

Call For Papers

Second IEEE International Workshop on Services Integration in Pervasive Environments (SIPE'2007)

<http://ares.insa-lyon.fr/sipe07/>

at IEEE International Conference on Pervasive Services (ICPS'2007)

<http://icpsconference.org/2007/>

Important Dates

Submission of papers: ~~April 6, 2007~~ April 11, 2007 -- * **Deadline extension** *

Notification of acceptance: April 20, 2007

Camera-ready version of papers: April 30, 2007

Workshop date: July 15-20, 2007

Workshop scope

In the last years, service-oriented computing and pervasive computing are emerging as the next computing paradigms. Service-oriented computing allows to easily develop, publish and use software functionalities. Pervasive computing rests on mobile and/or embedded devices, available anywhere and anytime, that can potentially provide services. Bringing these two trends together raises the new challenge of integrating/unintegrating, in an application, non-predefined services just discovered in the pervasive environment.

Three main sub-areas of this challenge are tackled in this workshop:

- **Frameworks/Infrastructures for services integration:** different developing frameworks exist and can be used or modified to ease services integration; different deployment infrastructures also exist and can be adapted to take into account the pervasive nature of the environment.
- **Services interactions:** allowing non-predefined services to interact implies to have 'smart' and adaptive matching and communication mechanisms.
- **Dynamic combining of services:** because pervasive environments are highly dynamic, the integration of services needs to be aware of context changes to choose the more appropriate combining/deployment techniques.

Topics of interests (but not limited to)

- Developing frameworks for services integration
- Deployment infrastructures for services integration
- Semantic services discovery and matching
- Adaptive communication protocols for pervasive services
- Context-aware integration
- Aspect-oriented approaches in pervasive environments
- Services composition and choreography in pervasive environments
- Integration strategies
- Monitoring and management of services integration
- Contracting and negotiating approaches of integration
- Ontologies of integration
- Secure pervasive integration

- Business integration approaches for pervasive services
- Enterprise service integration
- Autonomic integration

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 6 pages in IEEE double-column format. Authors are invited to send their manuscripts as an attachment (PDF or PS format) by email to the workshop chair at frederic.le-mouel@insa-lyon.fr. Submission implies the willingness of at least one of the authors to register and present the paper. Workshop proceedings will be included in the IEEE edition of the ICPS conference, and also available on IEEEExplore.

General co-Chairs

Frédéric Le Mouël	INRIA / INSA Lyon, FR	frederic.le-mouel@insa-lyon.fr
Stéphane Frénot	INRIA / INSA Lyon, FR	stephane.frenot@insa-lyon.fr

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Previous edition

First IEEE International Workshop on Services Integration in Pervasive Environments (SIPE'2006) (<http://ares.insa-lyon.fr/sipe06/>) at IEEE International Conference on Pervasive Services (ICPS'2006) in Lyon, France.