

Call for Papers
86TH TRB ANNUAL MEETING
JANUARY 21-25, 2007
WASHINGTON, DC

Title: *Integrating Demand and Supply Travel Models*

Subject Area: *Travel Analysis Methods*

The **TRB Transportation Demand Forecasting Committee (Emerging Methods Subcommittee), ADB40(1)**, the **Traveler Behavior and Values Committee (Route Choice and Spatial Behavior Subcommittee), ADB10(2)**, and the **Transportation Network Modeling Committee, ADB30**, jointly invite papers on “Integrating Demand and Supply Travel Models.”

In research and practice, there have been many advances on both the travel demand and supply side modeling, but there has been less attention to the integration of these advanced models. Current integration techniques (i.e. loose coupling of these models to transfer data from one to the other) do not take advantage of the added behavioral data available in each model; nor do they achieve consistency among parameters that are used in both demand and supply models.

We solicit papers dealing with closer integration of demand and supply travel models. Research exploring integration on any level is welcome, including but not limited to:

- Incorporating specific features of demand modeling into supply side modeling (e.g. path-building parameters in supply model) and vice versa (e.g. value of time parameters in demand model);
- Incorporating specific features of activity-based simulation modeling into advanced travel simulation models, such as dynamic traffic assignment, route choice or traffic microsimulation models, and vice versa; and
- Integrating demand and supply travel models to take advantage of behavioral details of each person and each vehicle developed in the demand model for use in refining the supply model (e.g., use of the value of time for each person to assign trips to toll roads in the traffic operation model).

Please indicate **ADB40B** on the Submission Review form to indicate that the paper is being submitted in response to this Call for Papers. Papers for the 2007 Annual Meeting must be submitted electronically **no later than August 1, 2006 (no exceptions)**. **Papers cannot be accepted after August 1, 2006 because of the time required for peer review and program development.** Updated paper submission information is posted on the TRB website <http://www.trb.org/meeting/>. In addition, **authors who have submitted papers in response to this call** are requested to send the paper number and abstract via email to either contact listed below by **August 3, 2006**.

This Call for Papers is part of a year-long series of events emphasizing the topic of integrating demand and supply travel models. Others events include multiple sessions at INFORMS (November, 2006), a Sunday workshop at TRB (January, 2007), and a paper session at WCTR (June, 2007). If you are working in this area and do not intend to submit a paper in response to this call, please let us know what you are doing (or have done) in this area by sending abstracts to the either contact listed below.

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