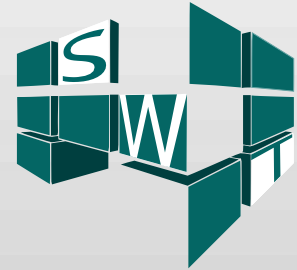


Software Engineering Group



School of Business Informatics
and Mathematics





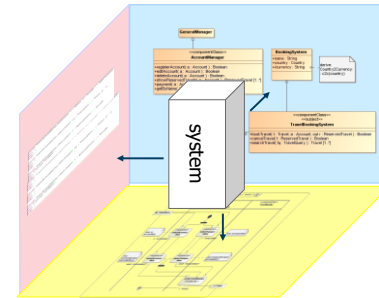
1. Model-Driven Development

- Multi-Level-Modeling
- MELANEE Modeling Tool
- Augmented reality (Hololens)



2. View-Based Software Engineering

- Projective Modeling
- Ortographic Systems Engineering
- Single-Underlying Model



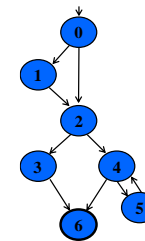
3. Mining Software Repositories

- Large-Scale Software Observations with LASSO's Scripting Language – Dynamic Selection, Analysis and Comparison of Software
- Software Reuse through Test-driven Search with merobase and Test Sheets





- Foundation course
- Fall semester
- English
- ECTS: 6
- Main topics
 - Model-based, multi-view system specification
 - Test design and description
 - Black-box testing approaches
- No pre-requisites
- Evaluated by a single written exam



	A	B	C	D
1	'Stack	create		
2	D1	push	23	
3	D1	push	42	
4	D1	pop		42 23
5	D1	pop		C2



- Specialization course
- Fall semester
- English
- ECTS: 6
- Main topics
 - Metamodeling
 - Object Constraint Language (OCL)
 - Domain-Specific Languages
 - Model transformation
 - Multi-level modelling
 - ...
- Prerequisites: Advanced Software Engineering
- Evaluated by a single written exam

