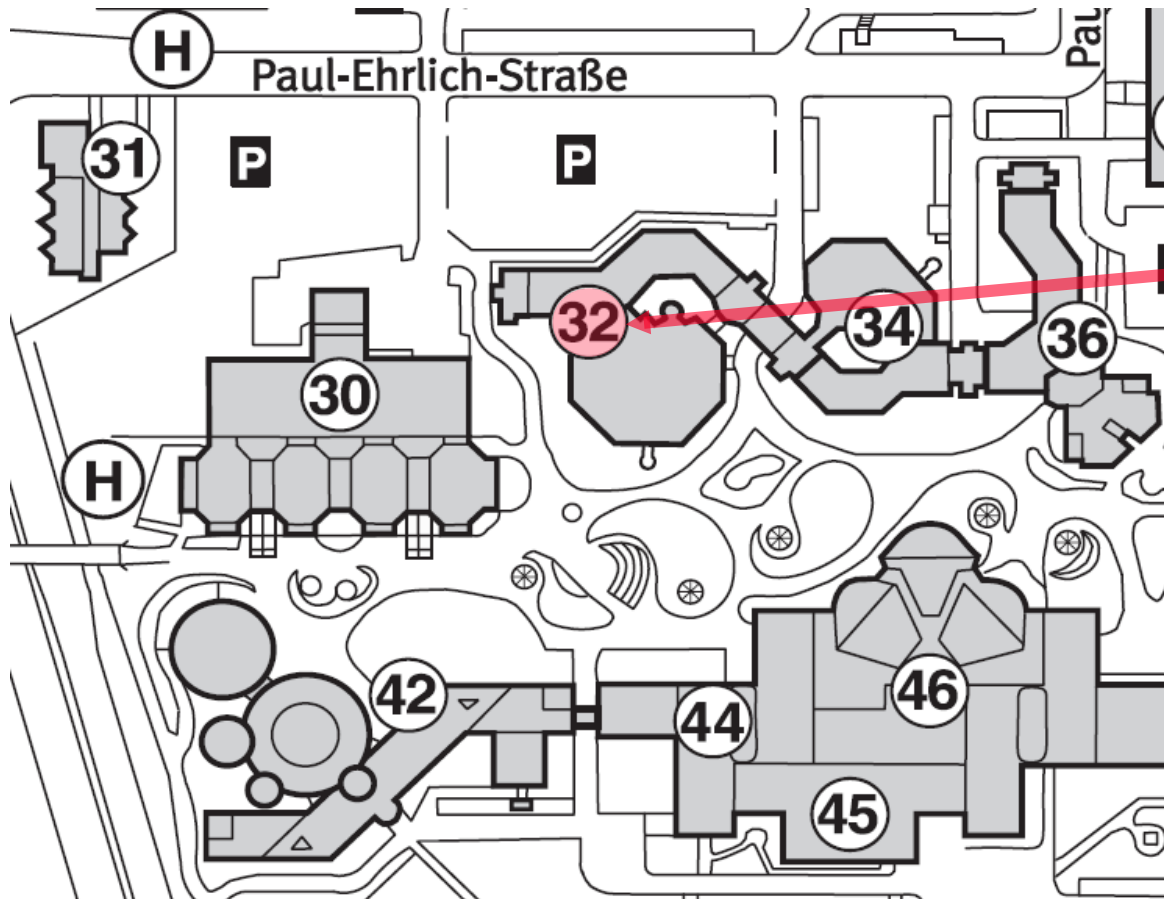


# se<sup>da</sup>

software engineering dependability

**Software Quality Assurance WS 2018/2019**  
**Welcome!**

- Lecture held by the chair of Software Engineering: Dependability
  - <https://seda.informatik.uni-kl.de/en/subjects/software-quality-assurance/>
  - LV-Nr. INF-33-55-V-7 / INF-33-55-U-7
- Lecturer
  - Prof. Dr. Peter Liggesmeyer
    - Office hours on appointment through secretary: [frey@informatik.uni-kl.de](mailto:frey@informatik.uni-kl.de)
    - Room: 32-425
- Tutors:
- M. Sc. Nishanth Laxman
  - Email: [nishanth.laxman@informatik.uni-kl.de](mailto:nishanth.laxman@informatik.uni-kl.de)
  - Phone: (0631) 205-3269
  - Office hours on appointment
  - Room: 32-424
- M. Sc. Rasha Abu Qasem
  - Email: [abuqasem@informatik.uni-kl.de](mailto:abuqasem@informatik.uni-kl.de)
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  - Office hours on appointment
  - Room: 32-429



Software Engineering: Dependability  
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- Schedule
  - Lecture (2 SWS)
    - New video uploaded weekly, every Monday
  - Tutorial (1 SWS)
    - New problem sheet every two weeks (usually)
    - Handing in of problem sheets solutions is not required
    - OLAT Fourm for questions
- Grading by written exam
  - Unlike previous semesters there will be only one exam date offered this winter semester
  - Another exam date will be provided in summer semester
  - The exam date will be later announced on SEDA website

- 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
- Topics
  - Introduction
  - Terminology
  - Dynamic Test
  - Static Analysis Techniques
  - Measurement
  - Data Flow Anomalies Analysis
  - Slicing

- Goals of Exercise
  - Work-out solutions to problem sets
  - Clarification of issues concerning the lecture
  - The intention is not to provide a substitute for the lecture!
- Problem sheets
  - One week time span between the published sheet and the explanatory video
  - Solutions should be prepared by each student
  - There will be no solutions published, so it is highly recommended to work on the solution yourself!
  - Please note that there is no handing-in and no marking of solved problem sheets
- Topics
  - Same as lecture