

Tuesday, June 14th

8:00-18:00	Registration (on site payment possible until 10:00)	Lobby 1st floor
9:00-10:30	Workshops at University of Helsinki	
10:30-11:00	Coffee Break	Lobby 3rd floor
11:00-12:30	Workshops	
12:30-14:00	Lunch	Dining room 1st floor
14:00-15:30	Workshops	
15:30-16:00	Coffee Break	Lobby 3rd floor
16:00-17:30	Workshops	
18:00-19:30	Opening Reception at University of Helsinki, Vice Dean Liselotte Sundström	Lehtisali 1st floor

Wednesday, June 15th

8:00-18:00	Registration (on site payment possible until 10:00)	Lobby 1st floor	
9:00-10:30	Opening and Keynote Session 1 Tiina Sarjakoski, Chair of Local Organising Committee Opening words: Vice Dean, Prof. Mari Vaattovaara, University of Helsinki Keynote: Menno-Jan Kraak Chair: Tapani Sarjakoski	Room: Suuri juhlasali	
10:30-11:00	Coffee Break	Etulämpiö 2nd floor	
11:00-12:00	Maps of the Future and the Future of Maps – Panel Discussion Chair: Martin Raubal	Room: Suuri juhlasali	
12:00-14:00	Lunch	Dining room 1st floor	
14:00-15:30	Session 1 Spatial Analysis on Crowdsourced Data Chair: Maribel Yasmina Santos Room: Sali 13	Session 2 Cognitive and Computational Aspects of Spatial Concepts Chair: Marinos Kavouras Room: Pieni juhlasali	Session 3 Systems and Methods for Spatial Analysis Chair: Hardy Pundt Room: Sali 12
15:30-16:00	Coffee Break	Lobby 4th floor	
16:00-17:30	Session 4 Spatial and Spatiotemporal Data Analysis Chair: Werner Kuhn Room: Sali 13	Session 5 Collection and Analysis of Spatial Data Chair: Marek Baranowski Room: Sali 12	Session 6 User Generated Content Chair: Juha Oksanen Room: Pieni juhlasali
19:00-20:30	Welcome Reception at Helsinki City Hall, Deputy Mayor of Real Estate and City Planning Anni Sinnemäki		

Thursday, June 16th

8:00-18:00	Registration (on site payment possible until 10:00)	Lobby 1st floor		
9:00-10:00	Keynote Session 2: Shaowen Wang Chair: Tapani Sarjakoski	Room: Suuri juhlasali		
10:00-10:30	Coffee Break	Etulämpiö 2nd floor		
10:30-12:30	Session 7 Mobility of Persons and Objects Chair: Rob Weibel Room: Sali 13	Session 8 Lidar Data and Point Clouds Chair: Wolfgang Reinhardt Room: Sali 12	Session 9 Spatial Data Quality and Visualization Chair: Alexis Comber Room: Pieni juhlasali	Session 10 Geospatial Applications Chair: Tuuli Toivonen Room: Sali 10
12:30-14:00	Lunch	Dining room 1st floor		
14:00-15:00	AGILE Annual Meeting	Room: Pieni juhlasali		
15:00-16:00	Coffee Break	Lobby 2nd floor	Poster Session Chair: Fred Toppen Lobby 2nd floor	
16:00-17:50	Session 11 Volunteered Geographic Information Chair: Ali Mansourian Room: Pieni juhlasali	Session 12 Spatial Data Modelling and Visualization Chair: Dirk Burghardt Room: Sali 13	Session 13 Methods for Terrain and Regional Analysis Chair: Lars Bernard Room: Sali 12	Session 14 Education and Spatial Thinking Chair: Kirsi Virrantaus Room: Sali 10
19:30-23:00	Gala Dinner at Restaurant Saaristo			

