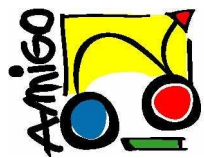




1st IEEE International Workshop on Services Integration in Pervasive Environments (SIPE'2006)



In conjunction with IEEE ICPS'2006

29/06/2006 – Lyon, France





SIPE'2006

- 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



SIPE'2006

■ 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 ?



SIPE'2006

■ 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 ?



SIPE'2006

- 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)



SIPE'2006

■ Action Points

- Summary paper, journal ?
 - Round table participants -> mail
- Presentations on the website

■ SIPE'2007

- CFP
- Committee members ?