
Software Quality Assurance

(Software-Qualitätssicherung)

Welcome!

Administrative Issues

☐ Lecture held by AG Software Engineering: Dependability

- <http://agde.informatik.uni-kl.de/teaching/sqs/ws2008>
- LV-Nr. 89-3355 / 89-3355U

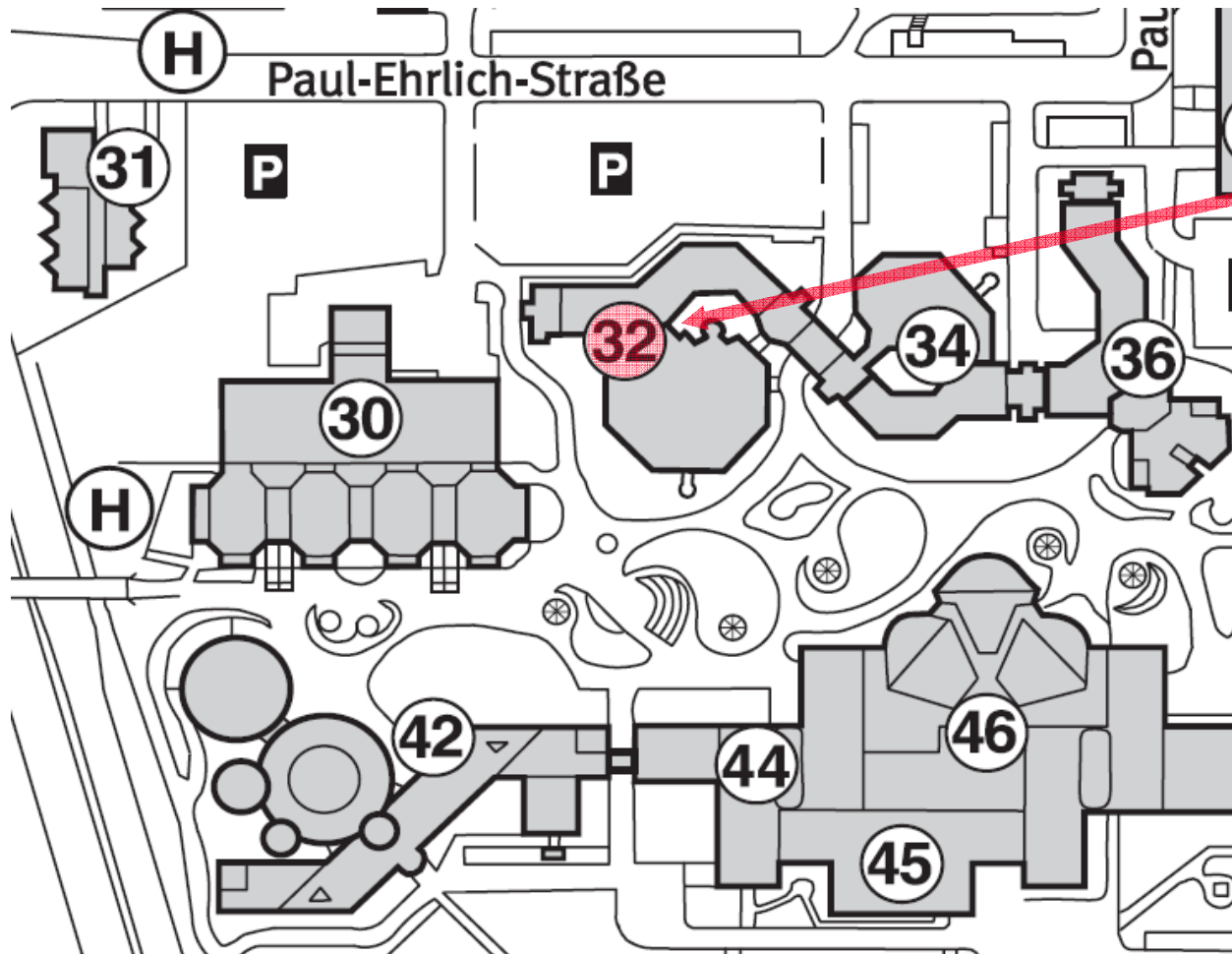
☐ Lecturer

- Prof. Dr. Peter Liggesmeyer
 - Email: liggesmeyer@informatik.uni-kl.de
 - Office hours on appointment
 - Room: 32-425

