CONFERENCE PLANNING TEAM

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The National Household Travel Survey (NHTS) Data Users Conference will provide a forum for users of this national dataset to discuss and learn about methodological issues, analysis and estimation applications, and findings related to transportation policy, planning, and modeling. The conference is being held approximately one year after the release of the final 2001 data, and coincides with the planning of the future U. S. Department of Transportation household travel behavior surveys. Bringing together a diverse set of data users will develop a community of users who better understand the utility and analytic capability of the data and who then will be able to provide feedback to inform the design of future national travel behavior surveys.

This conference provides a unique opportunity for transportation professionals at the federal, state, and local levels, as well as for academics and other transportation researchers to

- Discuss results of NHTS-based investigations of critical areas for transportation policy;
- Learn innovative applications of the data to understand and estimate travel behavior;
- Provide input on the design of future national household travel surveys;
- Identify emerging trends and data needs that should be reflected in future survey efforts;
- Discover data sources that complement the NHTS data in providing a more complete picture of travel behavior in the United States.

We are pleased that you can join us for this important event.

**Johanna Zmud**  
Committee Chair  
NuStat Partners, LP
SESSIONS, EVENTS, AND WORKSHOPS

SUNDAY, OCTOBER 31

NHTS USERS ORIENTATION:
OVERVIEW AND REFRESHER FOR NEW AND EXISTING USERS: 4 p.m. – 6 p.m. (optional)
Marriott Wardman Park Hotel, Embassy Room, 2660 Woodley Road, NW, Washington, DC

This two-hour orientation for new or ongoing users of the National Household Travel Survey is open at no charge to all conference registrants. Participants will have the opportunity to gain background knowledge about the survey and learn how to access and use data from the survey. The focus of the orientation is to give new and beginning users (or those who have used it in the past but may need a refresher) the foundation that they need to better understand this national passenger travel data source and how they might apply it to their needs. It will help to provide a foundation for the conference sessions and discussions during the next two days.

Topics to be covered will include:
- History of the NHTS
- Data collection methodology
- File structure and basic content of files
- Data limitations
- Common analysis and examples of analysis
- Analysis tools and supporting documentation

MONDAY, NOVEMBER 1

CONTINENTAL BREAKFAST: 9 a.m. – 9:30 a.m., Keck foyer

OPENING SESSION: 9:30 a.m. – 11:30 a.m., Keck 100
Johanna P. Zmud, NuStats Partners LP, presiding
- The Role of National Household Travel Survey within the U.S. Department of Transportation
  George Schoener, Deputy Assistant Secretary for Transportation Policy
- Planning for the Next National Household Travel Survey
  Susan Liss, Federal Highway Administration; and
  Lee Giesbrecht, Bureau of Transportation Statistics
- Overview of National Household Travel Survey Uses
  Vincent Fang, Deepak Virmani, Charlie (Xiaoli) Han, and Fahim Mohamed,
  Macrosys Research & Technology
LUNCH: 11:30 a.m.–12:30 p.m., Keck foyer

NHTS FINDINGS PAPER SESSION: 12:30 p.m.–2:30 p.m., Keck 101
Steven E. Polzin, University of South Florida, presiding
- Travel Characteristics on Weekends: Implications for Planning and Policy Making
  Ram M. Pindyala and Ashish Agarwal, University of South Florida
- The Utility of the NHTS in Understanding Bicycle and Pedestrian Travel and How Other Data Sources Can Help
  Kevin J. Krizek, University of Minnesota; and
  Kelly J. Clifton, University of Maryland–College Park
- Built Environment and Trip Generation for Non-Motorized Travel
  Felipe Targa, University of Maryland–College Park; and
  Kelly J. Clifton, University of Maryland–College Park
- Using the NHTS to Understand Key Trends in Travel Behavior
  Nancy McGuckin, Travel Behavior Analyst

