

PRIVILEGED INFORMATION - Minutes of all TRB Meetings are regarded as privileged and not for public release without prior approval of the Executive Director

Minutes of Subcommittee Meeting

Subcommittee on

Emerging Methods and Developments in Urban Activity And Travel Analysis A1C02(1)

January 10, 2000, 2 pm

79th Annual Meeting of the Transportation Research Board
Hilton Washington Hotel and Towers, Farragut Room
Washington, D.C.

1. Copies of the meeting agenda were distributed to the attendees. A copy of the agenda is attached.
2. Introductions: All of the attendees introduced themselves. A total of 41 individuals were in attendance with 20 from academia, 12 from consulting agencies, and 9 from local, regional, state, and federal transportation agencies.
3. 2000 TRB Meeting Activities: The Chair, Chandra Bhat, reported that two calls for papers were sent to TRB in May 1999 for the 2000 TRB Meeting: one on "Application of Microsimulation Techniques in Activity-Travel Pattern Analysis" and the other on "Modeling Time-Space Interactions in Individual Activity-Travel Patterns". Two sessions were organized at the 2000 TRB Meeting jointly with the A1C04 Committee based on the responses received. These sessions were: "Activity Planning and Microsimulation Applications" (Session 469) and "Modeling Time-Space Interactions in Activity-Travel Patterns" (Session 489).
4. A1C02 Committee Millenium Paper: The Chair indicated that the sub-committee contributed to the preparation of the Millenium paper for the A1C02 Committee. This paper clarifies the focus of, and identifies future directions for, the Committee and the Sub-committee. It also emphasizes the need to be more proactive in developing joint calls for papers, developing joint sessions that have a strong model-focus component, and proposing research areas with the following committees: Travel Behavior and Values, A1C04; Transportation Network Modeling, A1C05; Transportation Planning Applications, A1C07; Telecommunications and Travel Behavior, A1C08; Statewide Multimodal Transportation Planning, A1D01; Transportation and Land Development, A1D02; Urban Transportation Data and Information Systems (A1D08); and Travel Survey Methods (A1D10). Strategies and actions for such collaboration are discussed in the paper.
5. Research Roundtable and Discussions: Two formal presentations were made at the meeting, which are briefly described below.

Bill Davidson of Parsons Brinckerhoff provided an overview of ongoing efforts to develop integrated land-use and transport models for the Oregon Department of Transportation (ODOT). ODOT is entering the fifth year of its Travel and Land Use Model Integration Program (TLUMIP). The second generation TLUMIP models will draw pieces of software code from the URBANSIM model, but the platform to be used will be an entirely new one.

Maren Outwater of Cambridge Systematics discussed efforts to develop tour-based models for the city and county of San Francisco. This work, being conducted in collaboration with Parsons Brinckerhoff and Mark Bradley, includes a model system which comprises 8 logit-based components. The work will include a transit survey to examine issues associated with reliability and crowding on the transit system, and its impact on transit use. Joint revealed preference and stated preference models are planned and microsimulation techniques will be used for travel forecasting. Data for the analysis are being obtained from the Metropolitan Transportation Commission (MTC) in Oakland.

Following the two formal presentations, there was discussion of several other research issues, including the use of GIS-based platforms for data management/assembly and visual display/communication of results. GIS platforms are still not being used extensively for actually conducting travel analysis. During the discussion, the issue of the effect of the number of zones in a study area and the demarcation of zones on travel model results was raised. Finally, the need for more emphasis on Integrated Transportation and Land-Use Modeling was identified. Eric Miller agreed to discuss this issue with the Transportation and Land Development (A1D02) Committee as well as the parent A1C02 Committee to identify a course of action.

6. 2001 TRB Plans: Several ideas for the 2001 TRB were discussed. There was general agreement that a Sunday workshop on activity-based methods should be held. This workshop would focus on disseminating information on activity methods to practitioners. In addition, several ideas for calls for papers emerged, including a) Spatial analysis issues in travel modeling such as how many traffic analysis zones should be identified in a region and guidelines for the optimal design for the zone structure, b) Estimating uncertainty in travel forecasts, and c) Inter-individual and inter-agent interactions in activity-travel decision making. An additional topic brought up in the A1C02 committee meeting that will be folded within the calls for papers of this sub-committee is the development of practical activity-based models. The sub-committee will work toward preparing the calls and distributing them in April. The sub-committee will collaborate with other TRB committees as appropriate in developing the calls.
7. Conference Reports/News: Two conferences of interest to the group were identified. Both these conferences will be held in July 2000. These are a) The Second Oregon Symposium on Integrated Land Use-Transport Models, which will be held in Portland Oregon between July 18-20 (see <http://www.odot.state.or.us/tdb/planning/modeling/index.html>) and b) The International Association of Travel Behavior Research (IATBR) Conference in Gold Coast, Queensland, Australia between July 2-6, 2000 (see <http://www.its.usyd.edu.au>).
8. There were no other discussions and the meeting was adjourned at about 3:45 pm.

