

## **Workshop B2 - Behavioral changes in travel – Challenges and implications for their identification and measurement**

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Typically, transportation policy measures aim to motivate people to change their travel behavior (e.g. to use sustainable modes of transportation instead of a car). Furthermore, life events (e.g. birth of a child, retirement) often result in changes in travel behavior. On the other hand, structural processes (e.g. the exchange of differently car-socialized cohorts) might result in changes in travel volumes as well, but the underlying reasons for this cannot be regarded as behavioral changes.

Starting from this initial problem description the workshop aims first at a definition what a behavioral change means. Based on this definition methodological approaches will be discussed and distinguished from each other.

Within this workshop eight papers, which tackle changes in travel behavior, are presented and discussed. The objective of the workshop is the definition and evaluation of a methodological toolbox for the identification and measurement of behavioral changes.

Papers for oral presentation

- Sascha von Behren, Maike Puhe and Bastian Chlond.  
Office relocation and changes in travel behavior: capturing the effects including the adaptation phase
- Mohsen Nazem, Alfred Ka Kee Chu, Timothy Spurr and André Lomone.  
Analysis of travel pattern changes due to medium-term disruption on public transit networks using smart card data
- Rico Wittwer, Stefan Hubrich, Sebastian Wittig and Regine Gerike.  
Time series analyses of travel behaviour for five ‘car-peaked’ European capital cities: methodological and behavioural insights

Papers for poster presentation related to workshop

- Nils Wuytens, Imre Keseru and Cathy Macharis.  
Can participatory sensing provide a valid input for travel surveys: The FLAMENCO citizen observatory concept
- Makoto Chikaraishi, Akimasa Fujiwara and Junyi Zhang.  
A non-randomized intervention study on the impacts of emerging transport modes on travel behavior: A semiparametric difference-in-differences approach
- Marie-José Olde Kalter, Lucas Harms, Karst Geurs and Lissy La Paix Puello.  
Attitudes and travel behaviour: changing mode preferences and attitudes to change behaviour? A Mixture Latent Markov Class Analysis in the Netherlands
- Sascha von Behren, Clotilde Minster, Bastian Chlond and Marcel Hunecke.  
Assessing car-dependency: development of a comprehensive survey approach based on the concept of a travel skeleton

- Grzegorz Wielinski, Martin Trépanier, Catherine Morency and Khandker M. Nurul Habib.  
Measuring carsharing behavioral change over eight years of passive data stream: results and methodological challenges