Friday, June 17th

8:00-14:30	Registration	Lobby 1st floor
9:00-10:00	Keynote Session 3: Niina Käyhkö Chair: Tapani Sarjakoski	Room: Suuri juhlasali
10:00-10:30	Coffee Break	Lobby 4th floor
10:30-12:00	Session 15: Best Paper Award Session Chair: Martin Raubal	Room: Pieni juhlasali
12:00-12:30	Closing, Awards, Presentation of the Next Conference	Room: Pieni juhlasali
12:30-14:00	Lunch	Dining room 1st floor

Panel Discussion		Room: Suuri Juhlasali
Maps of the Future and the Future of Maps		
Chair: Martin Raubal		
	Menno-Jan Kraak	ICA, University of Twente
	Harvey Miller	Ohio State University
	Mike Gould	Esri Education, Universitat Jaume I
	Paula Ahonen-Rainio	Aalto University
Parallel Session 1		Room: Sali 13
Spatial Analysis on Crowdsourced Data		
Chair: Maribel Yasmina Santos		
#1	Presenting Citizen Engagement Opportunities Online: The Relevancy of Spatial Visualization	Thore Fechner and Christian Kray
#2	An analysis of tagging practices and patterns in urban areas in OpenStreetMap	Nikola Davidovic, Peter Mooney and Leonid Stoimenov
#3	Geo-Privacy Beyond Coordinates	Grant McKenzie, Krzysztof Janowicz and Dara Seidl
#4	Identification of disaster-affected areas using exploratory visual analysis of georeferenced Tweets: application to a flood event	Valentina Cerutti, Georg Fuchs, Gennady Andrienko, Natalia Andrienko and Frank Ostermann
Parallel Session 2		Room: Pieni juhlasali
Cognitive and Computational Aspects of Spatial Concepts		
Chair: Marinos Kavouras		
#1	A Computational Model for Context and Spatial Concepts	Juergen Hahn, Paolo Fogliaroni, Andrew U. Frank and Gerhard Navratil
#2	Inferring Complex Geographical Concepts with Implicit Geometries Using Ontologies: A Case of Peninsulas	Xiang Zhang, Tinghua Ai and Jantien Stoter
#3	Deriving the Geographic Footprint of Cognitive Regions	Frank
#4	Measuring Space-Time Prism Similarity Through Temporal Profile Curves	Harvey J. Miller, Martin Raubal and Young Jaegal
Parallel Session 3		Room: Sali 12
Systems and Methods for Spatial Analysis		
Chair: Hardy Pundt		
#1	Question-Based Spatial Computing – A Case Study	Behzad Vahedi, Werner Kuhn and Andrea Ballatore
#2	Extracting Fine-grained Implicit Georeferencing Information from Microblogs Using Crowdsourced Gazetteers and Social Interactions	Laura Di Rocco, Giovanna Guerrini, Barbara Catania, Tiziano Cosso and Michela Bertolotto
#3	The influence of geocoding level and definition of geographic context variables on historical demographic analyses	Karolina Pantazatou, Finn Hedefalk, Lars Harrie and Luciana Quaranta
#4	SensorWeb Semantics on MQTT for responsive Rainfall Recharge Modelling	Alexander Knoch, Hermann Klug, Paul White and Steffen Reichel
Parallel Session 4		Room: Sali 13
Spatial and Spatiotemporal Data Analysis		
Chair: Werner Kuhn		
#1	Enhancing Exploratory Analysis by Summarizing Spatiotemporal Events Across Multiple Levels of Detail	Ricardo Almeida Silva, João Moura Pires, Maribel Yasmina Santos and Nuno Datia
#2	Clustering and Analyzing Air Pollution Data Using Self-Organizing Maps	Minji Maria Lee, Enrico Steiger and Alexander Zipf
#3	From a CityGML to an ontology-based approach to support preventive conservation of built cultural heritage	Olga Zalamea, Jos Van Orshoven and Thérèse Steenberghen

#4	Open data for accessibility and travel time analyses: Helsinki Region Travel Time and CO2 Matrix 2015	Henrikki Tenkanen, Vuokko Heikinheimo, Olle Järvi, Maria Salonen and Tuuli Toivonen
----	---	---

