

## **Workshop A5 - Household travel surveys in an era of evolving data need for passenger travel demands**

Workshop chair:

Khandker Nurul HABIB, University of Toronto, Canada

Siva SRIKUKENTHIRAN, University of Toronto, Canada

Household Travel Survey (HTS) has been an extremely successful method for efficiently gathering standardized, high-quality travel information for passenger travel. However, changes in communications technologies (e.g. increased use of smartphones and web technologies, decreased use of land-line phones) and methodological issues (e.g. incomplete sample frame, dwindling response rates, under-representation of young population, increasing need of behavioural and multi-day information, etc.) are presenting increasing challenges to the conventional approaches of HTS. So, innovations in HTS is a dire necessity. This workshop presents an in-depth discussion of the key aspects of such innovations. It highlights the necessity of changes and adaptation of HTS methods and then presents some recent works on developing flexible frameworks of HTS design and data collection approaches. This will enable developing a general consensus and guideline on the state of the practices of HTS in the 21st century.

Papers for oral presentation

- Olivier Richard and Mathieu Rabaud.  
French Household Travel Survey: the Next Generation
- Khandker Nurul Habib, Eric Miller, Siva Srikukenthiran, Martin Lee-Gosselin, Catherine Morency, Matthew Roorda and Amer Shalaby.  
TTS 2.0: A Research and Development (R&D) Project on Passenger Travel Survey Methods
- Stefan Hubrich, Rico Wittwer and Regine Gerike.  
Household vs. Individual Survey Practices – Implications for household travel survey expenditures in Germany

Papers for poster presentation related to workshop

- Pierre Tremblay and Assia Bellazoug.  
An overview of OD-Surveys in Quebec
- Mathieu Rabaud. The Unified Household Travel Surveys Database
- Chris Harding, Siva Srikukenthiran, Khandker Nurul Habib and Eric J Miller.  
Evaluation of cost effectiveness and feasibility of in-person surveys as an augment to the regional travel survey: a case study in the Toronto area
- Gerd Sammer, Sebastian Riegler, Roman Klementschtz, Oliver Roider, Bystrik Bezak, Gabriella Balko and Peter L'Os.  
Challenges of Border-Crossing Transport Demand Surveys – Methodical Solutions and Experience with their Organisation to Achieve High Quality, an EU-Perspective
- Wafic El-Assi, Khandker Nurul Habib and Catherine Morency.  
Investigating the capacity of continuous household travel surveys in capturing the temporal rhythms of travel demand

- Christophe Hurez, Barbara Christian, Jimmy Armoogum and Fabrice Hasiak.  
A new protocol to measure Saturdays and Sundays mobility
- Erin Toop, Howaida Hassan, Andreas Rose and David Kriger.  
Edmonton & Region Household Travel Survey: Lessons Learned and Innovations in Trip Diary Surveys
- Andreas Rose, Muhammad Khan and Susanna Choy.  
Managing Canada's Largest Origin-Destination Survey: Lessons from the Trenches (Survey Innovation in the 2016 Transportation Tomorrow Survey)