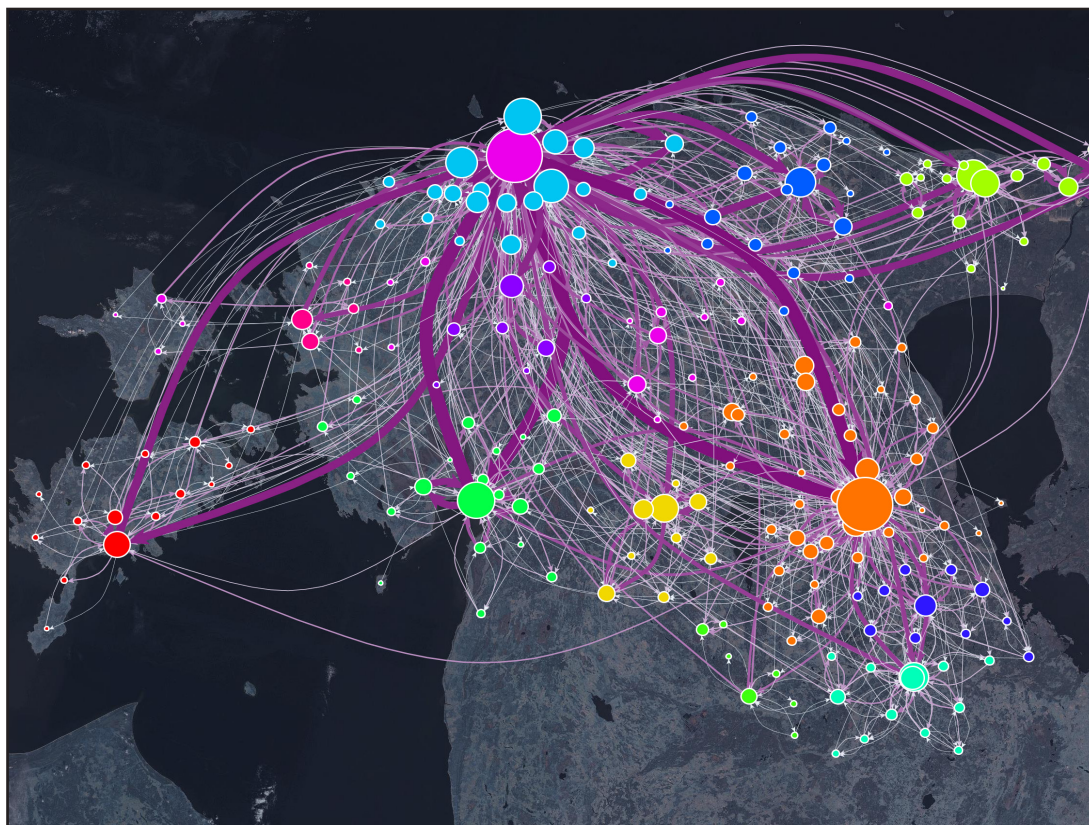




UNIVERSITAS TARTUENSIS



# Mobile Tartu 2016

[www.mobilitylab.ut.ee/mobiletartu/2016](http://www.mobilitylab.ut.ee/mobiletartu/2016)

29 June – 1 July 2016

## PROGRAMME



Supported by Information Technology Foundation for Education programme IT Akadeemia