Minutes prepared by: Chandra Bhat, Chair, A1C02(1)

A1C02(1) Business Meeting
January 10, 2000
79th TRB Annual Meeting, Washington, D.C.

LIST OF ATTENDEES

NAME	PHONE	FAX	AFFILIATION AND ADDRESS	E-MAIL
Chang-Jen Lan	305-284-6447	305-284-3492	Assistant Professor Univ. of Miami Dept. of Civil Engineering Coral Gables, FL 33146	clan@miami.edu
Kay Axhausen	+41-1-633-7947	+41-1-633-6057	IVT ETH CH-8093 Zurich	axhausen@ivt.baug.ethz.ch
Ram Pendyala	813-974-1084	813-974-2957	Civil Engineering, ENB118 Univ. of South Florida Tampa, FL 33620	pendyala@eng.usf.edu
Emily Parkany	413-577-3184	413-545-2840	Univ. of Massachusetts Dept. of Civil & Envir Eng Box 35205 Amherst, MA 01003-5205	parkany@ecs.umass.edu
Krishnan Kasturirangan	813-974-8727	813-974-2957	Civil & Envir. Engineering Univ. of South Florida Tampa, FL 33620	kasturir@eng.usf.edu
Seshasai Kanchi	612-627-9552 (r) 612-625-1571 (o)		Civil & Envir. Engineering Univ. of Minnesota Minneapolis, MN 55455	kanc0003@tc.umn.edu
Patrick Costinett	425-820-9271	425-820-9358	Parsons Brinckerhoff 8011 NE 121 st St. Kirkland, WA 98034	pcostinett@pbtfc
Robert H. Friis	720-350-9964	303-357-7100	Summit Systems Design, LTD 1625 17 th St. Denver, CO 80202	rfriis@sumsysdsn.com
John M. Britting	847-328-7023 (h) 847-491-7612 (w)		Civil & Environ. Engineering Northwestern University	j-britting@nwu.edu
John Gliebe	847-864-5659 (h) 847-491-7612 (w)		Civil Engineering Northwestern University	j-gliebe@nwu.edu
Norm Marshall	802-295-4999	802-295-1006	Resource Systems Group, Inc. 331 Olcott Dr. White River Jct, VT 05001	nmarshall@rsginc.com
Thomas Rossi	617-354-0167	617-359-1542	Cambridge Systematics, Inc. 150 Cambridge Park Dr. Suite 400 Cambridge, MA 02140	tfr@camsys.com

TRB Committee on Passenger Travel Demand Forecasting (A1C02)

John L. Bowman	617-232-3478		5 Beals St. Apt. 3 Brookline, MA 02446	John_L_Bowman@alum. mit.edu
Ken Vaughn	510-464-7853		MTC 101 Eighth St. Oakland, CA	kvaughn@mtc.ca.gov
Maren Outwater	425-837-1450	425-837-1449	Cambridge Systematics 3239 198 th Place SE Issaquah, WA 98029	mlo@camsys.com
Mark Bradley	415-456-6531	415-456-6921	93 Scenic Rd Fairfax, CA 94930	mab@mbradley.net
Keith Lawton			Metro Transp. Dept. 600 NE Grand Ave. Portland, OR 97232	lawtonk@ix.netcom.com
Bill Davidson	415-243-4601	415-243-9501	Parsons Brinckerhoff 303 Second St. Ste 700N San Francisco, CA 94107	Davidson@pbworld.com
Peter Stopher	225-388-8898	225-388-8652	Louisiana State Univ. Dept. of Civil & Envir. Eng. Baton Rouge, LA 70803-6405	stopher@attglobal.net
John Abraham	403-230-5897	403-830-6450	Univ. of Calgary 2500 University Dr. NW Calgary, AB Canada	jabraham@ucalgary.ca
Kevan Shafizadeh	206-685-6779	206-543-1543	Univ. of Washington Box 352700 Seattle, WA 98195	kevan@u.washington.edu
Gordon R. Garry	916-457-2264	916-457-3299	Sacramento Area COG 3000 "S" St. Suite 300 Sacramento, CA 95816	ggarry@sacog.org
Erik Verroen	+31-15-2696864	+31-15-2696050	TNO Intro PO Box 6041; 2600 A]; Delft The Netherlands	eve@intro.tno.nl
David Kurth	303-863-7900	303-863-7110	Parsons Trans. Group 1700 Broadway, Suite 600 Denver, CO 80290	david.kurth@parsons.com
Joseph Huegy			Triangle Transit Authority PO Box 13787 Durham, NC 27709	jhuegy@ridetta.org
Mark Moran	202-962-3392		Metropolitan Wash. COG 777 N. Capitol St. NE Suite 300 Washington D.C. 20002	mmoran@mwcog.org

