



MOBILE TARTU

Wednesday, 27.06.2018

# Mobile Tartu 2018

27–29 June 2018

mobiletartu.ut.ee



UNIVERSITY OF TARTU



Estonian Biocentre



Venue: Mooste Manor

12.00-12.20	Registration and coffee				
12.20-12.30	<b>Opening</b>				
12.30-13.00	<b>PhD seminar, Data collection and analysis in groups</b>		Group A: Social Media Data (University of Helsinki, Digital Geography lab) Group B: GPS data (University of Tartu, Mobility Lab)		
13.00-14.00	Lunch				
14.00-14.30	<b>Keynote speaker</b> Prof. Márton Karsai	Socioeconomic Correlations and Stratification in Social Communication Networks		Ecole Normale Supérieure de Lyon / INRIA	
14.30-15.50	<b>Session 1: Mobile Tartu 2018, Chair Dr. Siiri Silm</b>				
14.30-14.50	Olle Järv, Henrikki Tenkanen, Maria Salonen, Rein Ahas, <b>Tuuli Toivonen</b>	Dynamic cities: Location-based accessibility modelling as a function of time		University of Helsinki	
14.50-15.10	<b>Siming Chen</b> , Natalia Andrienko, Gennady Andrienko	TopicWave: Interactive visual analytics of Spatial temporal topics distribution of people's reaction to events from geo-tagged social media		Fraunhofer IAIS / University of Bonn	
15.10-15.30	<b>Age Poom</b> , Anto Aasa, Siiri Silm, Anni Kaup, Rein Ahas	Smartphone GPS tracking for uncovering the impacts of workplace location on space-time use in urban region		University of Tartu	
15.30-15.50	Jinhyung Lee, <b>Harvey J. Miller</b>	Measuring and comparing individual and collective accessibility using average space-time prisms		The Ohio State University	
15.50-16.10	Coffee break				
16.10-17.50	<b>Session 2a: Mobile Tartu 2018, Chair Prof. Marton Karsai</b>			<b>Session 2b: PhD session, Chair Prof. Jukka M. Krisp</b>	
16.10-16.30	<b>Veronika Mooses</b> , Siiri Silm, Rein Ahas	Ethnic differences in outbound travel: a study with mobile phone data	University of Tartu	<b>Pilleriine Kamenjuk</b> , Anto Aasa	Passive mobile positioning as a way to map connections between change of residence and daily mobility University of Tartu
16.30-16.50	<b>Jiří Nemeškal, Jiří-Jakub Zévl</b>	Commuting patterns in Prague Metropolitan Area	Charles University	<b>Hanna Budnitz</b>	Using mobile phone data to identify reductions in travel University of Birmingham
16.50-17.10	<b>Xinlin Ma</b>	Do Highly Educated Employees Segregate in Daily Activity Space? Evidence from Shang-di Industrial Park, Beijing	Peking University	<b>Ieva Dobraja, Menno-Jan Kraak</b>	Adaptable dashboard for Origin-Destination data University of Twente
17.10-17.30	<b>Amit Birenboim</b>	Combining GPS tracking and bio-sensing techniques to detect episodic changes in mental state during outdoor activities	Tel Aviv University	<b>Anniki Puura, Siiri Silm, Anu Masso</b>	The Effect of Social Networks on Spatial Mobility: Study of Using Smartphone Tracking Data and Related Interviews University of Tartu
17.30-17.50	<b>Olle Järv</b> , Kerli Müürisepp	Implementation of Big Data in cross-border studies: prospects and challenges to examine border mobility	University of Helsinki	<b>Sharon Richardson</b>	Sensing local population dynamics from digital footprints University College London
18.00-19.30	Dinner				
19.30-20.30	<b>Excursion</b>				
20.30	First bus back to Tartu				
20.30-22.30	<b>Social program: sauna and discussion continues</b>				
22.30	Second bus back to Tartu				

Thursday, 28.06.2018

Venue: Estonian Biocentre (Omicum); Riia 23b-105, Tartu

8.30-9.00	Registration and morning coffee				
9.00-9.10	<b>Opening</b>				
9.10-9.40	<b>Keynote speaker:</b> Matthew Zook	Hacking Code/Space: Confounding the Code of Global Capitalism		University of Kentucky	
9.40-11.00	<b>Session 3: Mobile Tartu 2018, Chair Dr. Anto Aasa</b>				
9.40-10.00	<b>Irma Kveladze</b> , Niels Agerholm	Using GeoVisual Analytics for understanding the distribution of complex movement patterns on the arterial roads		Aalborg University	
10.00-10.20	<b>Marina Toger</b> , John Östh	How average is average? Temporal patterns and variability in mobile phone data		Uppsala University	
10.20-10.40	<b>Yuhang Gu</b> , Menno-Jan Kraak	The 3D flow map, a solution for mobility data visualization		University of Twente	
10.40-11.00	<b>Henrikki Tenkanen</b> , Tuomo Hiippala, Aleks Rautio, Patrick Jansson, Shuhua Liu, Tuuli Toivonen	Sentiments of mobility: opinion mining from social media data with machine learning		University of Helsinki	
11.00-11.20	Coffee break				