12.00-12.20	Registration					
12.20-12.30	Opening					
12.30-13.00	Keynote speaker Stefan van der Spek	Sensing the City/Advances in Tracking Technologies			Delft University of Technology	
13.00-13.30	<b>Session 1: PhD seminar, field experiment with smartphones and GPS tracking</b> Group A) Smartphone tracking & social network analyses with YouSense (Anto Aasa, Anniki Puura) Group B) GPS tracking & urban planning (Stefan van der Spek) Group C) CDR data exercise (Erki Saluveer, Margus Tiru)					
13.30-14.20	Lunch					
14.20-16.00	<b>Session 2: COST TU1305 seminar "Social networks and travel behavior"; Chair Prof. Rein Ahas</b>					
14.20-14.40	Thibaut Dubernet, Kay W. Axhausen	New Data for Simulating the Impact of Social Networks on Travel			ETH Zurich	
14.40-15.00	Maria del Mar Alonso-Almeida	Social media use in mobile devices and leisure tourism travel behaviour			Autonomous University of Madrid	
15.00-15.20	Arnaud Adam, Adeline Decuyper, Isabelle Thomas	Revisiting the urban structure of Brussels by means of mobile phone data and community detection			Université catholique de Louvain	
15.20-15.40	Emmanouil Chaniotakis, Ioannis Toumpalidis, Josep Maria Salanova Grau, Constantinos Antoniou	Understanding activity patterns from Social Media Data: a fusion of Facebook and Twitter			Centre for Research and Technology Hellas- Hellenic Institute of Transport	
15.40-16.00	João de Abreu e Silva, Juan de Oña, Slaven Gasparovic	The relationship between travel behavior, ICT usage and social networks in university students in 3 European cities.			University of Lissabon	
16.00-16.20	Coffee break					
16.20-18.00	<b>Session 3a: COST TU1305 seminar "Social networks and travel behavior"; Chair Prof. João de Abreu e Silva</b>			<b>Session 3b: Mobile Tartu 2016, PhD seminar; Chair Prof. Gennady Andrienko</b>		
16.20-16.40	Josep Maria Salanova Grau	Social media for transportation planning: estimating demand for taxi	Centre for Research and Technology Hellas- Hellenic Institute of Transport	Young-Long Kim	Seoul's Wi-Fi hotspots: The role of big data in understanding urban vitality	Clark University
16.40-17.00	Domokos Esztergar-Kiss, Zoltan Rozsa, Tamas Tettamanti	Extensions of the activity chain optimization method	Budapest University of Technology and Economic	Nils Breyer, David Gundlegård, Clas Rydergren	Estimation of transport infrastructure use through network assignment based on cellular network data	Linköping University
17.00-17.20	Elena Masala, Stefano Pensa	Traditional VS Data-driven approaches: a map comparison for the evaluation of usability of Twitter data	The Polytechnic University of Turin	Willem Schoors, Maarten Vanhoof, Anton Van Rompaey	Coping with CDR-based entropy bias induced by unequal antenna distribution	University of Leuven
17.20-17.40	Oded Gal, Plaut Pnina	Shared-private transportation and social media: the role of social media as platform for ridesharing: developing an alternative model.	Technion - Israel Institute of Technology	Maarten Vanhoof, Zbigniew Smoreda, Patrick Olivier, Thomas Ploetz	Assessing home detection algorithms based on CDR data	Open Lab
17.40-18.00	Adeline Decuyper, Christophe Cluquet, Arnaud Adam, Jean-Charles Delvenne, Isabelle Thomas	On the issues of spatial aggregation for community detection in communication networks	Université catholique de Louvain	Anniki Puura, Siiri Silm	Patterns of co-presence in geographically distant relationships	University of Tartu
18.00-18.40	Dinner					
18.40-19.10	Keynote speaker Menno-Jan Kraak	Mapping human mobility: concepts, mapping tools and designs			University of Twente	
19.10-20.00	<b>Session 4: PhD seminar, field experiment with smartphone and GPS tracking</b>					
20.00	Social program: presentation about Estonia, swimming, sauna, walking					
21.00	First bus back to Tartu					
23.00	Second bus back to Tartu					

