Dr. Hans-Peter Hoidn
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Distinguished IT Architect (Opengroup)

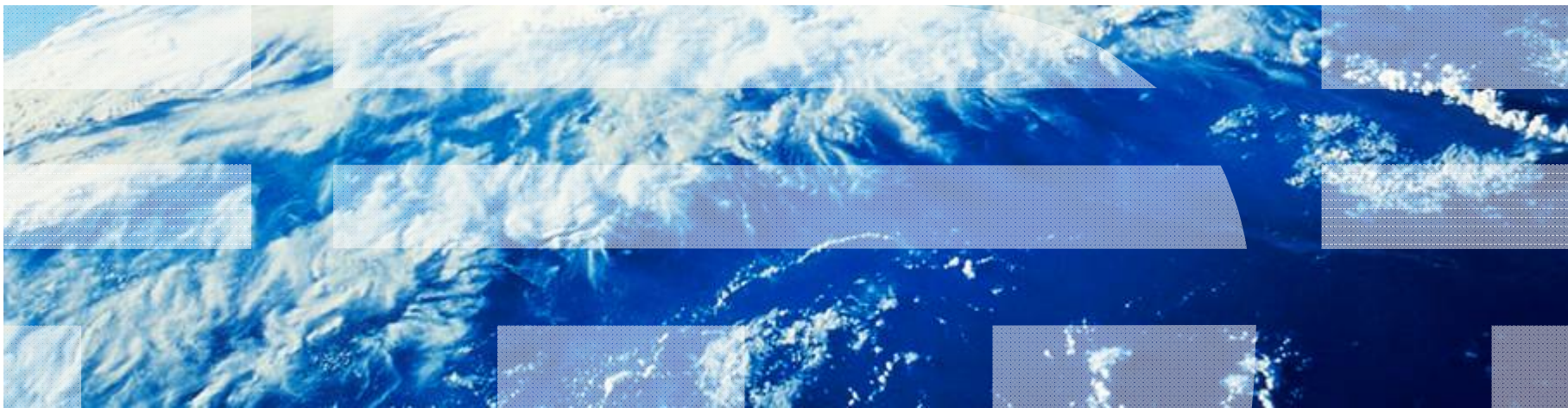University of Zurich

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Enterprise IT Architectures

Role Play

YOUR New Job: IT Architect

Overview

- **You are now THE architect for a new project – the course is a pre-run of an architect's work**

- **Beginning will be some "marketing" about new technology approaches**

- **The you will have "education" on the methodology**

- **Then you will get to work with a real project using the methodology in a mentored environment**

- **You will present your results and provide the "term paper" (the presentation) to your "customer"**

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Part 1: Technology Update – Visiting a Vendor's Conference – Hans-Peter Hoidn is your "Technology Advisor"

- **Business Process Management (BPM)**
  - **Modeling processes such that they can be automated**

- **Service Oriented Architecture (SOA)**
  - **Services are providing business functionality to the users**
  - **Connectivity through Middleware**
  - **Enterprise Service Bus (ESB)**

- **And additional topics**

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Part 2: Learning the Architecture Methodology – Marcel Schlatter is your "Teacher"

- **What is Architecture**

- **Key aspects of Architect's Work**

- **How to handle Requirements (Qualities and Constraints)**

- **What are the main "Work Products"**

- **Working through a "Case Study"**

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Part 3: Applying the Architecture Methodology – Kai Schwidder is your "Mentor"

- **You will be the Architect for a new solution, which is the problem to be solved and presented – in the term paper (Semesterarbeit)**

- **Handling the functional and non-functional requirements**

- **Modeling the solution, investigating boundary conditions and risks**

- **Working out the proposal (team work) and presenting the work to the "customer" (on November 30)**

Part 4: Beyond Solution Architecture – Hans-Peter Hoidn is your "Manager"

- **Enterprise Architecture overseeing multiple solutions – addressing the IT environment of the enterprise**

- **Architecture Management / Governance**
  - **Committees**
  - **Policies, Processes**

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Questions