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SMPE'07 Overview

Pervasive computing applications present some conflicting requirements as security and accessibility. As a matter of fact, the accessibility level can be improved by multimodal systems that can ease the access to people without technological ability or to people with physical disabilities. As a result, multimodal interaction offers users the freedom to select from multiple modes of interaction with services and permits to break down barriers about human-computer interaction making communication intuitive and spontaneous. On the other hand, security reasons require that the environment be able to protect itself from malicious attacks and/or from wrong actions performed by inexperienced users.

The objective of the workshop is to give the state of the art, and to propose new methods, techniques and approaches for enhancing both the security and the accessibility characteristics of pervasive computing applications.

Submission of papers

Technical papers describing original unpublished research are solicited. Submissions must not be concurrently under review by a conference, journal or any other venue that has proceedings. Only PDF formats are accepted for all submissions. Paper submissions must not exceed 10 pages in IEEE conference style, two-column format, not including the bibliography. All accepted papers will be made available in IEEE Xplore, as well as indexed by EI and Inspec (IEEE). Proceedings will be published by IEEE CS.

Topics*Security Issues*

- Security applications and services in pervasive computing
- Security model for pervasive computing
- Intelligent multimedia security services in pervasive computing
- Key management and authentication in pervasive computing
- Network security issues and protocols in pervasive computing
- Access control and privacy protection in pervasive computing
- Security Standard for next pervasive computing

Multimodality Issues

- Advanced multimodal interfaces
- Human oriented interfaces
- Multimodal mobile and ubiquitous services
- Methods for multimodal integration
- Middleware services for multimodal and pervasive applications
- Context-Awareness in multimodal applications
- Next ubiquitous and immersive environments
- Virtual reality and ubiquitous computing
- Usability and accessibility in ubiquitous applications
- Applications and scenarios
- Others: Commercial or Industrial Issue in pervasive computing

Important dates

- Paper Submission: **extended to 25-May 2007**
- Notification of Acceptance: **15-June 2007**
- Camera-ready Version: **24-June 2007**

More information

For more information visit the workshop web site (www.int-smpe.org) or e-mail to smpe07@na.icar.cnr.it