8.30	Registration					
9.00-9.10	Opening					
9.10-11.00	Session 5: Mobile Tartu 2016; Chair Prof. Bob McKerchner					
9.10-9.40	Keynote speaker Tuuli Toivonen		What social media data can offer for mobility studies		University of Helsinki	
9.40-10.00	Andreas Keler, Jukka M. Krisp, Linfang Ding		Towards predicting vehicle bottleneck movements in urban environments – a case study with Floating Taxi Data in Shanghai		University of Augsburg	
10.00-10.20	Monica Wachowicz, Maria Dolores Arteaga		Predicting vehicular flows using a synchronization model based on spatial scaling		University of New Brunswick	
10.20-10.40	Arnaud Banos, Pierre-Oliver Chasset, Julie Fen-Chong, Francois Queyroi, Zbigniew Smoreda		Exploring alternate traffic circulation effects in Île-de-France Region using aggregated mobile phone data: is it still useful to use mobile phone data?		University of Burgundy - France-Comtè	
10.40-11.00	Margus Tiru, Erki Saluveer		Challenges of using mobile phone data in official statistics		Positium LBS & University of Tartu	
11.00-11.20	Coffee break					
11.20-13.00	Session 6a: Mobile Tartu 2016; Chair dr. Stefan van der Spek			Session 6b: Mobile Tartu 2016; Chair Erki Saluveer Venue: Riia 23b-116		
11.20-11.40	Justin van Dijk, Stephan Krygsman	Using smartphones to collect individual travel data for designing a Voluntary Travel Behaviour Change intervention	Stellenbosch University	Olle Järv, Henrikki Tenkkanen, Tuuli Toivonen	Engaging mobile phone data into a dynamic spatio-temporal accessibility modelling	University of Helsinki
11.40-12.00	Thierry Derrmann, Raphaël Frank	Simulating pervasive vehicular access to the E-UTRAN	University of Luxembourg	Mohammad Forghani, Farid Karimipour	GIS-based Mobile Coverage Estimation to Reduce Uncertainty of Cellular Trajectories	University of Tehran
12.00-12.20	Oliver Burkhard, Robert Weibel, Rein Ahas	Comparing the quality of reconstruction and information loss of Life Pattern recognition based on GPS and CDR data	University of Zurich	Josep Maria Salanova Grau, Manolis Chaniotakis, Evangelos Mitsakis, Georgia Aifandopoulou, Joschka Felix Bischoff	Mobile data for transportation	Technical University of Berlin
12.20-12.40	Cecilia Bergman, Juha Oksanen,	Optimization of cycling tours: Towards crowd intelligence derived from mobile sports tracking data	Finnish Geospatial Research Institute	Miroslav Hudec	Linguistically summarizing mobile positioning data	University of Economics in Bratislava
12.40-13.00	Age Poom, Mattias Linnap	The impact of the location of university campuses on activity spaces and travel behaviour of students and academic staff	University of Tartu			
13.00-14.00	Lunch					
14.00-16.10	Session 7: Mobile Tartu 2016; Chair Prof. Menno-Jan Kraak					
14.00-14.30	Keynote speaker Bob Mc Kercher		Impact of distance on tourist behaviour		The Hong Kong Polytechnic University	
14.30-14.50	Henrikki Tenkkanen, Olle Järv, Enrico Di Minin, Tuuli Toivonen		Analyzing spatial mobility patterns of tourists using social media data – case study from South African national parks		University of Helsinki	
14.50-15.10	Marco Mamei, Massimo Colonna		Monitoring and Analysis of Tourist Activity from Cellular Network Data		University of Modena and Reggio Emilia	
15.10-15.30	Kristian Hegner Reinau		Smart Card Data in a Peripheral Region: Modularity Analysis and the Geography of Passenger Flows		Aalborg University	
15.30-15.50	Pierre-Oliver Chasset, Banos Arnaud, Klein Oliver		Tracking cross-borders commuters fatigue through twitter: a new sampling strategy		Luxembourg Institute of Socio-Economic Research	
15.50-16.10	Janika Raun, Rein Ahas, Margus Tiru		Measuring Tourism Destinations Using Mobile Tracking Data		University of Tartu	
16.10-16.30	Coffee break					
16.30-17.45	Session 8: PhD seminar – presenting fieldwork results					
17.45	City walk: A) Bird watching and hearing app: Marko Peterson, Veljo Runnel - University of Tartu Nature observations via mobile devices, mobility and collected data. B) Interesting places and houses in Tartu: Toomas Liivamägi					
19.00	Conference dinner at Dorpat Restaurant (Soola 6, Tartu)					

