

*Call for Papers*  
**84TH TRB ANNUAL MEETING**  
**JANUARY 9-13, 2005**  
**WASHINGTON, DC**

**Performance Measures in Integrated Urban Models**

The **TRB Committee on Passenger Travel Demand Forecasting, ADB40, Committee on Transportation and Land Development, ADD30, and the Committee on Performance Measurement, ABC30**, invite papers on “Performance Measures in Integrated Urban Models”

A particularly important element of any model is the measures of system performance (benefits, costs, consumer surplus, equity measures, etc.) that it is capable of generating. An important advantage (in principle) of integrated models of transportation and land use is the extent to which they are capable of providing new ways of measuring and displaying impacts, and of computing new, useful performance measures, including user benefits, economic benefits, equity impacts, etc. Papers dealing with any aspect of performance measure calculation and use within integrated models (theoretical or methodological development, empirical case studies, use in planning studies, etc.) are invited for presentation and publication.

Please indicate **ADD30A** on the Submission Review form to indicate that the paper is being submitted in response to this *Call* for papers. Papers for the 2005 Annual Meeting must be submitted electronically **no later than August 1, 2004**. Updated paper submission information is posted on the TRB website <http://www4.trb.org/trb/annual.nsf>.

**In addition, authors who have submitted papers are requested to send the paper number and abstract to the session organizers (see below) by August 3, 2004.**

Further information about this call for papers may be obtained from:

Eric Miller  
Department of Civil Engineering  
University of Toronto  
35 St George Street  
Toronto, Ontario  
M5S-1A4, Canada  
Ph: (416) 978-4076  
Fax: (416) 978-5054  
Email: miller@civ.utoronto.ca

John (Doug) Hunt  
Department of Civil Engineering  
University of Calgary  
2500 University Drive NW  
Calgary, Alberta  
T2N-1N4, Canada  
Ph: (403) 220-8793  
Fax: (403) 282-7026  
Email: jdhunt@ucalgary.ca

*Call for Papers*  
**84<sup>TH</sup> TRB ANNUAL MEETING**  
**JANUARY 9-13, 2005**  
**WASHINGTON, DC**

**Non-Conventional Models and Estimation Techniques**

The **TRB Committee on Passenger Travel Demand Forecasting, ADB40**, invites papers on non-conventional models and estimation techniques for travel demand modeling. Non-conventional, in general terms, refers to methods that have not been applied in practice and/or have minimal exposure in the travel demand literature. This includes, but is in no way limited to:

- Less frequently used model specifications such as network GEV.
- Hybrid models that present new combinations of techniques.
- Investigation of methodological or empirical implications of issues inherent in more complex model forms, such as non-convexity and flat objective functions.
- Models emphasizing different decision protocols, such as non-utility maximizing or non-compensatory approaches.
- Models making use of non-conventional data such as (decision) process data.
- Use of explanatory variables not normally used, for example modeling of latent variables.
- Models that address technical issues such as endogeneity or initial conditions.
- Alternatives to mixed logit to represent heterogeneity or use of mixtures other than normal or log-normal.
- Estimation techniques that are not standard in travel demand modeling such as Bayesian, newer forms of quasi-random simulation draws, stochastic programming techniques, or generalized estimation techniques for panel data.

In all cases, it is important that the non-conventional method be compared against a more conventional approach used for travel demand.

Please indicate **ADB40A** on the Submission Review form to indicate that the paper is being submitted in response to this *Call for Papers*. Papers for the 2005 Annual Meeting must be submitted electronically **no later than August 1, 2004**. Updated paper submission information is posted on the TRB website <http://www4.trb.org/trb/annual.nsf>.

**In addition, authors who have submitted papers are requested to send the paper number and abstract to the session organizers (see below) by August 3, 2004.**

Further information about this call for papers may be obtained from:

Joan Walker  
Caliper Corporation  
1172 Beacon Street  
Newton, MA 02461  
617 527-4700 (voice)  
617 527-5113 (fax)  
joan@caliper.com

Karthik K. Srinivasan  
Vanderbilt University  
VU Station B, 351831  
Nashville, TN 37235  
615 332-4261 (voice)  
615 297-6201 (fax)  
karthik.k.srinivasan@vanderbilt.edu

*Call for Papers*  
**84<sup>TH</sup> TRB ANNUAL MEETING**  
**JANUARY 9-13, 2005**  
**WASHINGTON, DC**

**Intra-Household Interaction and Group Decision-Making**

The **TRB Committee on Passenger Travel Demand Forecasting, ADB40 and the Committee on Traveler Behavior and Values, ADB10** invite papers on “Intra-household interaction and group decision-making.”

