

Introduction to **Software Architecture**

Sébastien Mosser Lecture #1.1, 09.02.2018







Architecture?





We speak of the

"architecture" of a symphony, and call architecture, in turn,

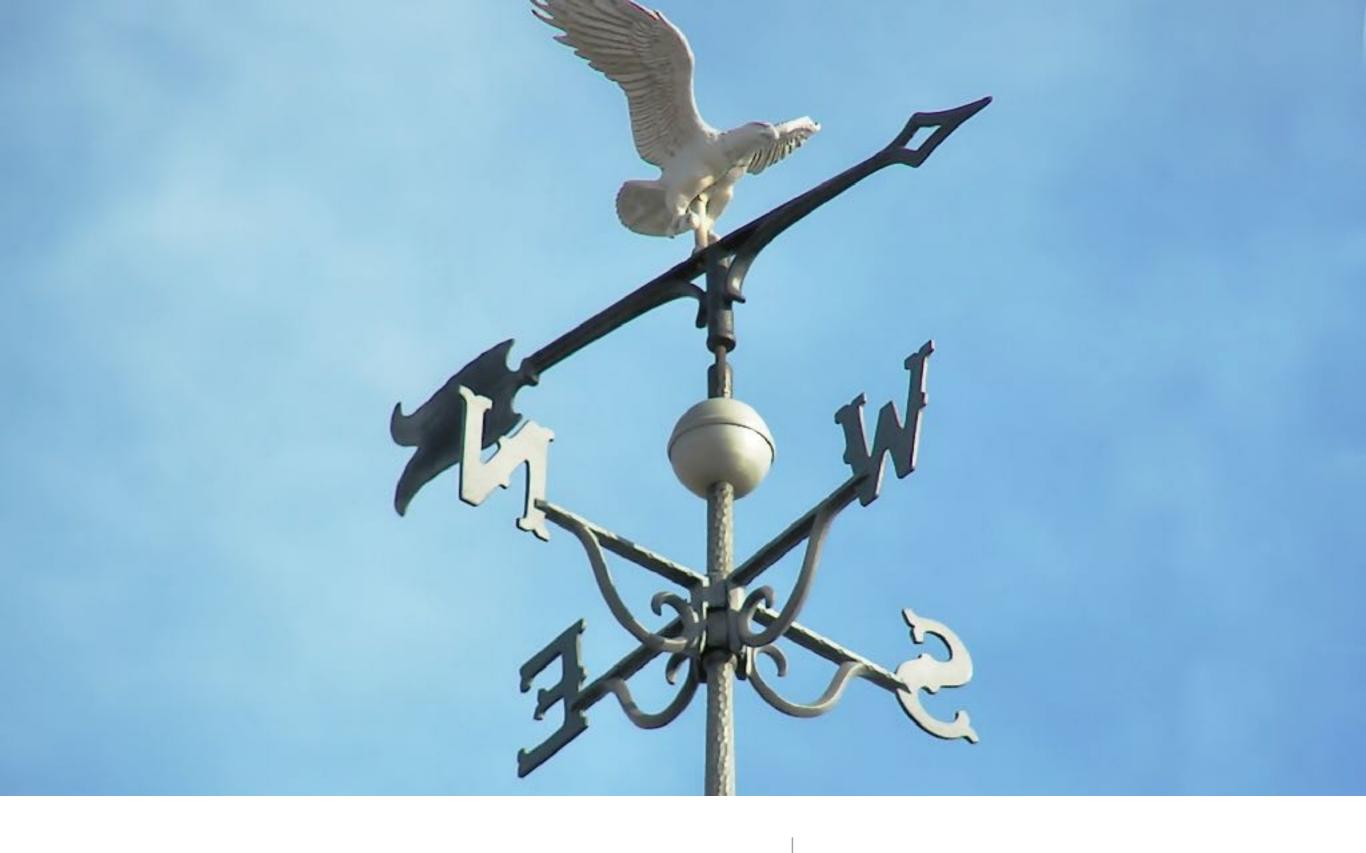
"frozen music".

Architect?



Beautiful architectures

do MOCE with LESS.



Organization

ISA & DevOps as a Single Module

Week	Friday Morning		Friday Afternoon		
	08:00 - 09:00	09:15 - 12:15	13:30 - 14:30	14:45 - 17:45	
6	Introduction to Software Architecture		DevOps Overview	Mutation Testing Lab	Kick-off
7	Poly'Event Architecture definition (unsupervised)		Arch. for Testing	Mutation Testing Lab	
8	Mutation Testing Lab (unsupervised until further notice)		Func. & Int. Tests	Poly'Event Architecture definition	
9	Soft. Components	Poly*Event Project	Arch Dojo #1	Poly'Event Project	
10	Winter break				
11	Interoperability & WS	Poly*Event Project	Cont. Integration	Poly'Event Project	
12	Cont. Integration	Poly'Event Project	Build plan & Pipeline	Poly'Event Project	
13	Technical intervio	ew (Minimal & Viable Product)	Poly'Event Project (unsupervised)		
14	Persistence	Poly'Event Project	Deployment	Poly'Event Project	Poly'Event Project Implementation
15	Arch Dojo #2	Poly*Event Project	Soft. Containers	Poly'Event Project	
16	Q&A, Stepback	Poly'Event Project	Scaling	Poly'Event Project	
17	Easter Break				
18	Poly'Event Project (unsupervised)		Technical Interview (Almost-final Product)		
19					
20		Architecture Exam (3 hours)		DevOps Exam (3 hours)	

