



Mobile phones, mobility and transportation

Special NECTAR session at Mobile Tartu Conference 2022
Tartu, Estonia, 28th – 30th of June 2022

Call for papers

We are pleased to invite you for a special session *Mobile Phones, mobility and Transportation* organised by Cluster 8 (ICT) of NECTAR at the Mobile Tartu international conference, Estonia, 2022.

Main topic

The use of mobile phone data within the field of transportation is increasing. GSM and GPS data generated by phones are used for analysis varying from determining the average speed at certain road sections to gathering revealed preference data of travellers regarding their travel behaviour (e.g. mode and route choice). As a result mobile phone data is increasingly used to better understand the daily urban system, monitoring the performance of mobility concepts and measures, providing decision information for road authorities as well as road users and private companies.

Topics of interest

We seek to attract papers which will provide insights both from a conceptual and an empirical perspective, on the use of mobile phone data or smart phone apps within the field of transportation. We are specifically interested in papers focusing on the combination and integration of data sources to assess network performance (including 15 minute city and social effects) and to allow for consistent travel behaviour knowledge on individual as well as aggregated level.

Important dates

Abstract submissions: 28 February 2022

Abstract acceptance: 31 March 2022

Abstracts (max 250 words) should be submitted using the Mobile Tartu Conference website (<http://mobiletartu.ut.ee/>) and a copy of the abstract should be sent to Tuuli Toivonen (tuuli.toivonen@helsinki.fi) and Luc Wismans (l.j.j.wismans@utwente.nl). Depending on submissions we will organize a special issue in collaboration with the Mobile Tartu conference organization inviting conference participants.

Session organisers

Dr. Tuuli Toivonen, University of Helsinki, the Netherlands (Cluster co-chair)

Dr. Luc Wismans, University of Twente, the Netherlands (Cluster co-chair)



NECTAR is a European-based scientific association. The primary objective is to foster research collaboration and exchange of information between experts in the field of transport, communication and mobility from all European countries and the rest of the world. It is a multidisciplinary social science network. It brings together a wide variety of perspectives on transport and communication problems and their impacts on society in an international perspective. The objective of NECTAR cluster 8 (ICT) is to bring together researchers with an interest in the implications of ICT on urban and transport networks as well as in the use of big data sources for urban and transport analysis and modelling and transport management. For further information see: <http://www.nectar-eu.eu>

Mobile Tartu is a bi-annual international conference organized by the University of Tartu, Estonia. The aim of the event is to discuss theoretical, methodological and empirical aspects of research using mobile data –derived from mobile phone or crowd-sourced social media – and explore practical applications of this data in geography and planning. For further information see: <http://mobiletartu.ut.ee/>