



CALL FOR PAPERS Context-Awareness and Trust (CAT2010)

4th European Workshop on
Combining Context with Trust, Security, and Privacy
23-24 August 2010, Nice, France
<http://www.cat10.uni.lu>

Co-located with CENTRIC 2010
3rd Int. Conference on Advances in Human-oriented and
Personalized Mechanisms, Technologies, and Services
<http://www.iaria.org/conferences2010/CENTRIC10.html>

Important Dates

Papers : 30 March 2010
Notification: 25 April 2010

Camera ready: 22 May 2010
Workshop : 23-24 August 2010

Motivation. Context awareness –that is the quality of being aware of the physical/virtual environment or the circumstances that characterize a a situation or an entity– can intelligently guide the efficacy an application. It is integrated in the design of innovative user interfaces, as a part of ubiquitous and wearable computing, and in hybrid search engines. Context can affect a decision to trust as well as the insurance of security, and the control of privacy. The availability of context information offers new opportunities to establish, to enhance, and to manage trust, security & privacy . Moreover, the location of a user can have impact on which services or content are provided to the user; alternatively, the user’s current role or social context can determine the degree of trust others establish towards the user. This workshop support research on exploring the interdependencies between context-awareness and trust, security & privacy .

Scope. CAT2010, is an European event that follows the Context-Aware and Trust initiatives that have been running in the past years. It will offer scientists and engineers that are active in the areas of context-awareness and of security, privacy, and trust the opportunity to sit together and to discuss the state of the art, to identify open and emerging problems, to share research experiences, and to propose future research directions.

Topics. Contributions, divided into three categories, should focus on combining trust, security, and privacy with context. The following topics are intended, but not limited to:

Opportunities

- Context-aware architectures for trust, security & privacy
- Enhancements of trust, security & privacy with context information
- Context-aware and proximity trust-worthy services
- Formal aspects in context-aware trust, security & privacy
- Policy and ontologies for context-aware trust, security & privacy
- Human-centred approach to context-aware trust, security & privacy

Threats

- Socio-technical attacks to context-aware security
- Security and privacy in context-aware architectures (e.g., smart metering)
- Trust, security & privacy in context sources and data (e.g., location)
- User control over trust, security & privacy of context
- Contextual security in collaborative systems (e.g., reputation)
- Attacks to security and trust of context-aware services

Application domains

- Use cases and pilots for context-aware trust, security & privacy
- Usefulness and usability of context-aware trust, security & privacy
- Context-aware trust, security & privacy in Web applications
- Context-awareness in wifi and sensors networks
- Context and trust, security & privacy in smart environment and ubiquitous intelligence
- Social, legal, and psychological aspects of trust, security & privacy

Programme Committee

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- Daniele Riboni, (Univ. Milano, Italy)
- Nicola Zannone, (TU/e, The Netherlands)

Paper Submission. The topics suggested can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas. All tracks are open to both research and industry contributions, in terms of Regular papers, Posters, Work in progress, Technical/marketing/business presentations, Demos, Tutorials, and Panels. Submissions, in IEEE two columns format, consist of :

- Full papers (≤ 6 pp): high-quality research, case studies, and implementation experiences
- Short papers (≤ 4 pp): work-in-progress or properly motivated future research.

Please visit the our web site to read the submission conditions and guidelines. The workshop proceedings will be published by CSP, together with the main conference's proceedings. Extended versions of selected papers will be published in IARIA Journals.

Publications are archived with IEEE CSDL (Computer Science Digital Library) and IEEE Xplore and they will be submitted for indexing to Elsevier's EI Compendex Database, EI's Engineering Information Index. Other indexes are being considered, such as, INSPEC, DBLP, Thomson Reuters Conference Proceedings Citation Index.

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