PUBLICATIONS:

A. Refereed Archival Journal Publications


Mahmassani, H.S. and Sheffi, Y., "Queuing and Search Delays Due to Gasoline Station Closings," Transportation Research Record 764, 1980.


Taylor, D. and Mahmassani, H.S., Analysis of Stated Preferences for Intermodal Bicycle-Transit Interfaces," *Transportation Research Record* 1556, pp. 91-97, 1996.


B. Refereed Conference Proceedings


Chen, R. and Mahmassani, HS. “Learning and Risk Attitudes in Route Choice Dynamics”, 11th International Association of Travel Behavior Research (IATBR) Conference, Kyoto, Japan, August 2006.


C. Other Publications


D. Books, Chapters of Books; Editor of Books


Mahmassani, H.S., and Srinivasan, K.K., "Experiments with Route and Departure Time Choices of Commuters under real-time Information: Heuristics and Adjustment Processes," Chapter 4 in


Mahmassani, HS., "Learning from Interactive Experiments: Travel Behavior and Complex System Dynamics", (Refereed) Chapter 6 in Kitamura, Yoshii and Yamamoto (eds.) The Expanding Sphere of Travel Behavior Research, Emerald Group Pub., 2009.

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E. Reviews


F. Technical Reports


Murray, P. M., Mahmassani, H. S., Abdelghany, A.S. and Handy, S., "Defining Special Use Lanes: Case Studies and Guidelines", Research Report 0-1832-1, Center for Transportation Research, The University of Texas, Austin, TX, 2000.


Murray-Tuite, P; Mahmassani, H. Identification of Vulnerable Transportation Infrastructure and Household Decision Making under Emergency Evacuation Conditions. Technical Research Report SWUTC/05/167528-1, Center for Transportation Research, University of Texas at Austin, 2005.


ORAL PRESENTATIONS:


Mahmassani, H.S., "Evacuation Studies for Nuclear Power Plant Sites," seminar sponsored by the Department of Civil Engineering and the Division of Environmental Studies, University of CA, Davis, April 1981.


Mahmassani, H.S., "A Self-Organizing Model of Migration and Economic Development: Progress to Date," Purdue University's Institute of Interdisciplinary Engineering Studies, West Lafayette, IN, Nov. 1982.


Mahmassani, H.S., "Multicriteria Decision Making," guest presentation to group of highway professionals from state departments of transportation nationwide attending a special course on Pavement Design and Management at UT-Austin, under U.S. Federal Highway Administration, March 1983.


Mahmassani, H.S., "A Network Planning Model for Emergency Evacuation," Joint Meeting of the Texas Section of the Transportation Engineers and the Southwestern Section of the International Municipal Signal Association, Amarillo, TX, 1984.


Mahmassani, H.S., "Demand Estimation for Rural Public Transit in Texas" presented at the Area A Research Advisory Committee Meeting of the Texas State Department of Highways and Public Transportation (SHDPT), Austin, Texas, October 1985.

Mahmassani, H.S., "Use of Robotics in Highway Construction," invited paper at the Transportation Research Symposium Center for Transportation Research, University of Texas, Austin, TX, July 1985.


Mahmassani, H.S., "Guidelines and Suggestions for NSF Proposals," presented as invited panelist in session on "How to Prepare a Proposal for the Support of Transportation Research by the National


Mahmassani, H.S., "Transportation Network Equilibrium Assignment Problems: Recent Results and Current Research," Operations Research Seminar, Department of Mechanical Engineering, The University of Texas, Austin, TX, December 1987.


Mahmassani, H.S., "Fare Elasticity of Transit Patronage," Capital Metropolitan Transit Authority, Austin, Texas, June 1988.


Mahmassani, H.S., "Information and Telecommunications Approaches to Improve Transportation System Performance: Progress Report," *Annual Symposium, Southwest Region University Transportation Center*, College Station, TX, June, 1990.


Mahmassani, H.S., "Information and Telecommunications Approaches to Improve Transportation System Performance," presented at Southwestern University Transportation Center Region 6 Program Review, Austin, Texas, April 16, 1991.


