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
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

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

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

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- CFP
- Committee members?