

# The International Workshop on Privacy-Aware Location-based Mobile Services (PALMS'07)

In conjunction with MDM

May 11, 2007, Mannheim, Germany

## CALL FOR PAPERS

### Co-Organizers

**Matt Duckham**  
U. of Melbourne, Australia  
**Mohamed F. Mokbel**  
U. of Minnesota, USA  
**Silvia Nittel**  
U. of Maine, USA

### PC Members

**Walid Aref**  
Purdue University, USA  
**Vijay Atluri**  
Rutgers University, USA  
**Louise Barkhuus**  
U. of Glasgow, UK  
**Alastair Beresford**  
U. of Cambridge, UK  
**Elisa Bertino**  
Purdue University, USA  
**Claudio Bettini**  
U. of Milan, Italy  
**John Canny**  
U. of California, Berkeley  
**Reynold Cheng**  
Hong Kong Polytechnic U., HK  
**Max J. Egenhofer**  
U. of Maine, USA  
**Bugra Gedik**  
IBM Watson, USA  
**Marco Gruteser**  
Rutgers University, USA  
**Urs Hengartner**  
U. of Waterloo, Canada  
**Eija Kaasinen**  
VTT, Technical Research  
Centre of Finland  
**Panos Kalnis**  
National U. of Singapore,  
Singapore  
**John Krumm**  
Microsoft Research, USA  
**Lars Kulik**  
U. of Melbourne, Australia  
**Marc Langheinrich**  
ETH Zurich, Switzerland  
**Ling Liu**  
Georgia Tech, USA  
**Xuan Liu**  
IBM Watson, USA  
**Vashek Matyas**  
Masaryk U., Czech Republic  
**Dimitris Papadias**  
Hong Kong U. of Science and  
Technology, HK  
**Loren Terveen**  
U. of Minnesota, USA  
**Jianliang Xu**  
Hong Kong Baptist U., HK  
**Donghui Zhang**  
Northeastern U., USA

### Webmaster

**Chi-Yin Chow**  
U. of Minnesota, USA

### Theme of the Workshop

Combining the functionality of location-aware devices, wireless and cellular phone technologies, and data management results in enabling a new era of location-based mobile services that aim to provide personalized services to their customers based on their current locations. Examples of such services include location-aware emergency service, location-based advertisement, live traffic reports, and location-based store finder. Although location-based services promise safety and convenience, they threaten the privacy and security for their customers as they rely mainly on the knowledge of their customers' location information. The current model of location-based services trades the customers' privacy with the service. If a user wants to keep her private location information, she has to turn off her location-aware device and temporarily unsubscribe from the service. Recent social studies show that customers become more privacy-aware as they tend to avoid using location-based services in order to keep their privacy. As a result, there is a real concern that the privacy issues may hinder the technological advances in location-based services.

### Workshop Goals

Location privacy is a cross cutting area as it crosses social science, communications, location-based services, databases, and security. The main goal of the workshop is to gather scientists from these areas together to foster the collaboration among such interdisciplinary areas and sparkle discussion on open topics related to location privacy.

The workshop aims to address the location privacy from different aspects, starting from social studies of users concerns, going through different models of representing location privacy, location anonymization techniques, imprecise locations, query processing for private or imprecise location data, and ending with a study of various attack models for private location data. The workshop aims also to discuss location privacy in various environments that include using GPS, RFID, or sensor networks. The workshop will be organized in a way to allow close interaction among participants and to sparkle discussions and thoughts among various research communities.

### Workshop Scope

The scope of this workshop includes but is not limited to the following topics:

- **Context-aware Privacy**
- **Geoprivacy**
- **Imprecision in Mobile Computing**
- **Legislative Approaches for Protecting Location Privacy**
- **Location Anonymity Techniques**
- **Models for Simultaneous Provision of Security and Privacy**
- **Non-intrusive Location Tracking**
- **Privacy Attack Models**
- **Privacy in Sensor Networks**
- **Privacy in Ubiquitous Computing**
- **Query Processing for Private Location Data**
- **Social Studies for Location Privacy**
- **User Perceptive to Location Privacy**

### Paper Submissions

All submissions must be original unpublished work written in English that is currently not under review at another venue. Accepted papers will be published in IEEE workshop proceedings as 5 pages in IEEE style format. At least one of the authors of the accepted paper must register for the workshop and present the paper. Submissions of novel ideas and positions that can spark discussion among the attendees are strongly encouraged. Papers must be submitted to [palms07@cs.umn.edu](mailto:palms07@cs.umn.edu) by e-mails. Authors of best workshop papers will be invited to revise and extend their submission to a special issue of the Journal of Location-based Services.

### Important Dates (Tentative)

**Submission deadline: February 20, 2007 11:59PM (PST)**

**Notification: March 25, 2007**

**Camera-ready due: March 30, 2007**

**Workshop date: May 11, 2007**