

IEEE International Conference on Pervasive Services 2005 (ICPS'05)

1st International Workshop on Security, Privacy and Trust in Pervasive and Ubiquitous Computing (SecPerU 2005)

<http://cgi.di.uoa.gr/~spu2005>

July 14, 2005, Santorini Island, Greece

Aims and Scope

The proliferation of computing artifacts into the physical world promises more than spontaneous availability of computational resources to end users; it suggests new paradigms of interaction inspired by constant access to information and computational resources. The ongoing compactness of computing facilities into small mobile devices like portables, handheld or wearable computers will enhance a ubiquitous information processing. The basic paradigm of such a pervasive computing environment is the utilization of distributed computing power through devices that allow spontaneous connectivity. Computers will become invisible to the users and exchange of information between devices will effectively defy users control. The new security and privacy risks introduced by such environments need to be reduced by exploiting appropriate security measures and safeguards, ensuring an acceptable level of overall residual hazard.

The objectives of the [SecPerU 2005](#) Workshop are to develop new security, privacy and trust concepts for complex application scenarios based on systems like handhelds, phones, and smart cards with the emerging technology of ubiquitous and pervasive computing.

List of topics

We welcome the submission of papers from the full spectrum of issues related with *Security, Privacy and Trust in Pervasive and Ubiquitous Computing*. Papers may focus on architectures, methods, technologies, protocols, prototype developments, case studies, applications, practical experiences, simulation results and analysis, theory and validation on topics include, but not limited to:

- Reasoning about Security, Privacy and Trust
 - Analysis and verification of protocols
 - Privacy and Anonymity
 - Security and Privacy requirements
 - Models for access control, authentication, and privacy management
 - Security and Privacy models for Pervasive Information Systems
 - Security and Privacy features into mobile and wearable devices
 - Secure collaboration in uncertain environments
 - Authorization and information flow
 - Developing security policies
 - Developing secure infrastructures
 - Trust and reputation management
 - Hardware architectures
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- Location Privacy in Pervasive Computing
- Smart devices and applications
- Role of Sensors to enable security
- Auditing and forensic information management in pervasive settings
- Case Studies

[SecPerU 2005 Workshop Program co-Chairs](#)

Panagiotis Georgiadis, University of Athens, Greece (georgiad@di.uoa.gr)

Stefanos Gritzalis, University of the Aegean, Greece (sgritz@aegean.gr)

Giannis Marias, University of Athens, Greece (marias@mm.di.uoa.gr)

[SecPerU 2005 Workshop Tentative Program Committee](#)

M. Burmester, Florida State University, USA

S. De Capitani di Vimercati, University of Milan, Italy

M. Cremonini, University of Milan, Italy

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S. Eidenbenz, Los Alamos National Laboratory, USA

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S. Jajodia, George Mason University, USA

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C. Lambrinouidakis, University of the Aegean, Greece

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P. Papadimitratos, Virginia Tech., USA

S. Seys, Katholieke Univ. Leuven, Belgium

E. Zervas, University of Athens and TEI of Athens, Greece

J. Zhou, Institute for Infocomm Research, Singapore

[Paper Submission and Proceedings](#)

Authors are invited to submit original manuscripts, which should be written in English and with a very precise and concise presentation of no more than 10 pages in IEEE double-column format. Reviewers are not required to read the appendices and the paper should be intelligible without them. Authors are invited to send their manuscripts as an attachment (PDF/PS format) by email to the Workshop Chairs at: spu2005@di.uoa.gr. Submission implies the willingness of at least one

of the authors to register and present the paper. The [SecPerU'05](#) Workshop Proceedings will be distributed at the Workshop.

Important Dates

Submission of papers:	April 13, 2005
Notification of acceptance/rejection:	May 16, 2005
Camera-ready version of papers:	May 30, 2005
SecPerU 2005 Workshop date:	July 14, 2005

