

EINLADUNG

Zeit: Montag, 19.11.2007, 10.00 Uhr

Ort: Raum 5052, Ahornstr. 55

Referent: Dr. Marc Langheinrich, ETH Zürich

Titel: Personal Security and Privacy in Ubiquitous Computing

Abstract:

Visions of future computing environments involve integrating tiny microelectronic processors and sensors into everyday objects in order to make them "smart." Today's technological trends like GPS-enabled mobile phones and RFID-tagged consumer items seem to herald a society where larger and larger parts of our lives will be digitized, in order to provide better services, cheaper goods, and improve health and safety.

At the same time, this potentially opens up our lives for others to inspect and search, creating a comprehensive surveillance network of unprecedented scale.

In my talk, I want to briefly summarize the technical developments behind ubiquitous computing, introduce both the social and legal background of personal security and privacy, and then proceed to discuss the challenges that these new technologies pose in this arena. I will use the example of an RFID privacy mechanism we developed at the ETH Zurich, based on shared secrets, for illustrating how we might have to adjust our current notions of personal privacy and security, in order to build privacy and security mechanisms that are useful, usable, and used.

Es laden ein: Die Dozenten der Informatik