Parallel Session 5 Room: Sali 12

Collection and Analysis of Spatial Data

Chair: Marek Baranowski

#1	GeoPipes Using GeoMQTT	Stefan Herle and Jörg Blankenbach
#2	Spatial Services in the eGovernment: Delivering WFS and WMS Queries through the Data Exchange Layer of the Finnish National Architecture for Digital Services	Pekka Latvala, Lassi Lehto and Teijo Kalliomäki
#3	Estimating and editing transit topology over the road graph using supply data feeds	Mark Dimond, Neil Taylor and Robert Houghton
#4	An analysis of the form of urban areas in Europe using spatial metrics	Poulicos Prastacos and Apostolos Lagarias

Parallel Session 6 Room: Pieni juhlasali

User Generated Content

Chair: Juha Oksanen

#1	Modelling Spatial Patterns of Outdoor Physical Activities Using Mobile Sports Tracking Application Data	Rusne Sileryte, Pirouz Nourian and Stefan van der Spek
#2	Extracting Semantics of Places from User Generated Content	Heidi Hobel and Paolo Fogliaroni
#3	#hylo – Privacy Preserving Geosocial Network for Sharing Hyperlocal Information on a Map	Mikko Rönneberg, Hanna-Marika Halkosaari, Mari Laakso, Eero Hietanen, José Vallet, Pyry Kettunen and Tapani Sarjakoski
#4	Assessing people travel behavior using GPS and open data to validate neighbourhoods characteristics	Matilde Oliveti, Stefan van der Spek and Wilko Quak

Parallel Session 7 Room: Sali 13

Mobility of Persons and Objects

Chair: Rob Weibel

#1	Learning On-Street Parking Maps from Position Information of Parked Vehicles	Fabian Bock, Jiaqi Liu and Monika Sester
#2	Visual exploration of multivariate movement events in space-time cube	Linfang Ding, Jukka M. Krisp, Liqiu Meng, Guohui Xiao and Andreas Keler
#3	Estimating the Biasing Effect of Behavioural Patterns on Mobile Fitness App Data by Density-Based Clustering	Cecilia Bergman and Juha Oksanen
#4	Personalizing Walkability – A Concept for Pedestrian Needs Profiling Based on Movement Trajectories	David Jonietz
#5	A Two-Tiered Approach to OSM Data Collection for Novice Users	Adam Rousell, Stefan Hahmann and Amin Mobasheri

Parallel Session 8 Room: Sali 12

Lidar Data and Point Clouds

Chair: Wolfgang Reinhardt

#1	Feature-Aware Surface Interpolation of Rooftops Using Low-Density Lidar Data for Photovoltaic Applications	René Buffat
#2	Laser scanning in modelling changes in vegetation – added value for existing data sets	Ninni Saarinen, Mikko Vastaranta, Markus Holopainen, Juha Hyypä and Hannu Hyypä
#3	Using a linear octree to identify empty space in indoor point clouds for 3D pathfinding	Tom Broersen, Florian W. Fichtner, Erik J. Heeres, Ivo de Liefde, Olivier B. P. M. Rodenberg, Edward Verbree and Robert Voûte
#5	Semi-automated landslide mapping from historical and recent aerial photography	Daniel Hölbling, Harley Betts, Raphael Spiekermann and Chris Phillips

Parallel Session 9

Room: Pieni juhlasali

Spatial Data Quality and Visualization

Chair: Alexis Comber

- | | | |
|----|---|--|
| #1 | Representation and Visualization of Imperfect Geohistorical Data About Natural Risks: A Qualitative Classification and its Experimental | Cécile Saint-Marc, Marlène Villanova-Oliver, Paule-Annick Davoine, Cicely Pams Capoccioni and Dorine Chenier |
| #2 | Visualizing Location Uncertainty on Mobile Devices: Assessing Users' Perception and Preferences | Champika Manel Ranasinghe and Christian Kray |
| #3 | Conflict in Pedestrian Networks | Jia Wang, Zena Wood and Mike Worboys |
| #4 | Development of new open and free multi-temporal global population grids at 250 m resolution | Sergio Freire, Kytt MacManus, Martino Pesaresi, Erin Doxsey-Whitfield and Jane Mills |
| #5 | What to put where? Extending the p-median problem to consider multiple facilities, multiple sizes and associated resource needs | Alexis Comber, Jen Dickie, David Elston and David Miller |