8.00	Registration		
8.30-10.15	<b>Session 9: Mobile phones, travel and transportation, organised by Nectar; Chair: Dr. Luc Wismans</b>		
8.30-9.00	<b>Keynote speaker Robert Weibel</b>	Leaving the Lab: Real-life Measurement of Mobility, Activity and Social Interaction in Healthy Aging Research	<b>University of Zurich</b>
9.00-9.25	<b>Adrian C. Prelipcean</b> , Gyoza Gidofalvi, Yusak O. Susilo	MEILL: an activity travel diary collection, annotation and automation system	KTH Royal Institute of Technology
9.25-9.50	<b>Amelia Huang</b> , Tiago Fioreze, Tom Thomas	On personalised positive incentives to reduce car use: a micro-experiment to promote cycling on the campus of the University of Twente	University of Twente
9.50-10.15	<b>Helga Jonuschat</b> , Robert Schönduwe, Marc Schelewsky	Measuring inter- and multimodal mobility patterns with the automatic trip diary "modalyzer"	Innovation Centre for Mobility and Societal Change
10.15-10.35	Coffee break		
10.35-11.55	<b>Session 10a: Mobile Tartu 2016; Chair Prof. Tuuli Toivonen</b>		
10.35-10.55	<b>Akihiro Fujihara</b>	Exploring spatio-temporal patterns on human serendipitous encounter through Inter-Contact Distance	Fukui University of Technology
10.55-11.15	<b>Imre Keseru</b> , Nils Wuytens, Cathy Macharis	Campaign patterns for mobility in citizen observatories	Vrije Universiteit Brussel
11.15-11.35	Alberto Gonzalez, <b>Sven Casteleyn</b> , Luis Rodriguez, Ignacio Miralles Tena, Carlos Granelli Canut, Joaquin Huerta	Mobile, expert-sourced data collection to enable sustainable agricultural practices and management	Jaume I University
11.35-11.55	<b>Greg Rybarczyk</b> , Syagnik Banerjee, Giulia Melis, Stefano Pensa	Pathways to happiness: a comparative study linking Twitter and contextual factors	University of Michigan-Flint SiTI Istituto Superiore sui Sistemi Territoriali per l'Innovazione
10.35-11.50	<b>Session 10b: Mobile phones, travel and transportation, organised by Nectar; Chair: Prof Karst Geurs Venue: Riia 23b-116</b>		
10.35-11.00	<b>Luc Wismans</b> , K. Friso, J. Rijdsdijk, S.W. de Graaf, J. Keij	Improving a-priori demand estimates transport models using mobile phone data. Rotterdam region case	University of Twente/DAT.Mobility
11.00-11.25	<b>Maxim Janzen</b> , Maarten Vanhoof, Zbigniew Smoreda, Kay W. Axhausen	CDR Data versus Long-Distance Travel Surveys	ETH Zurich
11.25-11.50	<b>John Östh</b> , Aura Reggiani, Laurie Schintler	Can the mobility of phones be used to depict the spatial organization of regions?	Uppsala University
11.55-12.45	Lunch		
12.45-14.25	<b>Session 11: Mobile phones, travel and transportation, organised by Nectar; Chair: Dr. John Östh</b>		
12.45-13.10	<b>Tom Thomas</b> , Karst Geurs	Mode choice dynamics: an exploration of intrapersonal mode choice variation using the Dutch Mobile Mobility Panel	University of Twente
13.10-13.35	<b>Bogdan Toader</b> , Francois Sprumont, Francesco Viti, Sebastien Faye, Miora Popescu	Usage of smartphone data to derive an indicator of activity similarity between individuals	University of Luxembourg
13.35-14.00	<b>Elis Kõivumägi</b> , Mariano Jofre, Amnir Hadachi, Eero Vainikko	Semantically enriching mobile subscribers' trajectories	University of Tartu
14.00-14.25	<b>Marcus Mohall</b> , John Östh, Ian Shuttleworth, Thomas Niedomysl	Segregation and mobility: exploring economic segregation in Sweden's metropolitan areas using mobile phone data	Uppsala University
14.25-14.45	Coffee break		
14.45-16.35	<b>Session 12: Mobile Tartu 2016; Chair Prof. Robert Weibel</b>		
14.45-15.15	<b>Keynote speaker Gennady Andrienko</b>	Space, Time and Visual Analytics: a multiple Perspectives Paradigm	Frahofer Institute for Intelligent Analysis and Information systems / City University London
15.15-15.35	<b>Fredrik Alexander Gregersen</b> , Rikke Ingebrigtsen, Beate Elvebakk, Aslak Fyhri, Tom Erik Julsrud, Sunniva Frislid Meyer	Exposure to crime: Police records and mobile phones	Institute of Transport Economics
15.35-15.55	<b>Siiri Silm</b> , Rein Ahas	Differences in ethnic and interethnic networks in size and geography and with relation to activity space	University of Tartu
15.55-16.15	<b>Catherine Linard</b> , Elizabeth zu Erbach-Schoenberg, Pierre Deville, Andrew J. Tatem	Multi-temporal population density mapping using mobile phone data : challenges and opportunities	University of Namur
16.15-16.35	<b>Jessica Steele</b> , Pal Sundsoy, Carla Pezzulo, Andy Tatem, Victor Alegena, Linus Bengtsson	Improving our understanding of SDG's using innovative approaches: modelling multi-dimensional poverty using mobile phone and satellite data	University of Southampton
16.35-17.00	<b>Closing</b>		
17.15	Direct bus to Tallinn airport (expected arrival 7.45 p.m.) and Tallinn City centre Radisson Blu Hotel Olümpia in Tallinn City centre Liivalaia 33 (expected arrival 8 p.m.).		