Conventional travel demand models model individual trips that are generated at the household level, without regard to which household members is making the trip. The earliest activity based models considered tours that were generated at the individual level based on household characteristics but without direct consideration of whether other household members were co-participants in the activities or what other activities household members were participating in. It is only recently that models have considered joint participation in activities by household members. We are soliciting papers that examine ways in which this type of joint participation in activities can be considered in models, as well as how decisions about which household members participate in specific activities could be analyzed. We also solicit papers examining how the reliance of some household members on others for transportation affect the activity and transportation decisions of the household and how household maintenance activities are allocated among members.

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 2005 Annual Meeting must be submitted electronically **no later than August 1, 2004**. Updated paper submission information is posted on the TRB website <http://www4.trb.org/trb/annual.nsf>.

**In addition, authors who have submitted papers are requested to send the paper number and abstract to the session organizers (see below) by August 3, 2004.**

Further information about this call for papers may be obtained from:

Chandra Bhat, Chair, ADB40  
Department of Civil Engineering  
Ernest Cockrell Jr. Hall, 6.810  
The University of Texas at Austin,  
Austin, Texas 78712  
Ph: (512) 471-4535; Fax: (512) 475-8744  
Email: bhat@mail.utexas.edu

Ram Pendyala, Chair, ADB10  
Dept of Civil and Environmental  
Engineering  
University of South Florida  
4202 East Fowler Avenue  
Tampa, FL 33620-5350  
Ph: (813) 974-1084; Fax: (813) 974-2957  
Email: pendyala@eng.usf.edu

*Call for Papers*  
**84TH TRB ANNUAL MEETING**  
**JANUARY 9-13, 2005**  
**WASHINGTON, DC**

**Space & Time: Representation, Perception & Modeling**

The **TRB Committee on Passenger Travel Demand Forecasting, ADB40** and the **Committee on Transportation and Land Development, ADD30** invite papers on “Space & Time: Representation, Perception & Modeling”.

Space and time are obviously both fundamental dimensions within all models of transportation and land use. Despite advances in geographic information systems, dynamic microsimulation models, and our theoretical and empirical capabilities for modeling travel behavior and land use evolution, a number of theoretical and practical issues exist with respect to: how we represent both space and time in our models; the extent of our understanding of people’s perceptions of space and time; how we deal with short- and long-run decision processes within a consistent, integrated framework; and the repercussions of these and similar issues for integrated models. We are soliciting papers for presentation and publication that deal with some aspect of the representation and/or perception of space or time, and/or the modeling of spatial-temporal processes. Papers may be theoretical, methodological or empirical in nature. Findings from other disciplines such as psychology, sociology, geography, etc. are important to further developments in our transportation – land use models, and papers rooted in such disciplines are encouraged.

Please indicate **ADD30B** on the Submission Review form to indicate that the paper is being submitted in response to this *Call* for papers. Papers for the 2005 Annual Meeting must be submitted electronically **no later than August 1, 2004**. Updated paper submission information is posted on the TRB website <http://www4.trb.org/trb/annual.nsf>.

**In addition, authors who have submitted papers are requested to send the paper number and abstract to the session organizers (see below) by August 3, 2004.**

Further information about this call for papers may be obtained from:

Eric Miller  
Department of Civil Engineering  
University of Toronto  
35 St George Street  
Toronto, Ontario  
M5S-1A4, Canada  
Ph: (416) 978-4076  
Fax: (416) 978-5054  
Email: miller@civ.utoronto.ca

John (Doug) Hunt  
Department of Civil Engineering  
University of Calgary  
2500 University Drive NW  
Calgary, Alberta  
T2N-1N4, Canada  
Ph: (403) 220-8793  
Fax: (403) 282-7026  
Email: jdhunt@ucalgary.ca