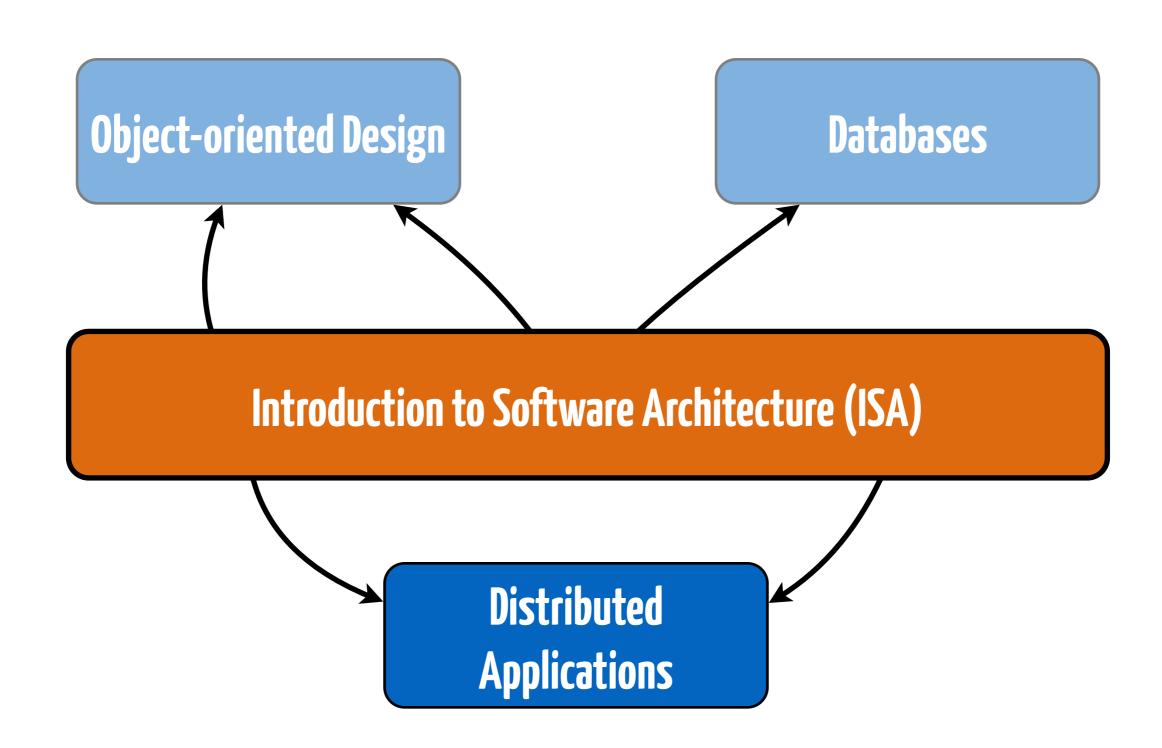
Shared Case study & Technological Stack

Contract

- Students:
 - No computer during lectures
 - Be on time (lectures, labs)
 - Project involvement
 - Prepare when asked for
- Staff:
 - One-week latency feedback
 - Availability (email, meeting)



Intro. to Soft. Arch.: Dependencies



The team







Sébastien **Mosser**

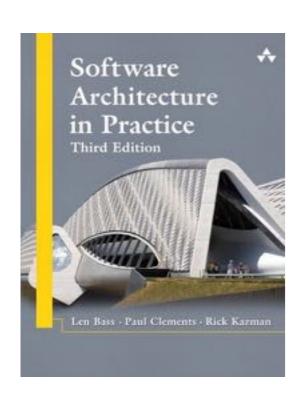


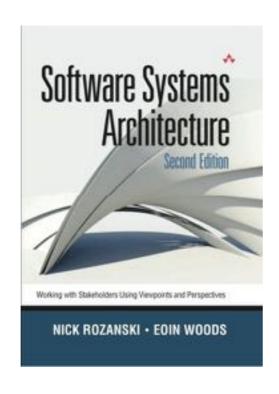
Anne-Marie **Déry**

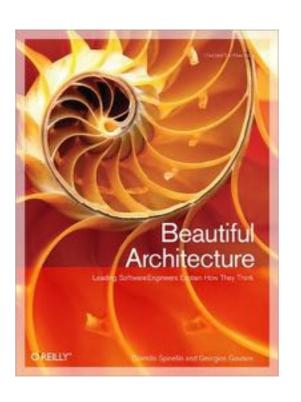
Coordinator: mosser@i3s.unice.fr

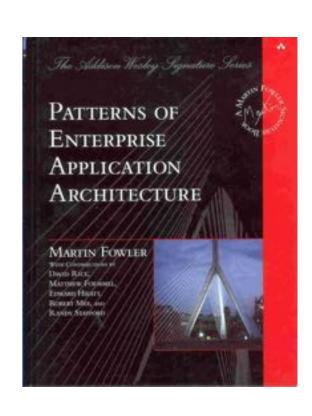
https://github.com/mosser/isa-devops

Bibliography (technologically independent)









[SAiP, 2012]

[SSA, 2011]

[BA, 2009]

[PoEAA, 2002]

Evaluation (dependency graph)