11.20-12.40		Session 4a: Mobile Tartu 2018, Chair Prof. Frank Witlox		Session 4b: Mobile Tartu 2018, Chair Erki Saluveer (room 116)		
11.20-11.40	Jukka M. Krisp, Andreas Keler	Routing for driving tests	University of Augsburg	Joseph Molloy, Siiri Silm, Rein Ahas, Kay W. Axhausen	Comparison of passive mobile traces and GPS data for the calculation of mobility indicators	ETH Zürich
11.40-12.00	Itzhak Benenson, Eran Ben Elia	Analysis of Israeli smart card data	Tel Aviv University	Tao Feng, Harry J.P. Timmermans	Enhanced detection of activity types: A dynamic Bayesian belief approach	Eindhoven University of Technology
12.00-12.20	Cecilia Bergman, Juha Oksanen	What is the truth about transport cycling? Comparing mobile sports tracking application and travel survey data	Finnish Geospatial Research Institute	Peter Widhalm, Maximilian Leodolter, Oliver Burkhard, Vera Isler	Benchmarking travel mode classifiers	Austrian Institute of Technology
12.20-12.40	Pierre-Oliver Chasset, Arnaud Banos, Martin Dijst, Oliver Klein	Crowdsourced data collection of daily mobility with public transport disruptions. An individual-based approach assessing public transport reliability	Luxembourg institute of socio-economic research	Kimberley Chin, Haosheng Huang	Transport mode detection using cellular network data	University of Zurich
12.40-13.30	Lunch					
13.30-15.10		Session 5: Mobile phones, travel and transportation organised by NECTAR, Chair Dr. Luc Wismans				
13.30-13.50	Cuauhtemoc Anda, Sergio Arturo Ordonez Medina	Archetypes of urban travellers: Clustering of mobile phone users in Singapore			ETH Zürich	
13.50-14.10	Luc Wismans, Joris van den Berg, Barend Köbben, Sander van der Drift	Dynamic isochrone map for accessibility analysis based on spatiotemporal traffic and population data			University of Twente	
14.10-14.30	Anne Aguilera, Julie Chrétien, Florent Le Nechet, Laurent Proulhac	Complementarity of mobile phone data and household travel survey in the Paris Metropolitan Area			LVMT - Ecole des Ponts, IFSTTAR, UPEM, UPE	
14.30-14.50	Jedrzey Gadziński	How socio-demographic and land-use variables influence travel behaviours – results of a study with the use of smartphones			Adam Mickiewicz University	
14.50-15.10	Anna Clark, Emeli Adell	Results from 9 real-life applications of the travel survey app TravelVu			Trivector Traffic	
15.10-15.30	Coffee break					
15.30-16.30		Session 6: Sensor Data for Smart City, organized by SmartEnCity project of EU H2020, Chair Hannes Astok				
15.30-15.50	Laura Altin	Public Transportation planning using data-driven approach			Positium LBS	
15.50-16.10	Serkan Gürsoy	The role of social capital in knowledge creation: the case of Big Data value creation for smart mobility			Beykoz University	
16.10-16.30	Ioannis Toumpalidis, Martin Zaltz Austwick, Sarah Wise, Josep Maria Salanova, Georgia Aifadopoulou	Digital pathways: Navigating through the urban informational matrix			University College London	
16.30-16.45	Coffee break					
16.45-17.45		PhD seminar – presenting fieldwork results				
19.00	Conference dinner at restaurant Kolm Tilli (Kastani 42, Tartu)					

**Friday, 29.06.2018**

**Venue: Estonian Biocentre (Omicum); Riia 23b-105, Tartu**

8.30-9.00	Registration and morning coffee				
9.00-9.30	Keynote speaker: Fabbio Ricciato	Overcoming barriers on using mobile network data with trusted smart statistics			Eurostat
9.30-10.50		Session 7: BIG mobile data in official statistics, Chair Prof. Harvey J. Miller			
9.30-9.50	Siim Esko, Erki Saluveer, Titi Kanti Lestari, Addin Maulana	Measuring and reducing the error of mobile positioning data			Positium LBS
9.50-10.10	Titi Kanti Lestari, Siim Esko	Mixing big data with small data for the best results: mobile positioning data and cross-border survey in Indonesia			Positium LBS
10.10-10.30	Fabbio Ricciato	A Reference Methodological Framework for processing MNO data for official statistics			Eurostat
10.30-10.50	Margus Tiru	Big Data for Measuring the Information Society			Positium LBS
10.50-11.10	Coffee break				
11.10-12.10		Session 8: Mobile Tartu 2018, Chair Prof Matthew Zook			
11.10-11.30	Mari Laakso, Mikko Rönneberg, Tapani Sarjakoski, Juha Oksanen	What does a visit in a shopping mall reveal about me? - Views from GDPR perspective			Finnish Geospatial Research Institute
11.30-11.50	Ana Condeço-Melhorado, Borja Moya-Gómez, Juan Carlos Garcia-Palomares, Javier Gutiérrez	The Rio 2016 Olympic Games through Twitter			University Complutense of Madrid
11.50-12.10	Janika Raun, Noam Shoval, Rein Ahas	The role of a major gateway in national tourism			University of Tartu
12.10-12.30		Closing			
12.30-13.30	Lunch				

16.00	Special program for late departures. Visit to the birthplace of the Estonian beer industry - A. le Coq beer museum (Lalupeo blvd. 15, Tartu) and a farewell dinner in the city centre.				
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