



Context Awareness and Trust 2008

2nd International Workshop on
Combining Context with Trust, Security and Privacy

(Co-located with IFIPTM 2008, 16th June 2008, Trondheim - Norway)

Proceedings

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Preface

This volume contains the proceedings of the 2nd International Workshop on Context Awareness and Trust ([CAT08](#)) held on June 16th 2008 in Trondheim -Norway, and *co-located* the joint iTrust and PST conferences on Trust Management and Security ([IFIPTM 2008](#)).

As last year, the CAT08 workshop continues to stimulate an active exchange of new ideas on the bidirectional relationship between the area of *context awareness* and the area of *trust, security, and privacy*; it aims to bring experts together, to collect the state of the art, to identify open and emerging problems, and to propose future research directions.

The evolution of today's infrastructures towards more pervasive and ubiquitous context aware infrastructures raises new *challenges* and *new opportunities* regarding trust, security, and privacy. The focus on combining trust, security, and privacy with context awareness will bring new insights as well as provide an interesting playground for the IFIPTM community. In particular:

- The opportunity to *use context as an approach* to enhance privacy, trust or security seems an interesting, innovative, and value-adding extension to IFIPTM. For example, the availability of context information can help the establishment of trust relationship (users in the same room for the same meeting are more willing to trust each other more than users without visible contact). Moreover, contextual information can be used to improve *dynamic, adaptive, and autonomic aspects* of security, access control, and privacy control/enforcement.
- The opportunity to apply the results achieved in security, privacy, and trust to *strengthen context aware infrastructures and to facilitate the exchange of context information* is a challenge for IFIPTM community. For example, because context information often has a personal character, privacy and other rights of individuals must be carefully protected. Moreover, trust is an essential prerequisite for secure exchange and usage of context information at different quality levels.

Following the trend initiated last year, the CAT08 workshop has attracted the attention of researchers with a computer science and information & communication technology background, whose experiences root both in the academia and the industry.

In the current edition, four papers have been accepted for oral presentations out of a pool of six papers. Papers were reviewed by at least three reviewers of the program committee, and all selected papers are of high quality.

The articles in of this volume are representative of the current research activities on the topics of the workshop. Their contributions focus on the prediction of trust relationship using contextual information, on the analysis of requirements for identity management architectures, on approaches for privacy preserving in location-aware applications for mobile social networks and, finally, on the analysis of user behaviour with respect to privacy aspects in location-aware systems for social Interaction.

An on-line version of the present proceedings will be published by CEUR.org; it will also be available at the workshop website: <http://cat08.telin.nl>.

We would like to take this opportunity to thank people who contributed to the CAT08 workshop. We wish to thank the PC members, the reviewers, and in particular the authors for their valuable contributions. We wish them a successful continuation of their work in this area. Finally, we thank the organization of the IFIPTM 2008 conference with which this workshop was co-located.

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Table of Contents

Implementing Privacy as Symmetry in Location-aware Systems	1
<i>Anders Kofod-Petersen, Espen Klæboe, Jørgen Jervidalo, Kjetil Aaltvedt, Magnus Romnes and Trond Martin Nyhus</i>	
Towards using contextual information to learn trust metric in social networks: A Proposal	11
<i>Marcin Sydow</i>	
Requirements Analysis for Identity Management in Ambient Environments: The HYDRA Approach	17
<i>Hasan Akram and Mario Hoffmann</i>	
Persistent Authentication in Smart Environments	31
<i>Mads Syska Hansen, Martin Kirschmeyer and Christian Damsgaard Jensen</i>	