

This event is organised by the Doctoral School of Earth Sciences and Ecology, supported by the European Union, European Regional Development Fund (University of Tartu's ASTRA project PER ASPERA).



# Mobile Tartu 2020 Virtual Conference



UNIVERSITY OF TARTU  
Mobility Lab



UNIVERSITY OF TARTU  
Institute of Computer Science



MOBILE TARTU

<https://mobiletartu.ut.ee>

30 June 2020



Time Zone  
EEST\*

\*EEST = CET +1

<b>10:00-10:10</b> Opening, Siiri Silm						
<b>10:10-10:40</b>		<b>Rein Ahas Lecture by Prof. Georg Gartner, Discussant Prof. Frank Witlox</b>		Towards semantic location based services		Vienna University of Technology
10:40-10:45 Break for choosing and joining parallel session						
<b>10:45-12:00</b> Session 1a: Cross-border mobility, Chair Dr. Siiri Silm				<b>Session 1b: Tracking with smartphone applications, Chair Dr. Amnir Hadachi</b>		
10:45-11:00	<b>Olle Järv,</b> Tuomas Väisänen, Samuli Massinen	Twitter to reveal people crossing state borders in Europe: Cross-border interactions and mobilities in Finland and Luxembourg	University of Helsinki	<b>Joseph Molloy,</b> Christopher Tchervenkov, Beat Hintermann, Kay W. Axhausen	MOBIS: An 8-week mobility pricing field experiment using GPS tracking	ETH Zurich
11:00-11:15	<b>Priit Järv</b>	Mining tourist behavior from crowd-sourced data	Tallinn University of Technology	<b>Anto Aasa</b>	Development of methodological framework for smartphone based time-use survey	University of Tartu
11:15-11:30	<b>Veronika Mooses,</b> Siiri Silm, Tiit Tammaru, Erki Saluveer	Measuring ethnic differences in transnational activity space with mobile phone data	University of Tartu	<b>Jukka Krisp,</b> Maja Kalinic, Christian Röger	Extended floating bike data (xFBD) analysis – have a pleasant ride	University of Augsburg
11:30-11:45	<b>Jussi S. Jauhiainen</b>	Biogeopolitics of Covid-19: Asylum-related migrants at the European Union borderlands	University of Turku	<b>Robin C.O. Palmberg,</b> Yusak O. Susilo, Győző Gidófalvi, Fatemeh Naqavi	Towards a better understanding of the health impacts of one's movement in space and time	KTH Royal Institute of Technology
11:45-12:00	<b>Roman Babkin</b>	Analysis of Moscow metropolitan area settlement system pulsations based mobile phone data	Russian University of Economics and Moscow State University	<b>Deepak Elias,</b> Bart Kuijpers	Visit probability in space-time prisms based on Trinomial Random Walks	University of Hasselt
12:00-12:10 Virtual coffee break						
<b>12:10-12:40</b>		<b>Keynote speaker Prof. Haosheng Huang, Discussant Dr. Olle Järv</b>		Location based science - the science behind location based services		Ghent University
12:40-12:45 Break for choosing and joining parallel session						
<b>12:45-14:00</b> Session 2a: Mobile methods, Chair Dr. Anto Aasa				<b>Session 2b: Mobile phones, travel and transportation by NECTAR, Chair Prof. Tuuli Toivonen</b>		
12:45-13:00	<b>Aleksey Ogulenko,</b> Itzhak Benenson	Positioning in mobile networks: Bayesian approach vs. Voronoi tessellation	Tel Aviv University	<b>Avital Angel,</b> Achituv Cohen, Sagi Dalyot, Pnina Plaut	Evaluating Bluetooth sensors as a tool for collecting pedestrians' flow data	Technion - Israel Institute of Technology

