Technische Universität
Kaiserslautern

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software engineering dependability

Software Quality Assurance WS 2016/2017
Welcome!

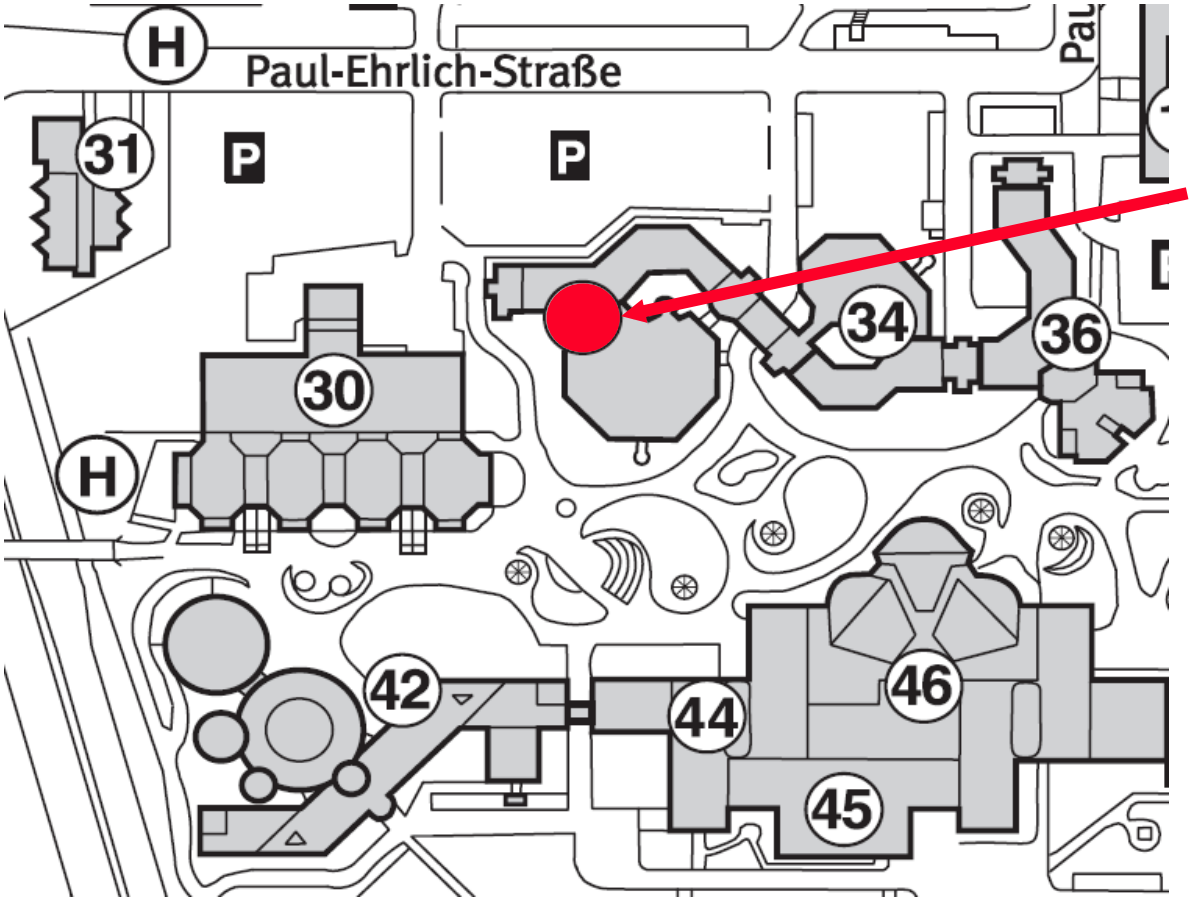
Administrative Issues

- Lecture held by the chair of Software Engineering: Dependability
  - http://seda.cs.uni-kl.de/teaching/sqs/ws2016/
  - LV-Nr. INF-33-55-V-7 / INF-33-55-U-7

