

Call for Papers

5th International Workshop on Privacy in UbiComp

- *Technologies, Users, Policy* -

www.vs.inf.ethz.ch/events/uc07privacy/

Organized by

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Description of the Workshop and Call Details

Ubiquitous Computing, with its promise of pervasive and invisible sensing, extensive and persistent data storage, and intensive data mining and usage, has the potential to become a serious threat to personal privacy. Privacy-enhancing solutions in technical, social, and legal areas are needed to guide the development of Ubiquitous Computing in a socially acceptable direction. Since 2002, the workshop on Privacy in Ubiquitous Computing has focused on these issues as part of the UbiComp conference series. It has since become one of the primary sources for privacy research in Ubiquitous Computing.

The 2007 workshop will be grouped around three themes: technology, users, and policy. Renowned experts have agreed to summarize the current state-of-the-art in the respective areas and will present concise summaries for several relevant subtopics. This call solicits short research contributions and position papers that complement these summaries to present late-breaking work and novel discussion points in each of these areas. Topics of interest include (but are not limited to):

1. *Technology Challenges*

- What are the latest developments for protecting RFID-tags from unobserved scanning? What safeguards need to be considered for an RFID-infrastructure (i.e., with a view to the envisioned EPCglobal network)? Can such solutions be economically feasible?
- How can we protect privacy in location-based services? How can concepts such as k-anonymity and location granularity be used in practice? Are there economic models that support anonymous location systems?
- Will sensor networks raise privacy issues, and how can these be alleviated? Are there technical options for balancing the need for realistic measurements with individual privacy in such systems? What domains will benefit most from such solutions?

2. *The User Perspective*

- How can we design usable privacy interfaces in Ubiquitous Computing? Is explicit control an option, or should intelligent agents manage our privacy on our behalf?
- What are the latest insights into user perception of privacy in Ubiquitous Computing environments? How do users react to privacy enhancing technologies, and do they trust them? What steps must be taken, if any, to educate users?

3. *Legal and Policy Issues*

- What challenges does Ubiquitous Computing pose for privacy protection in Europe, the U.S., and worldwide? Are there first indicators/cases that illustrate future legal issues? How should policy balance privacy, security, and accountability in a world of smart devices? Is there a need for additional legislation/regulation?

Submissions should be no more than 6 pages (including references) in a two-column format. All submissions are reviewed by an international program committee (listed below) and selected based on their originality, credibility, and topical relevance. Accepted submissions will be published in the UbiComp Adjunct Proceedings and their authors invited to the workshop for presentations. Selected submissions will also be considered for publication in a special issue of the Springer journal "Personal and Ubiquitous Computing".

For additional information and detailed submission instructions, see the workshop homepage at www.vs.inf.ethz.ch/events/uc07privacy/

Important Dates:

June 08, 2007 – Extended Submission Deadline

July 02, 2007 – Acceptance Notification

July 13, 2007 – Camera-ready Version Due (Accepted Papers)

September 16, 2007 – Workshop at UbiComp (Innsbruck, Austria)

November 2007 – Revised Version for Journal Publication (Selected Papers)

Program Committee

Alessandro Acquisti, CMU, USA

Manfred Aigner, TU Graz, Austria

Gildas Avoine, MIT, USA

Alastair Beresford, University of Cambridge, UK

Benjamin Fabian, Humboldt University Berlin, Germany

Christian Floerkemeier, MIT, USA

Michael Friedewald, Fraunhofer ISI, Germany

Jens Grossklags, UC Berkeley, USA

Gus Hosein, London School of Economics & Privacy International, UK

Sozo Inoue, Kyushu University, Japan

Günther Karjoth, IBM Zurich Research Laboratory, Switzerland

Martin Meints, Independent Centre for Privacy Protection Kiel, Germany

David Molnar, UC Berkeley, USA

Silvia Nittel, University of Maine, USA

Adrian Perrig, CMU, USA

Stefan Sackmann, University of Freiburg, Germany

Pamela Samuelson, UC Berkeley, USA

Joao Sousa, George Mason University, USA

Dan Weitzner, MIT, USA

Holger Ziekow, Humboldt University Berlin, Germany

Invited Experts

Lorrie Cranor and Jason Hong, CMU, USA (*Privacy and Usability*)

Serge Gutwirth, Paul de Hert, and Anna Moscibroda, Free University Brussels, Belgium (*Legal Aspects*)

John Krumm, Microsoft Research, USA (*Location Privacy*)

Marc Langheinrich, ETH Zurich, Switzerland (*RFID*)

Sarah Spiekermann, Humboldt University Berlin, Germany (*Acceptance*)