

IWSSI SPMU 2009



May 11, 2009 - Nara, Japan
co-located with Pervasive 2009

<http://iwssi2009.cs.univie.ac.at>

Mobile devices in general, and mobile phones in particular, present unique challenges not only in terms of user interface, battery life, and form factor, but also in terms of ensuring their users' privacy and security. Privacy and security are often in conflict with another and have been the topic of many research projects. Emerging mobile payment and ticketing solutions require the secure transmission and storage of financial information, while electronic health records or access certificates/tokens might imply the use of highly sensitive personal information on such devices. Securing the potentially massive amount of interactions using mobile devices is difficult, because typically there will be no a priori shared information such as passwords, addresses, or PIN codes between the phone, its user, and the service they want to use. Additionally, mobile devices often lack powerful user interfaces to support classical authentication methods.

The 2nd International Workshop on Security and Privacy in Spontaneous Interaction and Mobile Device Use (IWSSI/SPMU'09) provides a forum to discuss these challenges and to put forward an agenda for future research. The workshop is intended to foster cooperation between research groups and to establish a highly connected research community. Authors of selected workshop submissions will be invited to submit an extended version to a special issue in a renowned international journal.

Important Dates:

Full Paper Submission

February 10, 2009

Notification

March 01, 2009

Camera-ready Deadline

April 01, 2009

Topics of Interest

- Authentication methods for device pairing or user authentication
- Sensor-, context-, and location-based authentication methods
- Authorization, access control, and trust management
- Logging and auditing of spontaneous mobile device interactions
- Network and system models
- Security and privacy of mobile phone users
- Security and privacy issues in mobile phone networks
- Privacy and anonymous/pseudonymous interactions
- User interfaces and models for user interaction on mobile devices
- Making use of spontaneous interaction in applications
- Public perception of security and privacy issues of mobile phones
- Legal and social issues of security and privacy for mobile phones
- Options for lawful, auditable, and restricted tracking and surveillance using mobile phones in law enforcement

Organizing Committee:

Rene Mayrhofer (University of Vienna, Austria)
Marc Langheinrich (University of Lugano/USI, Switzerland)
Alexander De Luca (LMU Munich, Germany)

Program Committee: Alastair Beresford (University of Cambridge, UK), Srdjan Capkun (ETH Zurich, CH), Pieter Hartel (University of Twente, NL), Jaap-Henk Hoepman (Radboud University Nijmegen, NL), John Krumm (Microsoft Research Redmond, US), Jonathan M. McCune (Carnegie Mellon University, US), Kaisa Nyberg (Helsinki University of Technology and NOKIA, FI), Frank Stajano (University of Cambridge, UK), Ersin Uzun (University of California, Irvine, US), Alexander Varshavsky (AT&T Labs, US), Ford-Long Wong (University of Cambridge, UK)

Submission Categories

Full papers: We solicit novel contributions of up to 6 pages (see the workshop website for format details) on any of the topics of interest or related areas. These papers must not significantly overlap with other papers previously published or submitted for publication elsewhere. Accepted papers will be published online on the IWSSI/SPMU09 website. Authors of selected submissions will also be invited to submit an extended version to a special issue in a renowned international journal.

Position papers: Position papers should be no longer than 2 pages and may present already published work in the context of this workshop, work in progress, as well as ideas and concepts for future research.

Contributions must be sent by email to iwssi@lists.inf.ethz.ch no later than February 10, 2009, and should be in PDF format. If you have any questions, we encourage you to contact the organizers at the above email address.