



center for usability research & engineering



**uTrust[it]
Usable TRUST in the Internet of Things
CURE – Center for Usability Research &
Engineering**

SPEAKER's Corner:
ICT Call 5 and the potential of an enlarged Europe

01.07.2009

Project-Idea



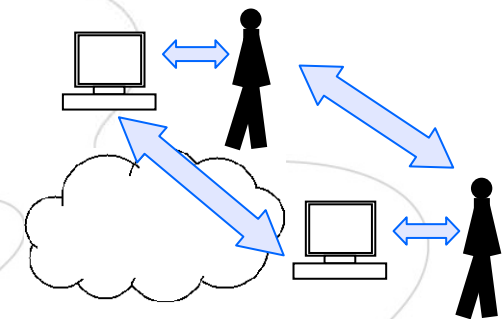
- **WHAT:** The project will close the loop of trust between psychological and technological layers of the internet of things by combining the various aspects of trust and security.
- **Objective:** 1.4 –Trustworthy ICT, Technology and Tools for Trustworthy ICT
- **WHY:** With objects becoming ubiquitous and integrated in our every-day life (i.e. the internet of things), the importance of validated trust chains increases dramatically. However trust chains are not limited to technology alone– they form a multidimensional connection that includes the trust of the user in technical components and the user’s trust in other people.

Project-Idea



• How:

- Close the loop of trust on the technological and psychological layers of the internet of things
- Create usable and trusted security by assuring
 - Security (technical property of the system)
 - Trustworthiness (user's possibility to trust) and
 - Trustedness (real user trust)
- Explore the impact of ubiquitous systems such as the internet of things on the human perception of trust
- Introduce a sophisticated model of human trust chains
- Investigate the technical challenges of usable trust chains
- Create trust-based patterns for the internet of things



Closing the loop of trust

Looking for...



- **Competences & Skills wanted**

Technical partners: Specialists in Trustworthy Computing and Security, Privacy Policy Experts, Experts in Ubiquitous Computing

- **Types of partners sought**

Industry, RTD center, University

- **Work to be performed**

Policy Management, Identity and Access Control Management, System Integration (infrastructures, platforms, trusted networks, ubiquitous infrastructures), Dissemination, Engineering, Network Infrastructures

Skills of the proposer



- **CURE - Organisation and expertise:**

CURE is an independent Austrian-based, non-profit research organisation. **CURE** is working on the next generation of user system interaction: HCI, HCI Security & Privacy, user experience and acceptance, user experience tools and techniques, technology adoption and diffusion.

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