

**TRB Committee ADB40 on Transportation Demand Forecasting**  
Annual Business Meeting  
January 14, 2008 – 7:30 p.m.  
Hilton, Caucus Room  
Minutes

**1. Introductions**

Tom called the meeting to order and made two announcements:

1. No presentations
2. Research committee meeting at 7 am tomorrow is cancelled.

Introductions & Sign In

Distribution of Agendas

**2. Staff Report**

Staff report will be provided later in the evening by Kim Fisher.

**3. State of the Committee**

New chair is Tom Rossi. The 6 year term alternates between an academic and practitioner

The state with the highest representation was Texas, but is now Massachusetts. Currently have 4 members from MA, 4 international members, 200 friends. Committee does have some documents for scope, research agenda, 2006 tri-annual self evaluation.

**4. Committee Membership**

Introduce newest member: Ysasvi Popuri, Cambridge Systematics (young member). The Emeritus members previously reviewed candidates, and two were close, so they added the second when an opening arose.

Expectations for committee members:

- Attend annual meeting
- Serve on subcommittees as called on and meet subcommittee requirements
- If appointed as a liaison, attend those meetings and report back.
- Review 5-7 papers in about 5 weeks in August-September
- Be proactive in contributing to committee scope, events, and interest.

Committee rotation – 2009

TRB Requirements:

- 1/3 of committee members rotated every three years
- Those who have been members for 9 years must be rotated

Maintain membership diversity in terms of geography, organization, professional category, etc.

## **2008 TRB Review Process**

Calls for Papers

- Transport in Geographic and Social Space
- Statewide Travel Demand Models
- Integrated Urban Models—Applications and Components

Paper Reviews—total of 72

- 12 papers submitted for presentation only
- 57 for presentation and publication
- 3 for publication only
- 44 accepted for presentation (64%)
- 19 being considered for publication

Statewide Subcommittee—7 submittals

- 5 accepted
- 2 considered for publication

Integrated Models

- 14 submitted
- 11 accepted

2008 Workshops

- Integrated Urban Models
- Practical & Institutional Issues
- Doctoral Research

2008 Sessions

- 5 so far with good attendance so far
- 4 more upcoming

## **Announcements**

2:30 Wed Afternoon is Task Force for Moving AB Models into Practice. – Panel discussion about bridging gap between research and practice

## **Subcommittee Reports**

### *Emerging Methods – Laurie Garrow and Joan Walker*

Initiatives from 2007 had two main thrusts. The first was social networks, and the subcommittee would like to thank contributors to that topic. The second was a workshop last year that looked at integrating supply and demand. The result of that workshop was a special session at WCTR. The business meeting will be 7 am Wednesday morning, and the subcommittee will come up with more calls for papers.

One idea for a call is: We have a lot of data that we didn't have before. Much of this is related to internet searches for flights. How can we leverage this data to explore new problems? There may be other technologies in passenger or freight. What can we do here?

### *Integrated Transportation and Land Use (joint with ADD30) Eric Miller and Doug Hunt*

The subcommittee is doing well in terms of interest. Workshop on Sunday afternoon had about 80 people, which was not quite as large as hoped. The problem we had was too many familiar faces in the audience, whereas what we wanted was to reach out to MPOs. The committee has grown strongly in recent years. The question for tomorrow is where to go from here.

### *Statewide Travel Demand Forecasting (joint with ADA10) – Greg Giaimo*

Discussion of a national model to avoid re-creating the wheel. An entire track of statewide modeling at a SAFETEA-LU conference is coming up, and there is a session coming up on statewide models. The subcommittee is trying to find a home for the website, which we've had for years, but haven't done much with. We did a proposal for an 836 project on Better Information for Non-Freight Commercial Movements, which was rejected because too big. This topic could be considered for a full NCHRP project. Oregon and Iowa will give updates on their statewide models.

For the following subcommittees, we plan to have one attend each of above meetings.

### *Research Agenda Development Subcommittee – Jessica Guo w/ Yasasvi Popuri, Ed Weiner*

We plan to work with subcommittee chairs to work on research needs statements, and encourage folks to check out statements from our committee. We will be contacting the technical subcommittee chairs to solicit information on research needs. Other members can email the subcommittee chair with ideas. We are considering setting up interface on website.

*Website Development Subcommittee – Joe Castiglione, with Billy Charlton, one vacancy*

Subcommittee has one vacancy, so we're looking for volunteers. For those who have visited, the content has been updated, but not too many other changes. So far been static one-way street. In the future, we will have a comprehensive overhaul to make it a tool for community building. New technical tools are needed to do things like solicit input, host info for conferences, etc. We will be sending out solicitation for desires of committee members and friends in website.

*Activities Coordination Subcommittee – Rick Donnelly, with Erik Sabina and Bruce Spear*

We've decided to suspend this committee for now. In the past, they worked hard to put on Austin conference, but this year a different committee is doing Portland. Also, workshops have been absorbed by other folks.