TRB Committee on Passenger Travel Demand Forecasting (A1C02)

Ed Weiner	202-366-5403	202-366-3393	U.S. Dept. of Transportation 400 7 th St. SW Washington D.C. 20590	ed.weiner@ost.dot.gov
James Marca			Univ. of California Irvine	jmarca@translab.its.uci.edu
Cheng-I Tsani	513-621-6300	513-621-9325	OKI Regional Council of Govt 801 B West 8 th St. Cincinnati, OH 45203	CTSAI@OKI.ORG
Kostas Goulias	814-863-7926	814-865-3039	PTI-CEE-Penn State Univ. 801 TB, UP, 16802	KXG2@psu.edu
Martin Lee-Gosselin	+1-418-656-2578	+1-418-656-2018	Grimes - Universite Laval Crad – 1624 Par FA Savard Quebec, Canada G1K 7P4	Martin.lee-gosselin@CRAD.ulaval.ca
Tom Golob	949-824-6287	949-824-8385	Institute of Trans. Studies Univ. of California Irvine, CA 92687-3600	tgolob@uci.edu
Doohee Nam	206-440-4721	206-440-4806	WSDOT 15700 Dayton Ave. N. ms-210 Seattle, WA 98133	doohee@u.washington.edu
Mark Schlappi	602-452-5021		Maricopa Assn of Gov. 302 N. 1 st Ave. Ste 300 Phoenix, AZ 85003	schlappi@mag.maricopa.gov
M. William Sermons	301-405-2046		U. of Maryland College Park Dept. of Civil Engineering 1179 Glenn Martin Hall College Park, MD 20742	sermons@eng.umd.edu
Eric Miller	416-978-4076		Dept of Civil Engineering Univ. of Toronto 35 St. George Street Toronto, Ontario, Canada M5S1A5	miller@civ.utoronto.ca
Christopher V. Forinash	703-908-0796		2237 N. Wakefield St. Arlington, VA 22207	christopher.forinash@alumni.duke.edu
Jennifer Steed	512-231-9485		7205 Hart Ln. #1004 Austin, TX 78731	jlsteed@mail.utexas.edu
Cemal Ayuahh	312-567-3896		IIT Dept. of Civil Engineering 3201 S. Dearborn Alumni Hall Chicago, IL 60616	ayuacem@charlie.cns.iit.edu
Chandra Bhat	512-471-4535	512-475-8744	Dept of Civil Engineering ECJ 6.810 University of Texas at Austin Austin, TX 78712	bhat@mail.utexas.edu
Lalit	212-454-7254	212-954-2701	KPMG	

--	--	--	--	--

AGENDA

2000 TRB Annual Meeting

Emerging Methods and Developments in Urban Activity and Travel Analysis, Sub-Committee of Passenger Travel Demand Forecasting Committee

January 10th, Monday, 2 pm at the Hilton, Farragut Room

1. Introductions
2. 2000 TRB Meeting Activities (Calls for Papers, Sessions)
3. A1C02 Committee "Millenium" Paper: Discussion and Role of Sub-Committee
4. Presentations (Oregon transportation-land use modeling work, Bay area tour based models)
5. Discussion of Emerging Research/Implementation Topics (Open Discussion; Below is a Sample Listing)
 - ! Spatial Data Management and Analysis
 - ! Micro-Simulation Based Forecasting Platforms
 - ! Continuous-Time Modeling Systems
 - ! Recent Developments in MPO Practice
 - ! Other
6. 2001 Plans (Based on Above Discussion)
 - ! Collaboration with Other TRB Committees/Sub-Committees
 - ! Summer Workshops/Sessions?
 - ! Workshops/Calls for Papers for TRB 2001
7. Conference Reports/News
8. Other business
9. Adjournment