

# IWSSI 2007: First International Workshop on Security for Spontaneous Interaction

co-located with Ubicomp 2007  
16. September 2007

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# Workshop aims

- Bring together researchers
- Identify research questions
  - Which have been solved recently?
  - Which are still open?
  - Which are the most important/urgent?
- Identify common ground and promising directions
- Define aims for future research
- Foster co-operation

# Workshop schedule

## 9:15-10:15: Session 1: "Device Pairing"

- **BEDA: Button-Enabled Device Pairing** (Claudio Soriente, Gene Tsudik, and Ersin Uzun)
- **Secure Ad-Hoc Pairing with Biometric: SAfE** (Ileana Buhan, Jeroen Doumen, Pieter Hartel, and Raymond Veldhuis)
- **Usability Testing for Secure Device Pairing in Home Networks** (Jukka Valkonen, Aleks Toivonen, and Kristiina Karvonen)

## 10:15-10:45: Panel 1: "Device Pairing"

10:45: Coffee break

## 11:00-12:00 Session 2: "User Authentication"

- **Adaptive Challenge Questions Algorithm in Password Reset/Recovery** (Farzaneh Asgharpour and Markus Jakobsson)
- **Using the mobile phone for two-factor authentication** (Anders Moen Hagalisletto and Arne Riiber)
- **Proximity-Based Authentication for Windows Domains** (Erwin Aitenbichler and Andreas Heinemann)

## 12:00-12:30: Panel 2: "User Authentication"

12:30: Lunch

13:30-14:00: Informal demonstrations, open discussions

# Workshop schedule

14:00-14:30: Key note (Tim Kindberg)

14:30-15:30: Session 3: "To trace or not to trace"

- **Implementing Wibree Address Privacy** (Jan-Erik Ekberg)
- **Using Semantic Reasoning and Privacy Policies in Ubiquitous Environments** (Oliver Jorns and Joachim Zeiss)
- **Probabilistic Approach for Location-Based Authentication** (Mikko Lehtonen, Florian Michahelles, and Elgar Fleisch)

15:30-16:00: Panel 3: "Privacy and traceability"

16:00: Coffee break

16:15-17:00: Summary of the days discussions (panel chairs):  
identified open issues, promising directions, intended future research

17:00: Closing

17:10: Workshop ends

# Questions for panels

- Which important research questions were identified in the last year?
- Which of them have been answered and which are still open?
- Did any new directions in research and commercial products appear recently?
- Which directions are promising for future research?
- Which do you intend to pursue in the near term?
- Within which time frame is it realistic to “solve” the problems?

# Session 1: Device Pairing

# Workshop closing

# Organisational remarks

Most important:

Workshop Reception & Conference Warm-Up (KDubiq Reception)

- Orangerie of the Congress Center, 200m from here
- 18:00 - 20:00



# The Future

SSI Wiki: <http://www.comp.lancs.ac.uk/iwssi2007/wiki/>

- Experiment, we'll see if it works
- Please send your slides

## IWSSI 2008

- If?
- When/where? (UbiComp 2008?)
- Same/different style?
- Who?

Thank you very much for all your  
contributions!