

**AOT
LAB**

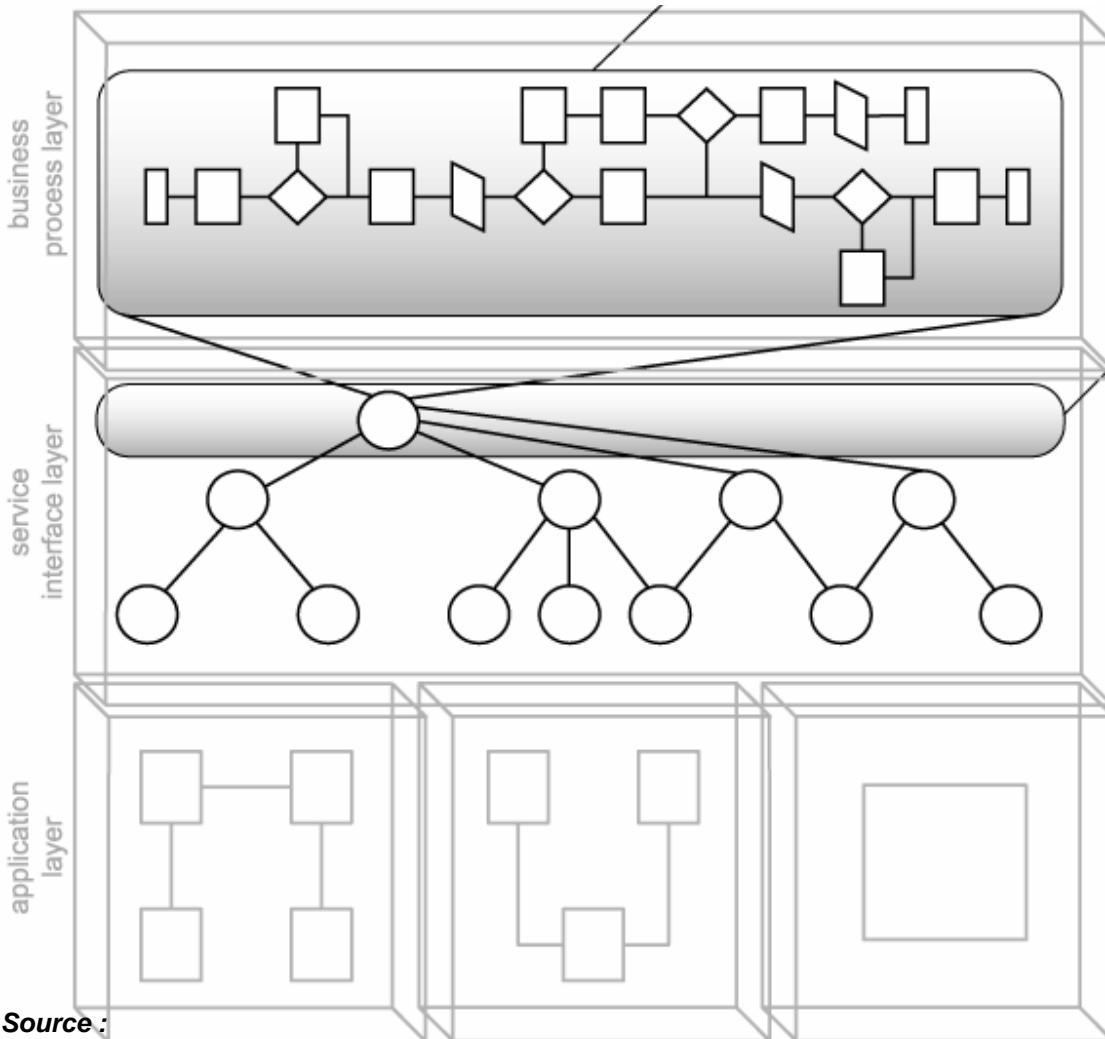
Agent and Object Technology Lab
Dipartimento di Ingegneria dell'Informazione
Università degli Studi di Parma



