

# Mobile Tartu 2016

29 June -1 July 2016

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

**Wednesday, 29.06.2016**

**Venue:** Järveveere holiday centre, 55 km West from Tartu, <http://www.jpk.ee/>

**Transport to Järveveere:**

**BUS FROM TARTU:** direct bus to Järveveere departs at 11 a.m. in the front of the Department of Geography (Vanemuise 46, Tartu).

**BUS FROM TALLINN:** direct bus to Järveveere departs at 9.30 a.m. in front of the Radisson Blu Hotel Olümpia in Tallinn City centre (Liivalaia 33, Tallinn); and at 9.45 a.m. from Tallinn Airport downstairs parking lot. Bus doesn't wait latecomers. If you miss the bus or your flight was delayed, we suggest to take [Lux Express](#) bus to Tartu. Please register to the bus transfer by sending an e-mail to [kristi.somer@ut.ee](mailto:kristi.somer@ut.ee), use subject text „MOBILE TARTU bus transfer“

12.20-12.30	Opening		
12.30-13.00	<b>Keynote speaker</b> Stefan van der Spek	<b>Sensing the City/Advances in Tracking Technologies</b>	<b>Delft University of Technology</b>
13.00-13.30	<b>Session 1: PhD seminar, field experiment with smartphones and GPS tracking</b> <b>Group A) Smartphone tracking &amp; social network analyses with YouSense (Anto Aasa, Anniki Puura)</b> <b>Group B) GPS tracking &amp; urban planning (Stefan van der Spek)</b> <b>Group C) CDR data exercise (Erki Saluveer, Margus Tiru)</b> Data collection and analysis in groups. If you want to participate in an experimental group work please register your participation with an e-mail to: <a href="mailto:anniki.puura@ut.ee">anniki.puura@ut.ee</a> use subject line „PhD seminar field experiment“.		
13.30-14.20	Lunch		
14.20-15.40	<b>Session 2: COST TU1305 seminar “Social networks and travel behavior”; Chair Prof. Rein Ahas</b>		
14.20-14.40	<b>Thibaut Dubernet</b> , Kay W. Axhausen	New Data for Simulating the Impact of Social Networks on Travel	ETH Zurich
14.40-15.00	<b>Maria del Mar Alonso-Almeida</b>	Social media use in mobile devices and leisure tourism travel behaviour	Autonomous University of Madrid
15.00-15.20	<b>Arnaud Adam</b> , 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	<b>Emmanouil Chaniotakis</b> , 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

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15.40-16.00	<b>João de Abreu e Silva</b> , 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		
<b>16.20-18.00</b>	<b>Session 3a: COST TU1305 seminar “Social networks and travel behavior”; Chair Prof. João de Abreu e Silva</b>		
16.20-16.40	<b>Josep Maria Salanova Grau</b>	Social media for transportation planning: estimating demand for taxi	Centre for Research and Technology Hellas-Hellenic Institute of Transport
16.40-17.00	<b>Domokos Esztergar-Kiss</b> , Zoltan Rozsa, Tamas Tettamanti	Extensions of the activity chain optimization method	Budapest University of Technology and Economic
17.00-17.20	Elena Masala, <b>Stefano Pensa</b>	Traditional VS Data-driven approaches: a map comparison for the evaluation of usability of Twitter data	The Polytechnic University of Turin
17.20-17.40	<b>Oded Gal</b> , 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
17.40-18.00	<b>Adeline Decuyper</b> , 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
<b>16.20-18.00</b>	<b>Session 3b: Mobile Tartu 2016, PhD seminar; Chair Prof. Gennady Andrienko</b>		
16.20-16.40	<b>Young-Long Kim</b>	Seoul's Wi-Fi hotspots: The role of big data in understanding urban vitality	Clark University
16.40-17.00	<b>Nils Breyer</b> , David Gundlegård, Clas Rydergren	Estimation of transport infrastructure use through network assignment based on cellular network data	Linköping University
17.00-17.20	<b>Willem Schoors</b> , Maarten Vanhoof, Anton Van Rompaey	Coping with CDR-based entropy bias induced by unequal antenna distribution	University of Leuven
17.20-17.40	<b>Maarten Vanhoof</b> , Zbigniew Smoreda, Patrick Olivier, Thomas Ploetz	Assessing home detection algorithms based on CDR data	Open Lab
17.40-18.00	<b>Anniki Puura</b> , Siiri Silm	Patterns of co-presence in geographically distant relationships	University of Tartu
18.00-18.40	Dinner		
<b>18.40-19.10</b>	<b>Keynote speaker Menno-Jan Kraak</b>	<b>Mapping human mobility: concepts, mapping tools and designs</b>	<b>University of Twente</b>
<b>19.10-20.00</b>	<b>Session 4: PhD seminar, field experiment with smartphone and GPS tracking</b>		
20.00	<b>Social program: presentation about Estonia, swimming, sauna, walking</b>		
21.00	First bus back to Tartu		
23.00	Second bus back to Tartu		

