1st IEEE International Workshop on Services Integration in Pervasive Environments (SIPE’2006)

In conjunction with IEEE ICPS’2006

29/06/2006 – Lyon, France
Round Table: “Challenges and Guidelines for Services Integration in Pervasive Environments”

Definitions and hard research points on
- Service
- Service Integration
- Service Integration in Pervasive Environments
Service
- Service description (interface included, properties, behavior)
- Publish/Request(discovery?) mechanism (Interface?)
- Provide functionalities (Implementation?)
- Protocols access? Rely on standard existing protocols
- Public – Restricted – access policy?
- * Platform/language independent?
- Lifecycle?
Services Integration
- Having different services providers
- Building complex services upon basic services
- Workflow perspective
- Adapting service (3 points) / Heterogeneity
- Automatic after designing? - Customizable
- Standardization of interfaces/protocols (ontologies, etc) service or integration?
Services Integration in Pervasive Environments

- Context (hard to define !) / Updates / Service discovery
- Real-time constraints
- Disruption/disconnections / Alternatives / Partial results / Incremental algorithms
- Resources constraints
- Availability / Contracts / Agreement
- Mobility issue
- Service substitution / Ontology (optional)
Action Points
- Summary paper, journal?
  - Round table participants -> mail
- Presentations on the website

SIPE’2007
- CFP
- Committee members?