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software engineering dependability

Software Engineering Seminar 2017

Felix Möhrle | 21.04.2017

Software Engineering Seminar

- ▶ Joint seminar for bachelor and master students
- ▶ Seminar language is English
- ▶ Bachelor students may choose to do their paper and presentation in German

Organizing Chairs

- ▶ **SS 16:** Software Technology (Prof. Dr. Arnd Poetzsch-Heffter)
- ▶ **WS 16/17:** Software Engineering: Processes and Measurement (Prof. Dr. Dr. h. c. Dieter Rombach)
- ▶ **SS 17:** Software Engineering: Dependability (Prof. Dr.-Ing. habil. Peter Liggesmeyer)



Prof. Dr.-Ing. Peter Liggesmeyer

<http://seda.cs.uni-kl.de/staff/liggesmeyer/>
Office hours: on appointment
Room: 32-425



Dipl.-Inform. Felix Möhrle

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<http://seda.cs.uni-kl.de/teaching/sem/ss2017/>

Summer term:

Software
Engineering 2
(Bachelor)

Winter term:

Safety and
Reliability of
Embedded
Systems (Master)

Quality
Management of
Software and
Systems (Master)

Software Quality
Assurance (Master)

Goals of the Seminar

- ▶ Critical reading of
 - ▶ Understanding
 - ▶ Summarizing
 - ▶ Explaining
 - ▶ Citing
 - ▶ Presenting
- } scientific papers
- ▶ Students are provided with a short list of literature
 - ▶ Tasks: read literature, become familiar with contents and relevant terms, find additional work (e.g. scholar.google.de, ieeexplore.ieee.org)

Successful participation in the seminar requires

- ▶ Participation in meetings
 - ▶ general meetings
 - ▶ meetings with your supervisor
- ! Adherence to deadlines
- ▶ Writing a seminar paper using the provided templates
- ▶ Reviewing seminar papers of other students
 - ▶ Read their papers
 - ▶ Write reports: propose improvements concerning language, layout, structure, understanding and other issues
 - ▶ Use the feedback to improve your own paper
- ▶ Giving a presentation on your topic

Seminar Papers

- ▶ Master students: approximately 15 pages, not including figures
- ▶ Bachelor students: approximately 10 pages, not including figures

Presentations

- ▶ Master students: max. 20 minutes presentation time
- ▶ Bachelor students: max. 15 minutes presentation time
- ▶ Time limits are hard deadlines
- ▶ Presentations are followed by 5 minutes for questions and comments
- ▶ Attendance to other students' presentations is mandatory

Kickoff meeting	21.04.2017	}	5 weeks
Annotated table of contents	26.05.2017		
First version of paper	14.07.2017		
Review of other papers	21.07.2017		
Final version of paper	04.08.2017		
Presentations	t.b.a.		

Failing a seminar

- ▶ Topic not addressed
- ▶ Not communicating with your supervisor
- ▶ Plagiarism
- ▶ Missed deadlines
- ▶ Absence during presentation sessions
- ▶ Poor quality of the seminar paper (grammar, spelling, content)
- ▶ Bad presentation (style, time, content)
- ▶ Non-adherence to guidelines (templates etc.)



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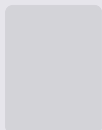
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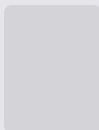
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