

Welcome to the Model Driven Development course



Organization of the course



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- Lecturers
 - Tomáš Bureš
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- <http://d3s.mff.cuni.cz/teaching/>
- 0/1 Z
- Credits for term project



Literature

- Slides and exercises
- Lorenzo Bettini: Implementing Domain-Specific Languages with Xtext and Xtend, Second Edition, Packt Publishing, 2016



Before we really begin ...



Invitation to Related Courses

- Concepts of Modern Programming Languages (NPRG014)
 - Monday 14:00 in S4
 - Content:
 - Scripting and dynamic meta-programming in Groovy
 - Groovy Domain Specific Languages and static meta-programming
 - Statically typed languages (Scala)
 - Concurrency and parallelism
 - Prototype-based languages
 - Language concepts for web programming
 - ...
 - Format:
 - 4 hours every 2 weeks out of 3
 - Seminar with hands-on experience



Invitation to Related Courses

- Software Engineering for Dependable Systems
 - Summer term
 - Content:
 - Modeling
 - Modeling continuous / discrete systems
 - Synchronous dataflows
 - Requirements models
 - Goal-based approaches
 - Agent-based approaches
 - ...



Master Theses / Projects / PhD

- Consider taking your master thesis or project in D3S
- Possibility of doctoral studies
- Possibility of paid individual projects (with credits)

- Ready made topics
 - Cloud computing
 - Performance engineering
 - Component and service-oriented systems
 - Formal verifications, model checking
 - Operating systems

- If you are interested, stop by after the lecture