Parallel Session 10

Room: Sali 10

Geospatial Applications

Chair: Tuuli Toivonen

- | | | |
|----|---|--|
| #1 | Towards Automated GIS-based Analysis of Scoring Attempt Patterns in Association Football | Gilbert Kotzbek, Wolfgang Kainz |
| #2 | Probabilistic Framework for Modelling the Evolution of Geomorphic Features in 10,000-Year Time Scale: The Eurajoki River Case | Jari Pohjola, Jari Turunen, Tarmo Lipping and Ari T. K. Ikonen |
| #3 | An Interactive GIS-Tool for Collaborative Local Renewable Energy Planning | Johannes Flacke and Cheryl de Boer |
| #4 | Smart Cities and new professional opportunities: the Geographic Information Manager | Sergio Farruggia and Monica Sebillio |
| #5 | A method for integrity assessment of information in a worldwide maritime localization system | Clément Iphar, Aldo Napoli and Cyril Ray |

Parallel Session 11

Room: Pieni juhlasali

Volunteered Geographic Information

Chair: Ali Mansourian

- | | | |
|----|--|---|
| #1 | Analyzing Phenological Synchronicity Using Volunteered Geographic Information | Hamed MehdiPoor, Raul Zurita-Milla, Ellen-Wien Augustijn and Arnold Van Vliet |
| #2 | Android-Based Multi-Criteria Evaluation Approach for Enhancing Public Participation for a Wind Farm Site Selection | Pece V. Gorsevski and Alberto Manzano Torregrosa |
| #3 | Using VGI for analyzing activities and emotions of locals and tourists | Eva Hauthal and Dirk Burghardt |
| #4 | How to recruit and motivate users to utilize VGI-systems? | Sarah Composto, Jens Ingensand, Marion Nappez, Olivier Ertz, Daniel Rappo, Rémi Bovard, Ivo Widmer and Stéphane Joost |
| #5 | An Automatic Approach for Building Place-Name Datasets from the Web | Ying Zhang, Yao-Yi Chiang, Craig Knoblock, Chaopeng Li, Liming Du, Shaowen Liu and Sanjay Singh |

Parallel Session 12

Room: Sali 13

Spatial Data Modelling and Visualization

Chair: Dirk Burghardt

- | | | |
|----|---|--|
| #1 | Continuous Generalization of Administrative Boundaries Based on Compatible Triangulations | Dongliang Peng, Alexander Wolff, and Jan-Henrik Haurert |
| #2 | Modeling transitions between syntactic variants in the dialect continuum | Péter Jeszenszky and Robert Weibel |
| #3 | Automatic Delineation of Polling Station Areas Using Legal Texts | Didier Josselin, Soumaya Yahiaoui, Eric San Juan and Christele Marchand-Lagier |

#4	Helical time representation to visualize return-periods of spatio-temporal events	Jacques Gautier, Paule-Annick Davoine and Claire Cuntly
#5	3D-GIS Heritage City Model: Case Study of the Historical City of Leiria	Luisa M.S. Gonçalves, Andreia Almeida, Ana P. FALCÃO and Sónia ILDEFONSO

Parallel Session 13 Room: Sali 12

Methods for Terrain and Regional Analysis

Chair: Lars Bernard

#1	Mapping gullies using terrain-surface roughness	Karolina Korzeniowska and Oliver Korup
#2	Automatic Workflow Composition in the Geospatial Domain: An Application on Sea-Level Rise Impacts Analysis	Samih Al-Areqi, Anna-Lena Lamprecht and Tiziana Margaria
#3	Target-specific digital soil mapping supporting spatial planning in Hungary	Katalin Takács, Gábor Szatmári, Zsófia Bakacsi, Annamária Laborczi, József Szabó, Tibor Tóth and László Pásztor
#4	OPTIDENS: a simulation model to explore the sustainable forms of accessibility for the urban territories	Cyrille Genre-Grandpierre, Alena Melnikava and Philippe Michelin

