

CALL FOR PAPERS

Innovations in Travel Modeling 2006

A Transportation Research Board Conference

May 21 to 23, 2006 in Austin, Texas

Jointly sponsored by the Transportation Research Board, Federal Highway Administration, Federal Transit Administration, Capitol Metropolitan Transportation Authority, and the Central Texas Regional Mobility Authority.

This conference will explore the state of the art in travel demand forecasting techniques and the state-of-the-art in survey data collection techniques, emphasizing activity and tour-based models. The conference will focus on exchange of ideas between researchers and practitioners regarding recent advances in travel modeling, opportunities and challenges related to implementation, and directions for further research and development. Transportation professionals involved in the research, teaching, implementation, and use of travel models will find this conference timely and informative.

The conference will include three types of sessions: workshop tutorial sessions, traditional presentation-oriented sessions, and interactive sessions designed to facilitate discussion among conference participants. The workshop tutorial and traditional presentation-oriented sessions will be comprised of invited presentations, while the interactive sessions will be based on responses to this Call for Papers.

The organizing committee seeks high quality 3 to 5 page white papers addressing the themes of the interactive sessions, with a limit of two submissions per individual as the primary author.

Paper Themes

- Data needs to support activity-based and land use microsimulation models
- Innovations in survey data collection to support travel demand forecasting
- Population and Household Synthesis
- Validation and assessment of activity based travel models
- Implementation of activity-based models
- Emerging traffic microsimulation applications
- Innovations in traffic assignment and improvements of forecast speeds
- Institutional, monetary, staff, data, hardware and training resources needed to move innovative approaches to practice
- The role of models in decision making in contemporary decision making context.

The submissions should be submitted by January 17, 2006. Submissions should be made in electronic format to Kim Fisher at kfisher@nas.edu.

The conference will include sessions covering other themes with invited papers. The other themes will include a primer on activity-based travel modeling; lessons and experiences from tour-based models; FTA experience with probing model output; collection and use of geospatial data in innovative models; new developments in activity-based microsimulation models; innovative approaches to transportation and pricing analysis; integrated modeling—connecting land use, activity-travel demand, and traffic networks; the future of travel demand and the role of technology; demographic and societal dynamics; and noncommercial software development for activity-based travel modeling.

A conference prospectus is available at <http://www.trb-forecasting.org>. Additional information can be obtained from Kim Fisher at TRB at 202-334-2968 or kfisher@nas.edu. Hotel and conference registration information will be available in January 2006.