



3rd ACM International Workshop on Services Integration in Pervasive Environments (SIPE'2008)

<http://sipe08.conf.citi.insa-lyon.fr>

In conjunction with ACM ICPS'2008



07/07/2008 – Sorrento Italy





SIPE'2008

- 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' 2008

■ Service

- Open Interfaces
- Service description (interface included, properties, behavior) SOP
- Provide functionalities (Implementation?)
- Public – Restricted – access policy ?
- * Platform/language independent ?
- Publish/Request (discovery?) mechanism (Interface?)
- Protocols access? Rely on standard existing protocols SOA
- * Platform/language independent ?
- Service Lifecycle ?



SIPE'2008

■ Services Integration

- Having different services providers
- 'Open' Hardware (partially), deployment platforms
- Building complex services upon basic services
- Workflow perspective
- Adapting service / Heterogeneity
- Automatic after designing ? Spontaneous Integration ?
- Standardization of interfaces/protocols (ontologies, etc) for integration ?



SIPE'2008

- Services Integration in Pervasive Environments
 - Context / Service discovery
 - Mobility issue / Disruptions / Disconnections
 - Real-time constraints
 - Resources constraints
 - Service substitution / Ontology
 - Partial results / Incremental algorithms
 - Availability / Contracts / Agreement
 - Stateless / stateful transitions



SIPE'2008

■ Action Points

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

■ SIPE'2009

- CFP
- Committee members ?