SURVEY METHODS/NEXT NHTS PAPER SESSION: 12:30 p.m.–2:30 p.m., Keck 109
Elaine Murakami, Federal Highway Administration, presiding
- Redesigning the NHTS Sampling Approach: The Impacts of Sampling Only One Person per Household Did Not Present
  Bennett Pierce, Battelle
- Nonresponse in NHTS
  Gary Shapiro, David Cantor, Li Wan Chen, Mark Freedman, and
  G. Hussain Choudhry, WESTAT, Inc.
- Results from the 2004 Kansas City GPS-Enhanced Household Travel Survey
  Jean Wolf, GeoStats; Stacey G. Bricka, NuStats Partners, LP; and
  Todd Ashby, Mid-America Regional Council
- Improving Household Travel Survey Quality Through Time and Distance Data Checking
  Laurie Wargelin, MORPACE International; Rick Donnelly, PB Consult, Inc.;
  Karen Faussett, Michigan Department of Transportation; and
  Lidia P. Kostyniuk, University of Michigan
- Improving Response Rates: Methods Employed to Promote National Household Travel Survey Participation
  Mark Freedman, Janice Machado, and Susan Swain, WESTAT, Inc.
MODELING AND INNOVATIVE APPLICATIONS PAPER SESSION: 12:30 p.m. – 2:30 p.m.,
Keck 110

Patricia S. Hu, Oak Ridge National Laboratory, presiding

- Daytime Population Estimation for Small Areas Using the National Household Travel Survey and GIS Databases Did Not Present
  Demin Xiong, Oak Ridge National Laboratory; and
  Jon Sperling, U.S. Department of Housing and Urban Development

- Household Vehicle Type Holdings and Usage: An Application of the Multiple Discrete-Continuous Extreme Value
  Chandra R. Bhat and Sudeshna Sen, University of Texas

- Using Nationwide Household Travel Data for Simulating Metropolitan Area Household Travel Data
  Min Xu, Peter R. Stopher, and Stephen Greaves, University of Sydney, Australia

- Bayesian Approaches to Learning from Data: The Interaction Between Land Use and Transportation
  Marco Scuderi and Kelly J. Clifton, University of Maryland–College Park

- A Time-Based, Comparative, and Integrated Approach to Measuring the Injury Risk of Walking
  Xuehao Chu, University of South Florida

BREAK: 2:30 p.m. - 3 p.m., Keck foyer

CRITICAL ISSUES PAPER SESSION: 3 p.m. – 5 p.m., Keck 101

Fred Laurence Williams, Federal Transit Administration, presiding

- Walking and the Built and Natural Environment
  Rob Boer, Michela M. Zonta, Deborah A. Cohen, and
  Adrian Overton, RAND Corporation

- A Picture of the Long Distance Travel Behavior of Americans Through Analysis of the 2001 National Household Travel Survey
  Joy Sharp, Lee H. Giesbrecht, and Jonaki Bose, Bureau of Transportation Statistics

- Older Yanks and Older Brits: A Comparative Assessment of the Difference Between Drivers and Non-Drivers
  Sandra Rosenbloom, University of Arizona

- Latino Immigration and Its Impact on Future Travel Behavior
  Jesse Casas, Carlos H. Arce, and Christopher Frye, NuStats Partners, LP

- Transit Use of NHTS
  Fred Laurence Williams, Federal Transit Administration; and
  Steven E. Polzin, University of South Florida
STATE AND MPO USES ON NHTS DATA PAPER SESSION: 3 p.m.–5 p.m., Keck 110

Ed Christopher, Federal Highway Administration, presiding

- Using Bayesian Updating to Enhance 2001 NHTS Kentucky Sample Data for Travel Demand Modeling
  Bing Mei, Wilbur Smith Associates; and Niels Robert Bostrom, Kentucky Transportation Cabinet

- National Household Travel Survey Add-On Use in the Des Moines, Iowa, Metropolitan Area
  Thomas J. Kane, Des Moines Area Metropolitan Planning Organization

- A Quality Assessment of the 2001 New York State NHTS Add-On Data
  Nathan S. Erlbaum, New York State Department of Transportation

- Baltimore Region Model Application Auto Availability Estimation Using 2001 National Household Travel Survey
  Charles Baber, Baltimore Metropolitan Council

- Enhancing State and MPO Transportation Planning Using National Household Travel Survey Add-On Data: The Wisconsin Experience
  Bruce Aunet and David Cipra, Wisconsin Department of Transportation; and Kimon Proussaloglou, Cambridge Systematics, Inc.