13:00-13:15	<b>I-Ting Chuang</b>	Mapping public spaces - sensing diversity and density through social media	Singapore University of Technology and Design	<b>Giovanny Moncayo</b> , Ismail Saadi, Marc Van Droogenbroek, Mario Cools	Using mobile phones to collect data including user feedback for the analysis of urban mobility	University of Liege
13:15-13:30	<b>Daniel Brandt</b> , Omar Alnyme, Tobias Heldt	Creating a BI-tool for analyzing mobility gaps in rural areas	University of Dalarna	<b>Nils Breyer</b> , David Gundlegård, Clas Rydergren	Travel Mode Classification using Cellular Network Data	Linköping University
13:30-13:45	<b>Terje Trasberg</b> , James Cheshire	Towards data-driven retail location analysis	University College London	<b>Egor Kotov</b>	The role of land use and transport accessibility in trip generation: evidence from the Moscow mobile phone data	National Research University Higher School of Economics of Russia
13:45-14:00	<b>Amalia A. Widiasanti</b> , Titi Kanti Lestari, Siim Esko, Alfatihah Reno, Margus Tiru	The use of mobile positioning data for economic impact analysis: A case study of ASIAN Games 2018 in Indonesia	BPS Statistics Indonesia	<b>Janika Raun</b> , Age Poom	Visualising actual mobility flows by using different digital datasets: Applying Population Mobility Monitor in Tartu and its surroundings	University of Tartu
14:00-14:30	Lunch					
<b>14:30-15:00</b>	<b>Keynote speaker Prof. Rob Kitchin, Discussant Erki Saluveer</b>		Critical reflections on real-time mobility data		Maynooth University	
15:00-15:05	Break for choosing and joining parallel session					
<b>15:05-16:20</b>	<b>Session 3a: Automated Mobilities by Jean Monnet Network on Cooperative, Connected and Automated Mobility: EU and Australasian Innovations (CCAMEU), Chair Dr. Age Poom</b>			<b>Session 3b: Big Data for official statistics by UN Big Data Global Working Group, Chair May Offermans</b>		
15:05-15:20	<b>Miloš N. Mladenović</b> , Dominic Stead, Dimitris Milakis, Kate Pangbourne, Moshe Givoni	Governance cultures and sociotechnical imaginaries of self-driving vehicle technology: Comparative analysis of Finland, UK and Germany	Aalto University	<b>Ronald Jansen</b>	Mobile Phone Data projects for official statistics	Statistics Division at United Nations
15:20-15:35	<b>Anna Brauer</b> , Ville Mäkinen, Juha Oksanen	Measuring city cycling - from mobile tracking data to the cycling traffic fluency index	Finnish Geospatial Research Institute	<b>Titi Kanti Lestari</b> , Alfatihah Reno, Jaanus Kroon, Siim Esko, Ririn Salwa Purnamasari	Better outbound tourism and migrant workers statistics through integration of mobile positioning data with immigration data	BPS Statistics Indonesia
15:35-15:50	Age Poom, <b>Elias Willberg</b> , Joose Helle, Akseli Toikka, Tuuli Toivonen	Travel-time environmental exposure as a proxy for urban travel quality: Street-level green views while using shared bikes in Helsinki	University of Helsinki	Erki Saluveer, Janika Raun, Margus Tiru, Laura Altin, <b>Jaanus Kroon</b> , Tarass Snitsarenko, Anto Aasa, Siiri Silm	12 years of official tourism statistics from mobile positioning data	Positium
15:50-16:05	<b>Mayoekh Sikka</b>	Determining environmental and social impacts of different commuting behaviors of workers: use of Mobile Phone Data (MPD)	European Institute for Energy Research	<b>François Sémécurbe</b> , Milena Suarez Castillo	Location precision in mobile phone data	Insee
16:05-16:20	<b>Tobias Heldt</b> , Daniel Brandt, Ewa Glińska,	Using multiple data sources to analyse mobility demand in	Dalarna University	<b>Sigrid van Hoek</b>	Detailed tourism statistics via unsupervised machine learning	Statistics Netherlands

	Kimmo Nurmio, Kari Oinonen, Age Poom, Janika Raun, Ewa Rollnik-Sadowska, Urszula Ryciuk, Kati Vierikko	touristic remote areas around the Baltic sea				
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16:20-16:30 Virtual coffee break

<b>16:30-17:00</b>	<b>Keynote speaker Prof. Esteban Moro,</b> <b>Discussant Prof. Tiit Tammaru</b>	Atlas of Inequality: segregation at high resolution in urban areas	Carlos III University of Madrid
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**17:00-17:10** Closing