# Mobile Tartu 2016

Thursday, 30.06.2016

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

8.30	Registration		
9.00-9.10	<b>Opening</b>		
9.10-11.00	<b>Session 5: Mobile Tartu 2016; Chair Prof. Bob McKerchner</b>		
9.10-9.40	<b>Keynote speaker Tuuli Toivonen</b>	What social media data can offer for mobility studies	University of Helsinki
9.40-10.00	<b>Andreas Keler</b> , 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	<b>Monica Wachowicz</b> , 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, <b>Julie Fen-Chong</b> , 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	<b>Margus Tiru</b> , 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	<b>Session 6a: Mobile Tartu 2016; Chair dr. Stefan van der Spek</b>		
11.20-11.40	<b>Justin van Dijk</b> , Stephan Krygsman	Using smartphones to collect individual travel data for designing a Voluntary Travel Behaviour Change intervention	Stellenbosch University
11.40-12.00	<b>Thierry Derrmann</b> , Raphaël Frank	Simulating pervasive vehicular access to the E-UTRAN	University of Luxembourg
12.00-12.20	<b>Oliver Burkhard</b> , 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
12.20-12.40	<b>Cecilia Bergman</b> , Juha Oksanen,	Optimization of cycling tours: Towards crowd intelligence derived from mobile sports tracking data	Finnish Geospatial Research Institute
12.40-13.00	<b>Age Poom</b> , Mattias Linnap	The impact of the location of university campuses on activity spaces and travel behaviour of students and academic staff	University of Tartu
11.20-13.00	<b>Session 6b: Mobile Tartu 2016; Chair Erki Saluveer Venue: Riia 23b-116</b>		
11.20-11.40	<b>Olle Järv</b> , Henrikki Tenkkanen, Tuuli Toivonen	Engaging mobile phone data into a dynamic spatio-temporal accessibility modelling	University of Helsinki
11.40-12.00	<b>Artjom Lind</b> , Amnir Hadachi, Oleg Batrashev, Eero Vainikko	Particle Filter-based Localization in the Cellular Network	University of Tartu

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12.00-12.20	<b>Mohammad Forghani,</b> Farid Karimipour	GIS-based Mobile Coverage Estimation to Reduce Uncertainty of Cellular Trajectories	University of Tehran
12.20-12.40	Josep Maria Salanova Grau, Manolis Chaniotakis, Evangelos Mitsakis, Georgia Aifandopoulou, (presenter - <b>Joschka Felix Bischoff</b> )	Mobile data for transportation	Technical University of Berlin
12.40-13.00	<b>Miroslav Hudec</b>	Linguistically summarizing mobile positioning data	University of Economics in Bratislava
13.00-14.00	<b>Lunch</b>		
<b>14.00-16.10</b>	<b>Session 7: Mobile Tartu 2016; Chair Prof. Menno-Jan Kraak</b>		
<b>14.00-14.30</b>	<b>Keynote speaker</b> <b>Bob McKercher</b>	Impact of distance on tourist behaviour	The Hong Kong Polytechnic University
14.30-14.50	<b>Henrikki Tenkkanen,</b> 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	<b>Marco Mamei,</b> Massimo Colonna	Monitoring and Analysis of Tourist Activity from Cellular Network Data	University of Modena and Reggio Emilia
15.10-15.30	<b>Kristian Hegner Reinau</b>	Smart Card Data in a Peripheral Region: Modularity Analysis and the Geography of Passenger Flows	Aalborg University
15.30-15.50	<b>Pierre-Oliver Chasset,</b> 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	<b>Janika Raun,</b> Rein Ahas, Margus Tiru	Measuring Tourism Destinations Using Mobile Tracking Data	University of Tartu
16.10-16.30	<b>Coffee break</b>		
<b>16.30-17.45</b>	<b>Session 8: PhD seminar – presenting fieldwork results</b>		
17.45	<b>City walk:</b> <b>1) Bird watching and hearing app: Marko Peterson , Veljo Runnel - University of Tartu</b> Nature observations via mobile devices, mobility and collected data. Please register to bird watching with email: mobiletartu@ut.ee <b>2) Interesting places and houses in Tartu: Toomas Liivamägi</b>		
19.00	<b>Conference dinner at Dorpat Restaurant (Soola 6, Tartu)</b>		

# Mobile Tartu 2016

Friday, 1.07.2016

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

8.00	Registration		
8.30-9.00	<b>Keynote speaker Robert Weibel</b>	<b>Leaving the Lab: Real-life Measurement of Mobility, Activity and Social Interaction in Healthy Aging Research</b>	<b>University of Zurich</b>
9.00-10.40	<b>Session 9: Mobile phones, travel and transportation, organised by Nectar ; Chair: Dr. Luc Wismans</b>		
9.00-9.25	<b>Adrian C. Prelipcean</b> , Gyozo Gidofalvi, Yusak O. Susilo	MEILI: 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	GDR 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

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11.55-12.45	<b>Lunch</b>		
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	<b>Coffee break</b>		
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	Fraunhofer 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.). Please register to the bus transfer by sending an e-mail to <a href="mailto:kristi.somer@ut.ee">kristi.somer@ut.ee</a> , use subject text „MOBILE TARTU bus transfer“		