DATA FUSION WORKSHOP: 3 p.m.–5 p.m., Keck 109

Catherine T. Lawson, State University of New York–Albany, presiding

Data fusion is the process whereby two or more databases are integrated into a single source database, which is then used for statistical analysis. There are many policy, planning, and modeling issues for which NHTS data explains only part of the story, and data from other sources are necessary to complete the picture. Participants in this workshop will identify opportunities for data fusion using NHTS data as well as examine the challenges and solutions for integrating one or more databases with NHTS data.

- Data Fusion Resource Paper
  Mohan Venigalla, George Mason University

RECEPTION: 5 p.m.–6 p.m., Keck foyer
TUESDAY, NOVEMBER 2

CONTINENTAL BREAKFAST: 7:30 a.m.–8:00 a.m., Keck foyer

EMERGING ISSUES WORKSHOP: 8 a.m.–10 a.m., Keck 101
Chandra R. Bhat, University of Texas–Austin, presiding

Demographic, economic, and technological changes affect the path of transportation policy making and the data needed to support it. Participants in this workshop will identify emerging trends, evaluate the capability of current NHTS data to understand them, and propose changes to NHTS content to better investigate emerging issues.

- Emerging Issues Resource Paper
  Ram M. Pendyala, University of South Florida;
  Chandra R. Bhat, University of Texas–Austin

SURVEY METHODS AND TECHNOLOGIES WORKSHOP: 8 a.m.–10 a.m., Keck 109
Nancy McGuckin, Travel Behavior Analyst, presiding

The 2001 NHTS was challenged to attain a response rate that met Office of Management and Budget (OMB) requirements. The challenge will be even greater in the next NHTS. This workshop will operate as a “think tank” to provide guidance and support to planners of the next NHTS to reduce nonresponse and construct statistical compensations for its effects by identifying current trends in the survey industry, new technologies, and survey procedures that promise to improve 2001 practice.

- Survey Methods and Technologies Resource Paper
  Elaine Murakami, Federal Highway Administration; and
  Joy Sharp, Bureau of Transportation Statistics

DATA NEEDS FOR INNOVATIVE MODELING WORKSHOP: 8 a.m.–10 a.m., Keck 110
Thomas F. Rossi, Cambridge Systematics, Inc., presiding

New travel modeling procedures are being designed to meet today’s special needs of state DOTs and MPOs. These needs include more accurate and more sensitive travel forecasts for transportation planning and air quality analysis. Survey data provides information necessary to monitor the transportation system, and to estimate and validate new models and to apply them to understand current characteristics and establish a basis for comparison to forecasted future conditions. Participants in this workshop will explore the questions: Do new models require new data? If so, what types of data? How does NHTS data fit into this new reality?

- Data Needs for Innovative Modeling Resource Paper
  Konstadinos G. Goulias, University of California–Santa Barbara;
  Peter S. Vovsha, PB Consult, Inc.; Mark Bradley, Bradley Research & Consulting; and
  Val Noronha, University of California–Santa Barbara
BREAK: 10 a.m. - 10:30 a.m., Keck foyer

REPORTS FROM WORKSHOPS: 10:30 a.m. –11:30 a.m., Keck 100
Johanna P. Zmud, NuStats Partners LP, presiding
• Data Fusion Workshop Report
  Catherine T. Lawson, State University of New York–Albany
• Data Needs for Innovative Modeling Workshop Report
  Thomas F. Rossi, Cambridge Systematics, Inc.
• Emerging Issues Workshop Report
  Chandra R. Bhat, University of Texas–Austin
• Survey Methods and Technologies Workshop Report
  Nancy McGuckin, Travel Behavior Analyst

MEETING FUTURE NEEDS—CONFERENCE WRAP UP: 11:30 a.m. –noon, Keck 100
Johanna P. Zmud, NuStats Partners LP, presiding
• Key Observations from the Conference
  Joseph L. Schofer, Northwestern University