☐ Tutor

- M.Sc. Zhensheng Guo
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 - Office hours on appointment
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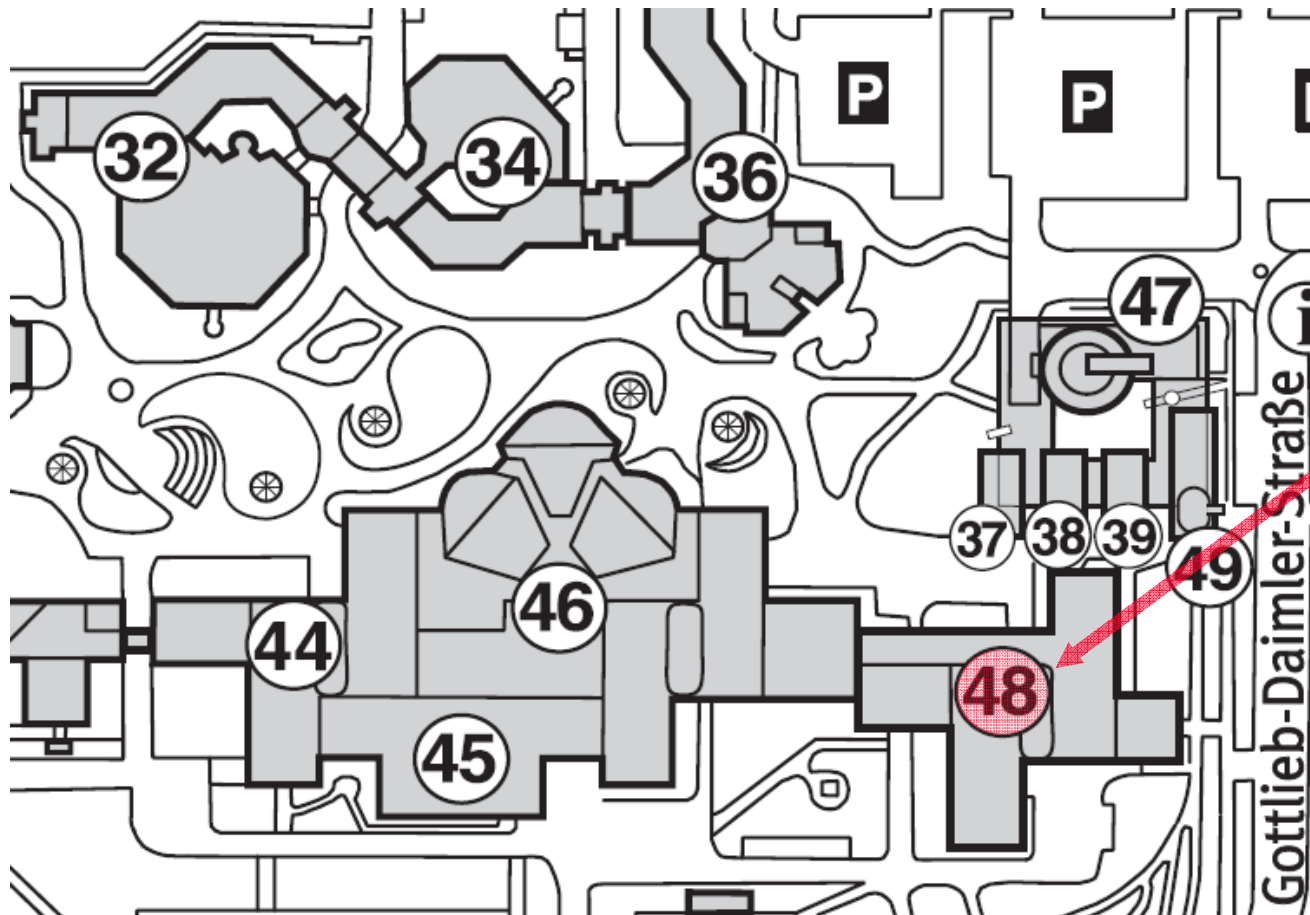
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☐ Schedule

- Lecture (2 SWS)
 - Held weekly
 - Monday, 15:30 - 17:00, Room 48-462
- Tutorial (1 SWS)
 - Held every two weeks (usually)
 - Thursday, 11:45 - 13:15, Room 46-260
 - Start of tutorials: Thursday, Nov. 6

