. Harvey J. Miller, "GIS and the geometry of facility location problems," presented at GIS/LIS '93, Minneapolis, Minnesota, November 2-4.
1993. Harvey J. Miller, "Market area delimitation within network structures using geographic information systems," presented in a special session on "Spatial Analysis and GIS: Theory," co-sponsored by the Mathematical Modeling and Quantitative Methods and Geographic Information Systems Specialty Groups of the AAG (Morton O'Kelly, organizer) at the 89th Annual Meeting of the Association of American Geographers, Atlanta, Georgia, April 6-10.
1993. George F. Hepner, Thomas Kontuly, Roger McCoy and Harvey J. Miller, "Geographic information systems development - U.S./Mexico border project," presented at the Southwest Center for Environmental Research and Policy Technical Conference, Chandler, Arizona, March 24-26 (presented by first author).
1993. Harvey J. Miller, "Probability-based models of spatial search," presented at the 32nd Annual Meeting of the Western Regional Science Association, Wailea, Maui, Hawaii, February 21-25.

1992. Harvey J. Miller, "Consumer spatial search behavior: A general modeling framework and operational models," presented in the J. Warren Nystrom Dissertation Award Competition at the 88th Annual Meeting of the Association of American Geographers, San Diego, California, April 18-22.
1992. Harvey J. Miller, "Dynamic programming and stochastic network approaches to modeling spatial search," presented at the 31st Annual Meeting of the Western Regional Science Association, February 23-27, South Lake Tahoe, Nevada.
1991. Harvey J. Miller, "Modeling accessibility using space-time prism concepts within GIS," presented in a special session on "Geographic Information Systems and Transportation," sponsored by the Geographic Information Systems and Transportation Specialty Groups of the AAG (Timothy L. Nyerges and Shih-Lung Shaw, co-organizers) at the 87th Annual Meeting of the Association of American Geographers, Miami, Florida, April 13-17.
1990. Harvey J. Miller, "Path selection in spatial search behavior," presented in a special session on "Models of Spatial Choice and Decision Making," sponsored by the Mathematical Models and Quantitative Methods Specialty Group of the AAG and the International Geographical Union Commission on Mathematical Models (Carl Amrhein, organizer), at the 86th Annual Meeting of the Association of American Geographers, Toronto, Ontario, April 19-22.
1990. Morton E. O'Kelly and Harvey J. Miller, "Routing problems in hub networks," presented at the 86th Annual Meeting of the Association of American Geographers, Toronto, Ontario, April 19-22 (presented by first author). 1989. Harvey J. Miller and Morton E. O'Kelly, "An investigation into the use and properties of the Alonso spatial interaction framework as a market area delimitation tool," presented at the 85th Annual Meeting of the Association of American Geographers, Baltimore, Maryland, March 19-22.
1989. Randall W. Jackson, Harvey J. Miller and Martin Hynes, "Regional accounts for the Columbus metropolitan area," presented at the 85th Annual Meeting of the Association of American Geographers, Baltimore, Maryland, March 19-22 (presented by first author).
1988. Harvey J. Miller, "An application of the Alonso spatial interaction framework to market area delimitation," Presented at the 11th Annual Applied Geography Conference, St. Paul, Minnesota.

### **Panels**

2007. "Honoring Atsuyuki Okabe: Applications, developments, and future research on spatial analysis and GIScience I," 103<sup>rd</sup> annual meeting of the Association of American Geographers, San Francisco, CA, April 17-21.
2006. "Transport geography: Identifying emerging research trends and new directions in the subdiscipline," 102<sup>nd</sup> annual meeting of the Association of American Geographers, Chicago, IL March 7-11.

2003. "On Tobler's first law," 99<sup>th</sup> annual meeting of the Association of American Geographers, New Orleans, LA, March 5-8.
2003. "Rethinking geospatial research," 82<sup>nd</sup> annual meeting of the Transportation Research Board, Washington, DC, January 11-16.
2002. "GIS in higher education," annual meeting of the Utah Geographic Information Council, Bryce Canyon, Utah, September 18-20.
2002. "Who am I? The changing GIS professional," annual meeting of the Utah Geographic Information Council, Bryce Canyon, Utah, September 18-20.
2002. "GIS for transportation education needs," 98<sup>th</sup> annual meeting of the Association of American Geographers, Los Angeles, CA, March 19-23.
2000. "GIScience Editors' Panel," GIScience 2000 International Conference, Savannah, Georgia, October 28 - 31.
2000. "Education in Geographic Information Systems for Transportation: Needs, Challenges and Solutions," 79<sup>th</sup> annual meeting of the Transportation Research Board, Washington, DC, January 9-13.
1998. "GIS and Spatial Analysis," University Consortium for Geographic Information Science (UCGIS) Annual Assembly, Park City, UT, June 24-27.
1997. "*The Geography of Transportation: Review and comment*," sponsored by the Transportation Geography Specialty Group, 93rd Annual Meeting of the Association of American Geographers, Ft. Worth, Texas, April 1-5.