Portland conference will be at PSU in June, with five topics:

1. AB models
2. Policy and Pricing
3. Supply & Demand
4. Communicating
5. Freight
6. Climate change & modeling

A 1 page flyer was distributed, with additional information at [www.trb-forecasting.org](http://www.trb-forecasting.org)

*Data Information Subcommittee – David Levinson w/ Mark Bradley & Stacy Bricka*

The survey archive is up and running, but on sabbatical from funding. A big project is looking for past surveys to add to database.

Also, there is a travel survey methods committee, which has a new subcommittee on stated preference methods. Talk to Mark if interested in joining.

### **Partnership with Transportation (Journal) – Martin Richards**

We'd like to hear from Tom & Ram about what they want to publish in a special issue. The special issue in September of each year, and it has been a positive about partnership so far.

## **Proposed 2009 TRB Activities**

Tom will be updating liaisons with new membership.

Ed Weiner is currently liaison to climate change & energy task force, which is meeting on Monday morning. It is designed to rationalize & bring together activities related to climate change, and to build a vision focused on climate change. Want to know what issues from this committee should be brought back to that task force. Please send Ed any thoughts you have in there. The rest of the task force is heavily focused on technology & fuel. Issue of travel behavior and land use was hardly mentioned, so they could use the input.

*The question was posed: What sorts of workshops are desired for next year?*

Tom—It would be good generally to have less competition among our workshops so we can get bigger audience. We shouldn't have workshops just because we can. If we do it, it should be particularly relevant or topical.

Keith Lawton – proponent of some more on greenhouse gasses. Looking at what we can do with vehicles, we don't even get close, so we do need to deal with land use.

Tom – it affects a lot of areas, so maybe we can have some themed sessions or workshops at next years TRB. Not necessarily everything, but maybe enough to put together a theme.

Keith – need to think about what we need to do to models to address those questions.

Ed Weiner – tomorrow the NCHRP committee will report on the state of practice. We don't like 4 step models and are not convinced about TRANSIMS. So that leaves the question of what direction to go. Meeting is Wed night at 7:30.

Erik Sabina – So far, we have done a number of broad & shallow presentations surveying the breadth of the practice in AB models. We may want to go narrower and deeper on some of these. It would be useful to figure out a way to selectively go deep on certain aspects of this.

Tom – We have had some AB workshop last three years, so don't necessarily need to know the same topics every year.

Mark Bradley – Are you thinking about a tutorial?

Erik – It could be more useful to identify 2-3 agencies, and ask in detail: what did they do?

Billy Charlton – In the June Portland conference, we will have some specific tutorials on specific ways to do AB modeling.

Bruce Spear – The problem w/ workshops is that they seem nothing more than elongated paper sessions. The topics that Keith and Ed talked about are a good change of pace and good for workshops. I would encourage the committee to be very selective about how to define a workshop. Focus on things that would bring in other people or other parts of TRB, rather than same people.

Chandra Bhat – Two topics come to mind: 1) We had some calls for papers on interaction among individuals several years back. However, we will need to get a grip on children's patterns, and the interactions between children and adults. Much of focus on children's patterns is mode choice to work. How do children impact the patterns of adults?

Peter Vovsha – Most of existing interaction models are between HH heads, so it would be good to look at entire household.

Chandra – 2) Also we might consider tourism related travel. There is some work in leisure literature, but we could cross-fertilize.

Peter – Reliability would be a good topic. We could focus on the measurement, impact, and inclusion of reliability.

David L – The International Symposium on Travel Reliability will be in Minn. in 2010.

Mark B. – We could find out what committee has most involvement in safe routes to school programs and communicate with them.

### **TRB Staff Report – Kim Fisher**

This year, there were two new features to annual meeting:

1. Housing board. We are trying to protect rooms for regular participants. It was a little rocky in beginning, but will do it again next year. If there were any particular issues, please let Kim know sooner rather than later.
2. Commercial exhibits at Marriot. This includes 11 planning exhibits and 10 data exhibits.

Last year we talked about TRB's financial troubles. Over last year, we have taken a number of cost cutting measures. We've cut expenses, are raising funds w/ commercial exhibits, put TRR online and sold subscriptions. The good news is that we're in good shape for now. However, we have no idea what will happen with the next reauthorization. The implication is that we will be conservative about hiring staff.

Research needs statements—we have database. Our committee is done.

Next year's theme is "Transportation, Energy and Climate Change".

My job is to help you navigate TRB.

Kim provided a certificate for outstanding service to Jessica Guo.

Tom expressed gratitude to Kim for guiding him through his first year as committee chair.

Chuck Purvis announced that Jessica Guo, Rachel Copperman, and Chandra Bhat won the Pike Johnson Award for their paper "Effects of the Built Environment on ...". The Pike Johnson award recognizes the outstanding paper in transportation systems, and this is the only time in memory that the award has gone to a paper from the travel demand modeling committee.