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

- Tutor
  - M. Sc. Sebastian Müller
    - Email: sebastian.mueller@informatik.uni-kl.de
    - Phone: (0631) 205-3449
    - Office hours on appointment
    - Room: 32-429

Administrative Issues



Software Engineering: Dependability

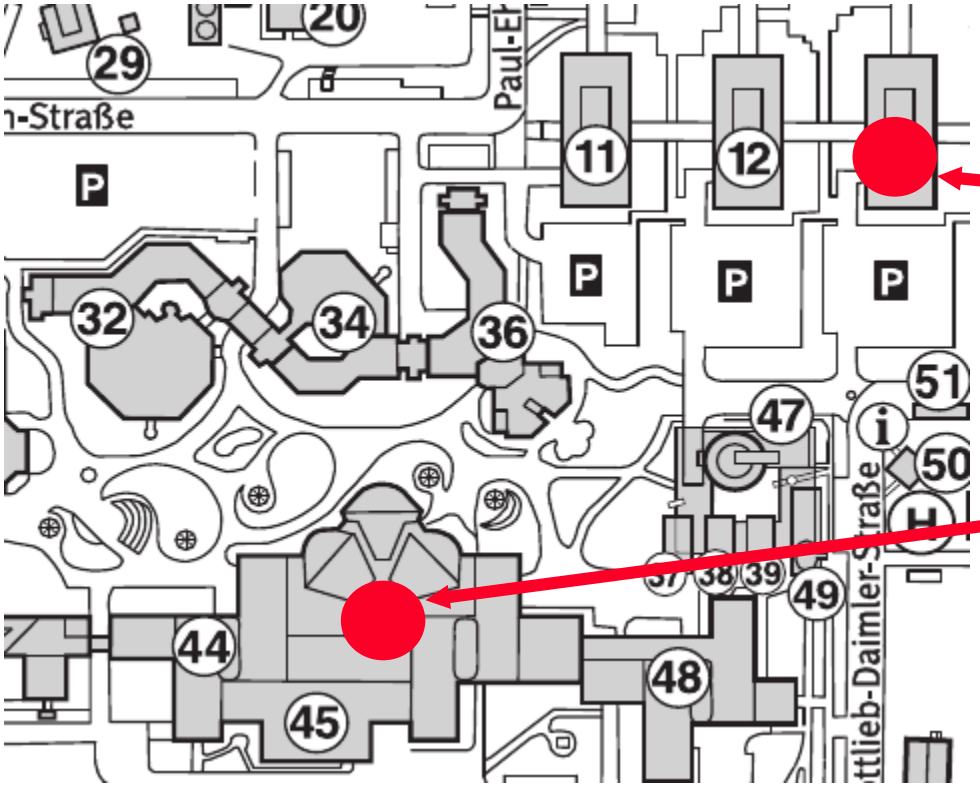
Technical University of Kaiserslautern
Building 32, 4th Floor
P.O. Box 3049
67653 Kaiserslautern
Germany

Administrative Issues

- Schedule
  - Lecture (2 SWS)
    - Held weekly
    - Monday, 8:15 – 9:45, Room 13-305
  - Tutorial (1 SWS)
    - Held every two weeks (usually)
    - Wednesday, 15:30 – 17:00, Room 46-260
    - First tutorial: will be announced 1 week before on the website and in the lecture

- Grading by written exam
  - 14.03.2017
  - 13.04.2017 (2nd try)

Administrative Issues



Lecture:
Room 13 - 305

Tutorial:
Room 46 - 260

Administrative Issues

- Lecture notes
  - Available online at:
    http://seda.cs.uni-kl.de/teaching/sqs/ws2016/material/slides/
  - Format: PDF
- Problem sheets
  - Available online at:
    http://seda.cs.uni-kl.de/teaching/sqs/ws2016/material/exercise/
  - Format: PDF
  - Published one week prior to each tutorial session
  - Solutions should be prepared by each student
  - 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

Administrative Issues

- 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

Administrative Issues

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

Administrative Issues

- 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