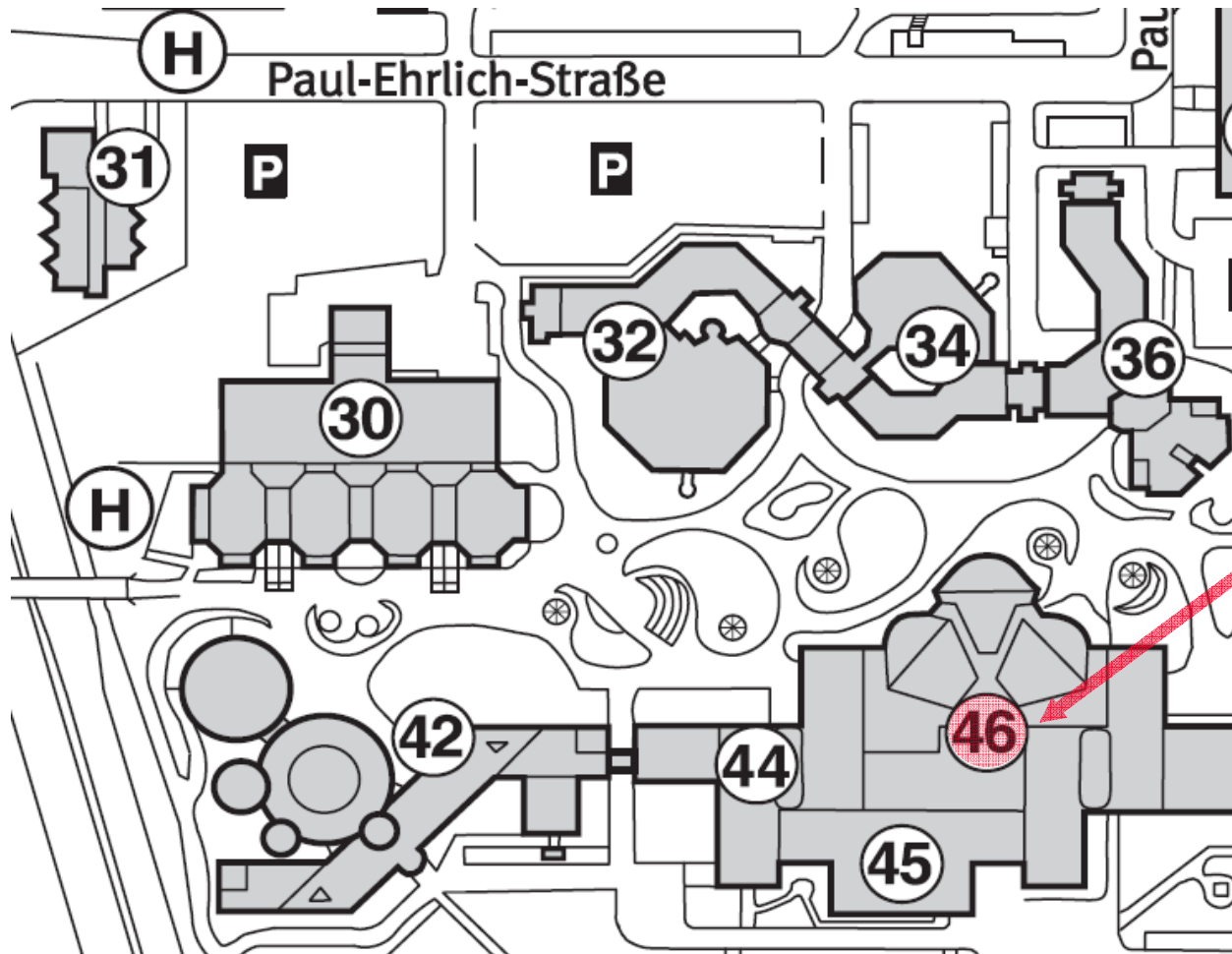
☐ Grading by written or oral exam (mode and date will be announced within lecture and tutorial)

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Lecture:
Room 48 - 462

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Tutorial:
Room 46 - 260

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☐ Lecture notes

- Available online at:
<http://agde.informatik.uni-kl.de/teaching/sqs/ws2008/material/vorlesung/>
- Format: PDF or Postscript

☐ Problem sheets

- Available online at:
<http://agde.informatik.uni-kl.de/teaching/sqs/ws2008/material/uebung/>
- Format: PDF or Postscript
- There will be no solutions published, so it is highly recommended to attend the tutorial sessions!
- Please note that there is no handing-in and no marking of solved problem sheets

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☐ Goals of lecture

- Get to know selected formal, informal and stochastic techniques for software quality assurance
- Be able to use particular analysis and testing methods in practice

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☐ Topics

- Introduction
- Terminology
- Dynamic Test
- Static Analysis Techniques
- Measurement
- Data Flow Anomalies Analyse
- Review and Inspection Techniques
- Formal Techniques

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- ☐ Goals of tutorial
 - Work-out solutions to problem sets
 - Clarification of issues concerning the lecture
 - But: The intention is not to provide a substitute for the lecture!
- ☐ Topics
 - Same as lecture