

**Thursday, May 12<sup>th</sup>**

08:00 – 09:00 Registration

09:00 – 09:15 Welcome & Opening

09:15 – 10:15 Invited Talk:

*Location Awareness: Potential Benefits and Risks* by Vidal Ashkenazi

10:15 – 10:45 Coffee-Break

10:45 – 12:15 Session A: Context Information Management and Distribution

chaired by John Krumm

*Context Modelling and Management in Ambient-aware Pervasive Environments*

Maria Strimpakou, Ioanna Roussaki, Carsten Pils, Michael Angermann, Patrick Robertson,  
Miltiades Anagnostou

*A Context Architecture for Service-Centric Systems*

Johanneke Siljee, Sven Vintges, Jos Nijhuis

*Towards Realizing Global Scalability in Context-Aware Systems*

Thomas Buchholz, Claudia Linnhoff-Popien

12:15 – 13:45 Lunch

13:45 – 15:15 Session B: Positioning Sensor Systems I - chaired by Gaetano Boriello

*Towards LuxTrace: Using solar cells to measure distance indoors*

Julian Randall, Oliver Amft, Gerhard Tröster

*Three Step Bluetooth Positioning*

Alessandro Genco

*MoteTrack: A Robust, Decentralized Approach to RF-Based Location Tracking*

Konrad Lorincz, Matt Welsh

Session C: Bayesian Networks - chaired by Mike Hazas

*Classifying the Mobility of Users and the Popularity of Access Points*

Minkyong Kim, David Kotz

*Prediction of Indoor Movements Using Bayesian Networks*

Jan Petzold, Andreas Pietzowski, Faruk Bagci, Wolfgang Trumler, Theo Ungerer

*Geo Referenced Dynamic Bayesian Networks for User Positioning on Mobile Systems*

Boris Brandherm, Tim Schwartz

15:15 – 15:45 Coffee-Break

15:45 – 17:15 Session D: Positioning Sensor Systems II - chaired by Thomas Strang

*Correcting GPS Readings from a Tracked Mobile Sensor*

Richard Milton, Anthony Steed

*Web-Enhanced GPS (short)*

Ramaswamy Hariharan, John Krumm, Eric Horvitz

*The COMPASS Location System (short)*

Frank Kargl, Alexander Bernauer

*The xPOI Concept (short)*

Jens Krösche, Susanne Boll

Session E: Context Inference - chaired by Claudia Linnhoff-Popien

*Context-Aware Collaborative Filtering System: Predicting the User's Preference in the Ubiquitous Computing Environment*

Annie Chen

*Mobile Context Inference Using Low-Cost Sensors*

Evan Welbourne, Jonathan Lester, Anthony LaMarca, Gaetano Borriello

*Where am I: Recognizing On-Body Positions of Wearable Sensors*

Kai Kunze, Paul Lukowicz, Holger Junker, Gerhard Tröster

17:30 – 21:30 Social Event incl. Shuttle

**Friday, May 13<sup>th</sup>**

08:00 – 09:00 Registration & Shuttle from Hotels & Train

09:00 – 10:30 **Session G: Positioning Sensor Systems III** - chaired by Axel Küpper

*The GETA Sandals: A Footprint Location Tracking System*

Kenji Okuda, Shun-yuan Yeh, Chon-in Wu, Keng-hao Chang, Hao-hua Chu

*Improving the Accuracy of Ultrasound-based Localisation Systems*

Hubert Piontek, Matthias Seyffer, Jörg Kaiser

*Position Estimation of Wireless Access Point using Directional Antennas*

Hirokazu Satoh, Seigo Ito, Nobuo Kawaguchi

**Session H: Privacy** - chaired by Peter Hart

*Context obfuscation for privacy via ontological descriptions*

Ryan Wishart, Karen Henriksen, Jadwiga Indulska

*Share the Secret: Enabling Location Privacy in Ubiquitous Environments*

C. Delakouridis, L. Kazatzopoulos, G. F. Marias, P. Georgiadis

*Filtering Location-Based Information Using Visibility*

Ashweeni Beeharee, Anthony Steed

10:30 – 11:00 Coffee-Break

11:00 – 12:30 **Session I: From Location to Context** - chaired by Aaron Quigley

*Exploiting Multiple Radii to Learn Significant Locations*

Norio Toyama, Takashi Ota, Fumihiko Kato, Youichi Toyota, Takashi Hattori, Tatsuya Hagino

*Commonsense Spatial Reasoning For Context Aware Pervasive Systems (short)*

Stefania Bandini, Alessandro Mosca, Matteo Palmonari

*Contextually Aware Information Delivery in Pervasive Computing Environments (short)*

Ian Millard, David De Roure, Nigel Shadbolt

*Issues and Requirements for Bayesian Approaches in Context Aware Systems (short)*

Michael Angermann, Patrick Robertson, Thomas Strang

**Session J: Location- and Context-Aware Applications** - chaired by Tom Pfeiffer

*Introducing Context-Aware Features into Everyday Mobile Applications*

Mikko Perttunen, Jukka Riekk

*Predicting Location-Dependent QoS for Wireless Networks*

Robert Malaney, Ernesto Exposito, Xun Wei, Dao Trong Nghia

*Location-Based Services for Scientists in NRENs (short)*

Stefan Winter, Thomas Engel

12:30 – 14:00 Lunch

14:00 – 15:30 **Session F: Hybrid Positioning and User Studies** - chaired by Gerard Lachapelle

*Towards Smart Surroundings: Enabling Techniques and Technologies for Localization*

Kavitha Muthukrishnan, Maria Lijding, Paul Havinga

*Impact of Location-Awareness on Rendezvous Behaviour and Communication*

David Dearman, Kirstie Hawkey, Kori Inkpen

*Proximation: Location-awareness through sensed proximity and GSM estimation*

Aaron Quigley, David West

15:30 – 15:45 Closing

**Wednesday, May 11<sup>th</sup>**

13:00 – 16:00 Tour through the German Aerospace Center (optional, free of charge)

Meeting point: GSOC Entrance Hall

Registration mandatory by <mailto:jutta.uelner@dlr.de>