

Organisational Stuff

Research-oriented Lecture

- ▶ Relatively young research field
- ▶ Current research results and trends
- ▶ Literature
 - ▶ Lecture book
 - ▶ And many other related books
 - ▶ Conference publications
 - ▶ At the end of each lecture chapter
- ▶ Many connection points for future research, e.g., bachelor and master theses, student jobs, and even dissertations

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Christian Kästner · Gunter Saake

Feature-Oriented Software Product Lines

Concepts and Implementation



 Springer

► <http://link.springer.com/book/10.1007%2F978-3-642-37521-7>

Expected Knowledge

- ▶ Basic knowledge in Software Engineering (modularity, version control systems, design patterns, software development processes, etc.)
- ▶ Background on object-oriented programming and modelling (UML)
- ▶ Basic skills in Java (C++, C#, ...)

Lecture

- ▶ **Wednesday 09:15 – 10:45 in HK7**
- ▶ Master (CS4DM, DE, HCI)
- ▶ CS4DM, HCI 4.5 ECTS
- ▶ Digital Engineering 6 ECTS

Exercise

- ▶ **Friday 11:00 – 12:30 Uhr in HK7**
 - ▶ Starts this week
 - ▶ Active discussion during exercise is expected

- ▶ Several programming tasks as precondition for exams
 - ▶ With strict deadline
 - ▶ Java, including new languages and tools
 - ▶ OOP, preprocessors, frameworks, FOP, AOP

- ▶ More tasks for DE students

Exam

- ▶ Precondition
 - ▶ 50% correct tasks in total
- ▶ Exam, either written 90 min (register at the faculty Media) or oral