



FINAL CALL FOR PAPERS

Context Awareness and Trust (CAT07) First International Workshop on Combining Context with Trust, Security, and Privacy

30 July 2007, Moncton, New Brunswick, Canada

<http://cat07.telin.nl>

Co-located with IFIPTM2007, joint iTrust and PST
Conferences on Privacy, Trust Management and Security

Important Dates

Papers (extended): ~~29th April 2007~~ 9th May 2007
Notification of Acceptance: 27th May 2007
Final version due: 17th June 2007

Scope

The CAT07 workshop aims to stimulate an active exchange of new ideas on interrelations between the area of context-awareness and the area of Trust, Security, and Privacy. The workshop aims to bring together scientists and engineers that are active in the area of context-awareness and in trust management, privacy and security. The workshop aims are to discuss state of the art, to identify open and emerging problems, to share research experiences, and to propose future research directions. We encourage not only researchers with a computer science background, but also researchers with a more user-centric background such as social sciences, behavioural science, and so on.

Topics

Relevant topics, divided into three categories, include but are not limited to:

Context and Trust, Security, and Privacy as an opportunity

- Context-aware architectures for trust, security, and privacy
- Enhancement of trust, security and privacy with context information
- Context-aware identity management and privacy enforcement
- Formal Aspects in Context-aware trust, security, and privacy
- Policy languages and ontologies for context-aware trust, security, and privacy

Context and Trust, Security, and Privacy as a threat

- Trust, security, and privacy of context and contextual data
- Trust, security, and privacy in context-aware architectures
- Trust, security, and privacy of context sources and information
- User control over trust, security, and privacy aspects of context-awareness
- Performance and scalability issues for trust, security, and privacy

Context and Trust, Security, and Privacy as application domains

- Use cases and pilots addressing context-aware trust, security, and privacy
- Usefulness and usability of context-aware trust, security and privacy
- Context-aware trust, privacy & security for the Semantic Web
- Context-aware trust, privacy & security for social media
- Social, economic, legal, and philosophical aspects of context-aware trust privacy & security

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 success or the development of an activity. It has be integrated in to 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 privacy. For example, new threats against security, privacy and trust go along with context-awareness, whilst the availability of context information also offers new opportunities to establish, to enhance and to manage trust, privacy and security. Moreover, the location of a user can have impact on which services or content are provided to the user, while alternatively, the user's current

role or social context can determine the degree of trust others establish towards the user. Until now the interdependencies between context-awareness on one side, and trust, privacy, and security on the other have not been sufficiently addressed. Factors contributing to investigate into their relationship include the vast expansion of sensor networks and the advancement of mobile computing, which entail new paradigms such as ubiquitous/pervasive computing, as well as ambient intelligence.

Paper Submission

Both theoretical and applied research papers are welcome. The workshop will consist of

- Full papers (≤ 12 pp): high-quality unpublished research, case studies, and implementation experiences
- Short papers (≤ 4 pp): motivated work-in-progress, ongoing and future research.

Please visit CAT07 web site to read submission conditions and guidelines

Proceedings

A preprinted version of the proceedings will available at the workshop. Accepted papers will be published in a post-workshop CEUR-WS volume.

Program Committee

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Konrad Wrona	SAP Research, France

Invited Speaker

We are planning to have an invited speaker. Please visit our web site.

Sponsors and Acknowledgement

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For more information please visit our web site <http://cat07.telin.nl>