Mahmassani, H.S., "Telecommuting," 11th Annual Center for Transportation Research Symposium, Balconies Research Center, Austin, TX, July 8, 1991.


Mahmassani, H.S., "Recent Developments in Dynamic Assignment for ADIS," *ATMS Advisory Committee Meeting*, Langley, VA, June 7, 1993.

Mahmassani, H.S., "Transportation Telecommunications Interactions," *Summer Symposium, the University of Texas, Austin*, TX, August 1993.


Mahmassani, H.S., "Intelligent Vehicle Transportation Systems at the University of Texas," *Second Annual Infrastructure Conference, Civil Engineering Infrastructure Research Center*, Mayaguez, Puerto Rico, April 21-23, 1993.

Mahmassani, H.S. and Dickerson, B.H., "The Undergraduate Summer Internship in Transportation: An Effective Graduate Student Recruiting Tool," *1993 American Association of Electrical Engineers (ASEE) Gulf-Southwest Section Annual Meeting*, Austin, TX, 1993.


Mahmassani, H.S., "Use of Congestion Pricing for Reducing Urban Congestion and as a Revenue Source," *Texas Department of Transportation Area I Meeting*, Odessa, TX, September 1993.


Mahmassani, H.S., "Opportunities for Minority Students Through the Advanced Institute for Transportation Infrastructure Engineering", *Management Boss’ 93 Conference*, Austin, TX, September 1993.


Mahmassani, H.S., "Telecommuting Down the Information Superhighway: Transportation Infrastructure Implications," III Annual Infrastructure Conference, Civil Infrastructure Research Center, The University of Puerto Rico, Mayaguez, Puerto Rico.


Mahmassani, H.S., "Dynamic Traffic Assignment," invited lecture at Purdue University, Lafayette, Indiana, April 5, 1999.


Mahmassani, H.S., “Drinking from a Fire Hose: Real-time Information and Transportation Decision Making,” invited to deliver the Mel Webber Lecture at University of California Transportation Center (UCTC), Seventh Annual UCTC Student Conference, University of California-Irvine, February 9-10, 2001.


Mahmassani, H.S., “Towards Hybrid Online Dynamic Traffic Assignment Procedures for Network Traffic Management,” invited lecture, The Hong Kong Polytechnic University, Department of Civil and Structural Engineering Seminar jointly organized with The Hong Kong Society for Transportation Studies, Hong Kong, August 17, 2001.


Mahmassani, H.S., Abdelghany, A., Abdelghany, K. "Micro-Assignment of Activity-Based Travel Demand in Intermodal Transportation Networks", INFORMS ATLANTA, October 2003.


Mahmassani, HS. “Real-Time Information, Learning and Decision-Making: Carrier Bidding Strategies in Sequential Auction Marketplaces for Freight Procurement”. Invited seminar, Center for Transportation and Logistics, MIT, April 22, 2005


Mahmassani, HS. "Integrating User Responses to Pricing in Dynamic Network Micro-Assignment Models", Invited speaker, IGERT Program on Computational Transportation Science, University of Illinois at Chicago, February 7, 2008.


Mahmassani, HS., “Improving Travel Reliability Through Predictive Traveler Information”, Invited Seminar, National Taiwan University, Taipei, Taiwan, R.O.C., December 3, 2008.

Mahmassani, HS., “Time In Motion: Towards Productive And Successful Scholarship Through Tenure and Beyond”, Invited Seminar, Department of Transportation Management, Cheng-Kung University, Taiwan, R.O.C., December 5, 2008.


Mahmassani, HS., “Green Logistics: Assessment of Freight Market Shifts Using a Dynamic Intermodal Network Analysis Methodology”, invited Seminar, Department of Management of Technology & Innovation, Rotterdam School of Management, Erasmus University, Rotterdam, NL February 22, 2010.


Mahmassani, HS., “Predictive strategies for online traffic system management: the missing intelligence”. Invited seminar, Institute of Transportation Studies, University of California, Irvine, May 28, 2010.


Mahmassani, HS., “Taming Volatility in the Route Market: The Case for Intelligence”, invited keynote presentation at the NSF Workshop on Dynamic Route Guidance and Coordinated Traffic Control, Rutgers, June 7, 2010.