Parallel Session 14 Room: Sali 10

Education and Spatial Thinking

Chair: ~~Kirsi Virranta~~ Paula Ahonen-Rainio

#1	Evaluation of the usability of spatial thinking components (concepts, representation tools, and reasoning tools) in educational scenarios	Alkyoni Baglatzi, Athanasia Darra, Marinos Kavouras, Margarita Kokla and Eleni Tomai
#2	Developing a Study Aptitude Test for International Distance Education Students of Geoinformation Science and Earth Observation	Parya Pasha Zadeh, Ellen-Wien Augustijn and Marie-Jose Verkroost
#3	Investigating the Influence of Spatial Thinking in Problem Solving	Christos Charcharos, Margarita Kokla and Eleni Tomai
#4	Spatio-Temporal Discussion Board	Gustavo Adolfo García Chapeton and Frank Ostermann

Best Paper Award Session Room: Pieni juhlasali

Chair: Martin Raubal

Best Full Paper

#1	Critical Situation Monitoring at Large Scale Events from Airborne Video based Crowd Dynamics Analysis <i>Alexander Almer, Roland Perko, Helmut Schrom-Feiertag, Thomas Schnabel and Lucas Paletta</i>
#2	Cross-linkage between Mapillary Street Level Photos and OSM Edits <i>Levente Juhász and Hartwig H. Hochmair</i>
#3	Spatial Data Relations as a Means to Enrich Species Observations from Crowdsourcing <i>Stefan Wiemann</i>

Best Short Paper

#4	Sonorous Cartography for Sighted and Blind People <i>Didier Josselin, Abdelbery Saidi, Dorian Roussel, Said Boularouk, Olivier Bonin, Eitan Altman and Driss Matrouf</i>
#5	Full Meta Objects for Flexible Geoprocessing workflows: profiling WPS or BPMN? Julian Rosser, Amir Pourabdollah, Roger Brackin, Mike Jackson and Didier Leibovici

AGILE' 2016

19th AGILE International Conference
on Geographic Information Science

Workshops on Tuesday, June 14th 2016

UNIVERSITY OF HELSINKI, Fabianinkatu 33

Workshop	Room
3rd AGILE Workshop on Geogames and Geoplay	Sali 16
Automated generalisation for ondemand mapping	Auditorium IV
CCM2 River and Catchment Database for Europe – Applications	Sali 4
Code Loves Maps: Cartographically Oriented Programming Environments	Auditorium II
GI-N2K Workshop and plugfest: Back-to-back @AGILE-2016	Auditorium III
GIS with NoSQL	Sali 14
Link-VGI: LINKing and analyzing Volunteered Geographic Information (VGI) across different platforms	Sali 8
Visually-Supported Computational Movement Analysis	Sali 15

AGILE' 2016

19th AGILE International Conference
on Geographic Information Science

14-17 June 2016, Helsinki, Finland

AGILE Association of Geographic Information
Laboratories in Europe

UNIVERSITY OF HELSINKI
Fabianinkatu 33

Room: Sali 15
Room: Pieni juhlasali
Room: Sali 14
Lobby
Room: Sali 16

Helsinki University Museum
Room: Sali 13
Room: Sali 12
Room: Sali 10
Room: Sali 8
Room: Sali 4

Room: Auditorium III
Room: Auditorium IV
Room: Auditorium II

Room: Takalämpö
Room: Suuri juhlasali
Room: Etulämpö
Room: Lehtisali

Lobby - Poster exhibition

 Toilet
 Lift

Accessible entrance
Main entrance
Lobby - Registration
Dining room
Café

