

## Call for Papers

### **First IEEE International Workshop on Services Integration in Pervasive Environments (SIPE'2006)**

29 June 2006, Lyon, France

<http://ares.insa-lyon.fr/sipe06/>

at IEEE International Conference on Pervasive Services (ICPS'2006)

26-29 June 2006, Lyon, France

<http://www.ens-lyon.fr/LIP/RESO/icps2006/>

#### **Important dates**

Submission of papers: ~~March 31, 2006~~ Extended to April 13, 2006  
Notification of acceptance: April 20, 2006  
Camera-ready version: April 30, 2006  
Workshop date: June 29, 2006

#### **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 in pervasive environments
- Integration strategies
- Monitoring and management of services integration

- Contracting and negotiating approaches of integration
- Ontologies of integration
- Secure pervasive 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](mailto:frederic.le-mouel@insa-lyon.fr). Submission implies the willingness of at least one of the authors to register and present the paper. The proceedings will be published by the IEEE.

### **General co-Chairs**

Frédéric Le Mouël	INRIA / INSA Lyon, France	<a href="mailto:frederic.le-mouel@insa-lyon.fr">frederic.le-mouel@insa-lyon.fr</a>
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### **Technical Program Committee**

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