### **Upcoming Conferences & Announcements**

Innovations in Travel Modeling Conference—Portland, OR, June 2008 (John Gliebe)

Symposium on Integrated Land Use & Transport Models—Portland, OR, June 2008 (John Gliebe)

Statewide Planning/Modeling—Atlanta (Greg Giaimo)

International Conference on Travel Survey Methods (ICTSC)—May, Anice, France

### **New Journals**

Journal for Transport & Land Use just launched and will issue its first issue in late spring. [jtlu.org](http://jtlu.org). (David Levinson)

Transportation Letters: The International Journal of Transportation Research. Will focus on the state of the art. (Kostas Goulias)

### **Research in Progress and Other Announcements**

Tom – We're working on NCHRP Report discussing the transferability of parameters

Laurie Garrow thanked those involved for establishing the Gordon W. Schultz Fellowship. The first scholar was Dan Iliosku. The entire Georgia Tech community is touched.

Laurie also announced two senior faculty positions available at Georgia Tech. One is the planning department chair, and the second is the first endowed chair in transportation.

Tom adjourned the meeting promptly at 9 pm.

## **Attendance Roster**

### ***Members***

Shlomo Bekhor	Technion – Israel Institute of Technology
Chandra Bhat	University of Texas, Austin
John Bowman	Bowman Research and Consulting
Mark Bradley	Mark Bradley Research and Consulting
Joe Castiglione	
Billy Charlton	San Francisco County Transportation Authority
Rick Donnelly	PB
Greg Erhardt	PB
Laurie Garrow	Georgia Tech
Greg Giaimo	Ohio DOT
Jessica Guo	University of Wisconsin, Madison
Keith Killough	Southern California Association of Governments
Keith Lawton	Keith Lawton Consulting, Inc.
David Levinson	Associate Professor
Eric Miller	University of Toronto
Ram Pendyala	ASU Civil Engineering
Yasasvi Popuri	Cambridge Systematics
Venky Shankar	Penn State University
Bruce Spear	Cambridge Systematics
Peter Stopher	Institute of Transport & Logistics Studies
Erik Sabina	Denver Regional Council of Governments
Peter Vovsha	PB
Ed Weiner	US Department of Transportation
Thomas Rossi	Cambridge Systematics

### ***Friends***

Amandeep Randhawa	The Corradino Group
Ken Kaltenbach	The Corradino Group
Juyin Chen	VDOT Transportation & Mobility Planning Division
Mike Neidhart	Volusia County MPO
Aruna Sirakumar	Rand Europ/Imperial College, UK
Siva Srinivasan	University of Florida
Jeff LaMondia	University of Texas, Austin

Rachel Copperman	University of Texas, Austin
Erika Spisso	University of Cagliari, Italy
Kouros Mohammadian	University of Illinois at Chicago
Moshe Ben-Akiva	MIT
K.W. Axhausen	ETH Zurich
John Gliebe	Portland State University
Joel Freedman	PB
Richard Walker	Metro
Arun Kuppam	Cambridge Systematics
John Miller	Virginia Transportation Research Council
Ahmad Kouhpa	University of Nevada
Li Jin	Purdue University
Mary Martchark	Purdue University
Yuiak O. Susito	University of the West of England
Peter Serrano	FHWA – Alaska
Peter Davidson	Peter Davidson Consultancy
Cheng-I Tsai	OKI
Youssef Dehghani	PB
Chris Frazier	PB
Jeffrey Newman	Northwestern University
Antti Talvitie	Helsinki University of Technology, Finland
Italo Meloni	University of Cagliari-Italy
Leta Huntsinger	PB
Abdul Pinjani	UT Austin
Naveen Eluru	UT Austin
Christopher M. Puchalsky	DVRPC
Jeremy Raw	VDOT
Matt Meservy	Nashville Area MPO
Elizabeth Sall	Cambridge Systematics
Mark Charnews	Puget Sound Regional Council
N. Janarthanan	Mirai Associates
Pharath S. Rajapalan	University of Texas at Austin
Nazneed Perdous	University of Texas at Austin
Lakshrini Vann	UT Austin
Ramakrishna Yennamani	University of Florida
David Kurth	Cambridge Systematics
Tom Walker	Delaware Valley Regional Planning Commission
Nazrul Islam	Federal Transit Administration
Yuanjin Li	M-NCPPC, Montgomery County
Avinasu Menon	Kittelson & Associates
Chaushie Chu	Los Angeles MTA
Rena Al Jammel	Senior Planner Specialist
Rob Schiffer	Cambridge Systematics
Feng Liu	Michael Baker Corporation
Pat Mokhtarian	UC Davis, CEE

Ricardo Avarez-Daziano	University Laval
Cinzia Cirillo	University of Maryland
Bhuiyan Alam	University of Toledo, OH
Scott Thompson-Graver	Whitman, Requardt, & Associates
Rob Bostrom	Wilbur Smith Associates
Qi Gong	University of Wisconsin-Madison
Howard Slavin	Caliper Corporation
Ipec Nese Sener	UT Austin
Zhong-Ren Peng	University of Florida
Bruno Santos	University of Coimbra, Portugal
John C. Green	UNLV
Surabhi Gupta	PB
Laura McWethy	Cambridge Systematics
Tim Spurr	Ecole Polytechnique Montreal
Pooya Rafiee	Ecole Polytechnique Montreal
Kostas Goulias	UCSB
Josh Auld	UIC