Presentation and Project Topics

Presentations in teams of 2 or 3 starting April 24
30 minute slots (25 min. presentations + 5 min. questions)
Attendance list will be maintained

1. Business Processes
   a. Business Process Modelling and Analysis
   c. Business Process Discovery
   d. Business Process Composition
   e. Business Process Adaptation
   f. Business process optimization - Six Sigma methodology
Presentation and Project Topics

2. Workflows
   a. State charts and UML
   b. Logic-based formalisms (situation calculus, event calculus)
   c. Workflow Patterns
   d. Distributed Architectures for Workflow Execution
   e. Interoperability in Cross-Organizational Workflows

3. Cloud Computing
   a. Business Process as a Service (BPaaS)
   b. SaaS vs Web Services
   c. Cloud-based Service Discovery and Composition
   d. Discovery & Composition of Cloud Services
   e. Scalable/Cloud-based Service Discovery & Composition
   f. Web Services on Cloud Computing
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4. Web services
   a. Web Services Modeling Languages
   b. Web Service Evolution
   c. Web Service Discovery
      i. Service Registries – UDDI, ebXML and others
      ii. Semantically-enhanced discovery
      iii. QoS-aware Service Discovery
   d. Web Service Composition
      i. Planning for Composition
      ii. Ontology-based Composition
      iii. Formal Service Composition (e.g., AI- or logic-based)
      iv. QoS-aware Service Composition
   e. Web Service Choreography and Orchestration
   f. Web Service Brokering
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4. Web services
   g. Web Service Execution
   h. Web Service Monitoring and Adaptation
      i. Web Service Cross-layer monitoring and adaptation
      ii. Monitoring and Adaptation of Multi-Cloud Service-based Applications
      iii. Service QoS Prediction
   i. QoS-aware Service Management
   j. Web Service Security and Privacy
   k. Business Process Management and Internet of Things (IoT)
   l. Service Mashups
   m. Analysis, Simulation and Verification of Web Services
Presentation and Project Topics

4. Web services
   n. Modeling Quality of Service
   o. Mobile Web Services
   p. REST vs SOAP Web services
   q. Web Service Design Frameworks & Tools
Presentation and Project Topics

- Topic selection: on a first-come, first-served basis
- Your presentations should be in English but you can speak either Greek or English.
- Dates:
  - topics to be finalized by Friday March 31
    - declare your teams and select the topic on the doodle poll that will be sent to the mailing list.
    - Schedule of presentations will be announced by April 7
  - reports due: June 2