Sistemi Orientati ad Internet

Paola Turci

AOTLab - DII - Università di Parma



- ***Business Process Modelling***
 - *UML Activity Diagram*
 - *BPMN*
 - *WSBPEL*
 - *Process Integration Languages*
- ***Integration issues and “traditional” approaches***
- ***Service-Oriented Architecture***
 - *Service-Oriented paradigm*
 - *Web Services*
 - *Core Web Services Standards*
 - *Semantic Web Services: SAWSDL*
- ***Enterprise Applications***
 - *Overview*
 - *Architectural solutions*
 - *Patterns of Enterprise Application Architecture*

Source :

[Thomas Erl](#)

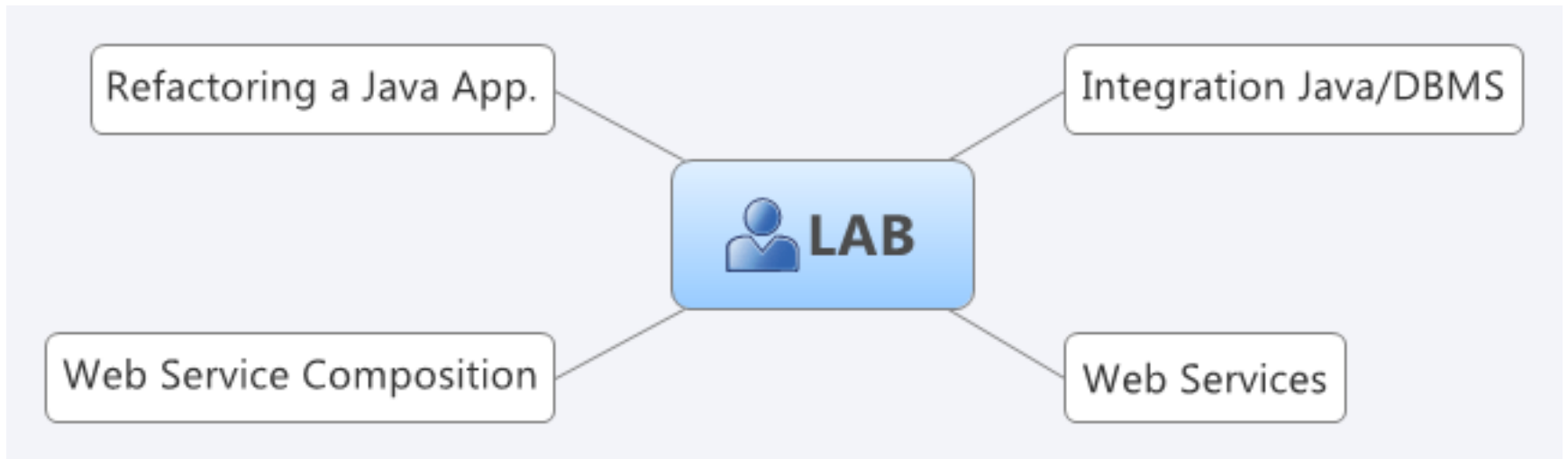
[Service-Oriented Architecture: Concepts, Technology, and Design](#)

- ◆ M. Fowler - ***Patterns of Enterprise Application Architecture*** - Addison Wesley (2002)
- ◆ Thomas Erl - ***SOA Principles of Service Design*** - Prentice Hall (2008)

- ◆ Thomas Erl - *Service-Oriented Architecture: Concepts, Technology, and Design* - Prentice Hall (2005)
- ◆ G. Hohpe, B. Woolf - *Enterprise Integration Patterns: Designing, Building, and Deploying Messaging Solutions* - Addison Wesley (2003)
- ◆ JAVA: <http://www.oracle.com/technetwork/java/>
 - J2EE tutorial
 - Web Services Tutorials
- ◆ Apache Axis <http://axis.apache.org/axis2/java/core/>
- ◆ Web Service: <http://www.w3.org/standards/webofservices/>
- ◆ SAWSDL - W3C: <http://www.w3.org/TR/sawSDL/>
- ◆ UML – OMG: <http://www.uml.org/>
- ◆ BPMN – OMG: <http://www.bpmn.org/>
- ◆ WSBPEL - OASIS: <http://www.oasis-open.org/>

- ◆ Three parts:
 - A theory test after the teaching period
 - Lab attendance
 - A software development project

- ◆ The project can be combined with:
 - Distributed Systems practical part, Artificial Intelligence practical part
 - Final thesis



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