

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



University of Zurich



Enterprise IT Architectures

Introduction





Introduction



Aim of the course

- **The course is providing an introduction to the work of an *Architect* in projects as it is done in the industry**
- **The course introduces into current important *Technology Concepts* like *SOA* (Service Oriented Architecture) and *BPM* (Business Process Management)**
- ***Architectural Methods* are used to structure, describe, and specify architectures based on functional and non-functional requirements**
- ***Enterprise Architecture* as well as *Governance* concepts provide a scope beyond projects on an enterprise level**



Organization of the course

- **Lectures with exercises, one exercise is a two lecture class room exercise of the methodology, the second is a group work preparing a project presentation**
- **The group presentation will be introduced on November 2, the presentation is scheduled for November 30, every team member has to present a part (therefore must be present at this day)**
- **The lecture is in BIN 2.A.10 on Fridays from September 21 to December 14 at 12:15 to 13:45 including a break of approximately 5 minutes**
- **December 21 is reserved for the written exam if necessary**

Requirements for Obtaining the Credits

- **Contribution to the project presentation and presenting a part of this work in the class room lecture; attendance on November 30 is mandatory and the group must pass (counts 1/3 to the final evaluation)**

- **The (updated) presentation must be sent to hans-peter@hoidn.ch until December 14, 23:59**

- **Passing the exam (counts 2/3 to the final evaluation)**
 - **Either written (December 21)**
 - **Or half an hour oral exam for everybody (sometimes in December or January)**
 - **Preference is an oral exam**

Overview

- ***Part 1*** – Introduction, Role Play, BPM (Business Process Management), SOA (Service Oriented Architecture) (21.9. & 28.9. – Hans-Peter Hoidn)
- ***Part 2*** – Key Aspects and Deliverables of Solution’s IT Architecture (October 2012 – Marcel Schlatter)
- ***Part 3*** – Solution IT Architecture Methodology, Realization of an Solution Architecture for the Case in the Term Paper (November 2012 – Kai Schwidder)
- **Presentation of projects by Students (30.11.)**
- ***Part 4*** – EA (Enterprise Architecture) and Architecture Management (7.12 & 14.12. – Hans-Peter Hoidn)



IBM Academic Initiative Offerings

<p>Software</p>  <p>Full versions of hundreds of IBM software products and tools, all at no charge.</p>	<p>Courseware</p>  <p>Professionally developed courseware to help you enhance your curricula.</p>	<p>Virtual Innovation Center</p>  <p>More than 800 online courses and materials, accessible 24/7.</p>
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- Free software for teaching purposes
 - Free courseware – by IBM product
 - Access to IBM systems
 - Discounts on IBM certifications
 - ACM course mapping Guides
- www.ibm.com/academicinitiative



Lecturers

- **Dr. Hans-Peter Hoidn**
Executive Architect (IBM)
Distinguished IT Architect (Opengroup)
IBM Software Group (until September 30)
hans-peter@hoidn.ch
- **Dr. Marcel Schlatter**
IBM Distinguished Engineer
marcel.schlatter@ch.ibm.com
- **Kai Schwidder**
Business Unit Manager
Distinguished IT Architect (Opengroup)
Zühlke Engineering AG
kai.schwidder@zuehlke.com
- **Together about 100 years IT experience**

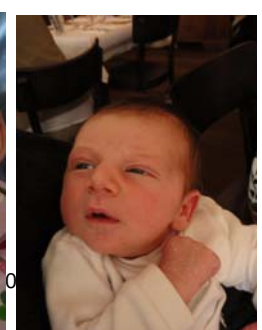
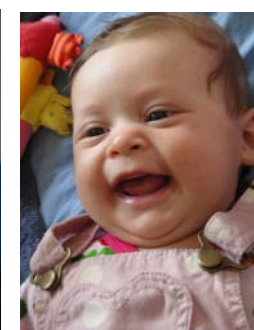


Hans-Peter Hoidn



- Executive Architect in Global Business Integration “Tiger” Team until end of September 2012
- 11 years IBM and PwC
- Previously with UBS, Digital Equipment Corp, etc.
- Architect since about 20 years
- 40 years in IT – starting programming 1971
- Dr. sc. math ETH

three daughters (37, 34, 32 years old); five grandchildren (born January 2008, August 2009, June 2010, January 2012, April 2012)



Q & A – Next Steps

- **Q & A – Questions & Answers**

- **Next Steps**
 - Let us know when you intend to attend
 - Let us know the groups working together

- **Contact:**
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Questions

