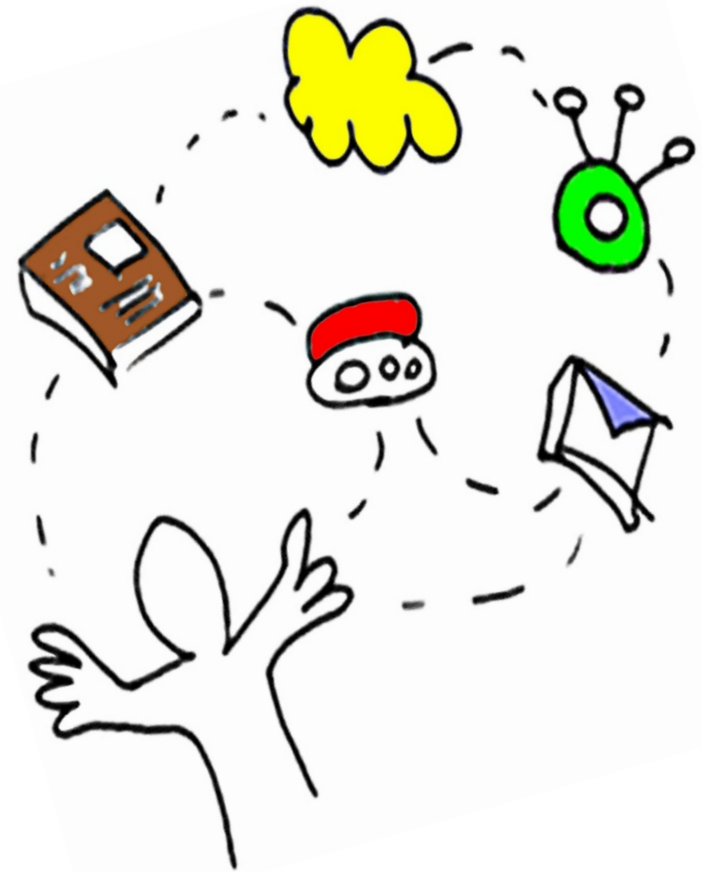


Ubiquitous Computing Seminar FS2015

**Topic: “Smart
Environments”**



**Friedemann Mattern,
Otmar Hilliges**

Ubiquitous Computing Seminar (Topic: "Smart Environments")



- Spring Semester 2015 (Tuesdays, 11:15 - 13:00, Room CAB G 52)
- One student presentation per week
- → Maximum of 12 ("active") students
- Start: Feb 17 (General introduction)
- First student talk: Feb 24
- **Today:**
Assignment of first topics to participants
+
Determine active participants (max 12)

Interested Students



- Mahdi Asadpour
- Tino Matthias Burri
- Margarita Grinvald
- Marcel Mohler
- Romy Profanter
- Hantao Zhao
- ...

Topics



- 1) **24.02.2014** Wi-Fi Backscatter: Battery-free internet connectivity to empower the Internet of Things (Anwar)
- 2) **03.03.2014** Seeing is believing: Proximity-based authentication (Hossein)
- 3) **10.03.2014** Shape-Changing Interfaces: Paper-like (Fabrizio)
- 4) **17.03.2014** Digital Content Creation for Seamless Augmented Reality (Gabor)
- 5) **24.03.2014** Hand Pose Estimation for continuous input applications (Karthik)
- 6) **31.03.2014** Gesture recognition for smartphones/wearables (Jie)
- 07.04.2014** EASTER HOLIDAYS
- 7) **14.04.2014** ICT for green: High frequency sensing and analysis of residential power consumption (Christian)
- 8) **21.04.2014** Smart Thermostats: How much can one really save? (Willi)
- 9) **28.04.2014** Inside a Smart Thermostat: What influences savings (Willi)
- 10) **05.05.2014** Computer Vision for mobile robots in GPS denied Areas (Tobias)
- 11) **12.05.2014** Semantic Localization of Indoor Places (Marian)
- 12) **29.05.2014** ??

Modus Operandi



- **For each topic:** \exists Tutor, \exists small set of starting papers,
→ expected: collect and consider complementary materials
- **Presentations:** \sim 45 minutes
 - followed by a technical discussion and
 - a short feedback session on the quality of the presentation
- **Written essay** on the topic
 - 5-8 pages
 - due in 3 weeks after the presentation
- **Participation in all sessions**
- **Grading:**
 - quality of the presentation
 - quality of the essay
 - participation in discussions