

Curriculum Vitae – Margus Tiru

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Education

2007 – present. University of Tartu Postgraduate Geoinformatics “Information and Communication Technology, Web-GIS and Dynamic Maps in Human Geography Research and Applications”.

2005 – 2007. University of Tartu. MSc Geoinformatics – “Interactive web application for grid-based 3D animation of dynamic phenomena”.

1999 – 2005. University of Tartu. BSc Cartography and Geoinformatics – “Route Replay Application of human movement based on mobile positioning data”.

1996 – 1999. Rapla Co-educational Gymnasium, Estonia. specialization in English, Math

Publications

- Ahas, R.; Aasa, A.; Silm, S.; Tiru, M. (2010). Daily rhythms of suburban commuters’ movements in the Tallinn metropolitan area: case study with mobile positioning data. *Transportation Research C*, 18, 45 - 54.
- Ahas, Rein; Silm, Siiri; Järv, Olle; Saluveer, Erki; Tiru, Margus (2010). Using Mobile Positioning Data to Model Locations Meaningful to Users of Mobile Phones. *Journal of Urban Technology*, 17, 3 - 27.
- Tiru, Margus; Saluveer, Erki; Ahas, Rein; Aasa, Anto (2010). Web-based monitoring tool for assessing space-time mobility of tourists using mobile positioning data: Positium Barometer. *Journal of Urban Technology*, 17, 71 - 89.
- Tiru, Margus; Kuusik, Andres; Lamp, Mari-Liis; Ahas, Rein (2010). LBS in marketing and tourism management: measuring destination loyalty with mobile positioning data. *Journal of Location Based Services*, 4, 120 - 140.
- Kuusik, A.; Ahas, R.; Tiru, M. (2010). The ability of tourism events to generate destination loyalty towards the country: an Estonian case study. Mäeltsemees, S.; Reiljan, J. (Eds.). XVIII rahvusvaheline majanduspoliitika teaduskonverents Majanduspoliitika Euroopa Liidu riikides – aasta 2010 (156 - 175). Berliner Wissenschafts-Verlag, Mattimar
- Kuusik, Andres; Ahas, Rein; Tiru, Margus. (2010). Turismiürituste võime genereerida sihtkohalojaalsust riigi suhtes: Eesti juhtum. In: Eesti juhtum. XVIII rahvusvaheline majanduspoliitika teaduskonverents Majanduspoliitika Euroopa Liidu riikides – aasta 2010, Värskä 1.-3.juuni 2010: XVIII rahvusvaheline majanduspoliitika teaduskonverents Majanduspoliitika Euroopa Liidu riikides – aasta 2010, Värskä 1.-3.juuni 2010. (Eds.)Mäeltsemees, Sulev; Reiljan, Janno. Berliner Wissenschafts-Verlag, Mattimar , 2010, 60 - 64.

- Kuusik, A.; Ahas, R.; Tiru, M. (2009). Analysing Repeat Visitation on Country Level with Passive Mobile Positioning Method: as Estonian Case Study . Mäeltsemees, S.; Reiljan, J. (Eds.). Discussions of Estonian Economic Policy XVII (140 - 155). Berlin - Tallinn: Berliner Wissenschafts-Verlag, Mattimar
- Kuusik, A.; Ahas, R.; Tiru, M. (2009). Korduvkülastuste analüüsimine riigi tasandil passivse mobiilpositsioneerimise meetodiga: Eesti juhtum. In: Eesti Majanduspoliitilised Väitlused : Majanduspoliitika Euroopa Liidu riikides – aasta 2009, Värska, 1 - 3 juuli 2009. (Eds.)Sulev Mäeltsemees (TTÜ), Janno Reiljan (TÜ). Berlin-Tallinn: Beriner Wissenschafts-Verlag, 2009, 51 - 55.
- Ahas, R.; Saluveer, E.; Tiru, M.; Silm, S. (2008). Mobile Positioning Based Tourism Monitoring System: Positium Barometer. O'Connor, P.; Höpken, W.; Gretzel, U. (Eds.). Springer Computer Science: Information and Communication Technologies in Tourism (475 - 485).Springer-Verlag
- Ahas, R.; Aasa, A.; Silm, S.; Tiru, M. (2007). Mobile positioning data in tourism studies and monitoring: case study in Tartu, Estonia. Sigala, M.; Mich, L.; Murphy, J. (Eds.). Information and Communication Technologies in Tourism (119 - 128).Springer
- Ahas, R.; Aasa, A.; Silm, S.; Tiru, M. (2007). Mobile positioning data in tourism studies and monitoring: case study in Tartu. Sigala, M., Mich, L., Murphy, J. (Eds.). Springer Computer Science: Information and Communication Technologies in Tourism (119 - 128).Springer
- Tiru, M.; Pae, K.; Saluveer, E. (2006). Joint space : open source on mobile positioning and urban studies. Kaja Pae; Rein Ahas; Ülar Mark (Eds.). Joint Space. Open Source on Mobile Positioning and Urban Studies (22 - 29). Tallinn: Positium

Professional Experience

2012. Member of organizing committee Mobile Tartu 2012 conference.

2011. Member of Committee (as student), transitional evaluation of study programme groups, Estonian Quality Assessment Council. Architecture and building, physical sciences, life sciences, environmental protection, agriculture, forestry and fishery.

2010. Member of organizing committee Mobile Tartu 2010 conference.

2008 – present. Active CEO, Member of the Board, Positium LBS.

2007 – 2008. Project lead, Positium LBS.

2006. Technical project lead, Venice Architectural Biennale, Estonian exposition “Venice Biennale's 10th International Architecture Exhibition in 2006 “Meta city”: Mobile activity spaces and real time city”.

2004 – 2007. Developer, web-based GIS applications, Regio.

2003. Field worker, Regio.

Related Skills

Language skills: Estonian, English, Russian

Computer skills: Programming languages (PHP, JavaScript, Actionscript, VBA, SQL, PostgreSQL, HTML), database administration (PostgreSQL, PostGIS, MySQL, Oracle), everyday computer skills (Office, Adobe family), GIS (ESRI, MapInfo, QuantumGIS, Mapserver).

Fields of specialization: geoinformatics (GIS), cartography, computer sciences, web-based GIS applications, position determining systems (GPS, MPS, WiFi fingerprinting, footprinting etc), mobile positioning technologies, large-scale spatio-temporal databases and data processing, data mining, navigation, socio-economic aspects of human mobility.