Software Quality Assurance WS 2010/2011
Welcome!

Administrative Issues

- Lecture held by AG Software Engineering: Dependability
  - http://seda.cs.uni-kl.de/teaching/sqs/ws2010/
  - 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
  - Dipl.-Inf. Max Steiner
    - Email: steiner@informatik.uni-kl.de
    - Phone: (0631) 205-2629
    - Office hours on appointment
    - Room: 32-427
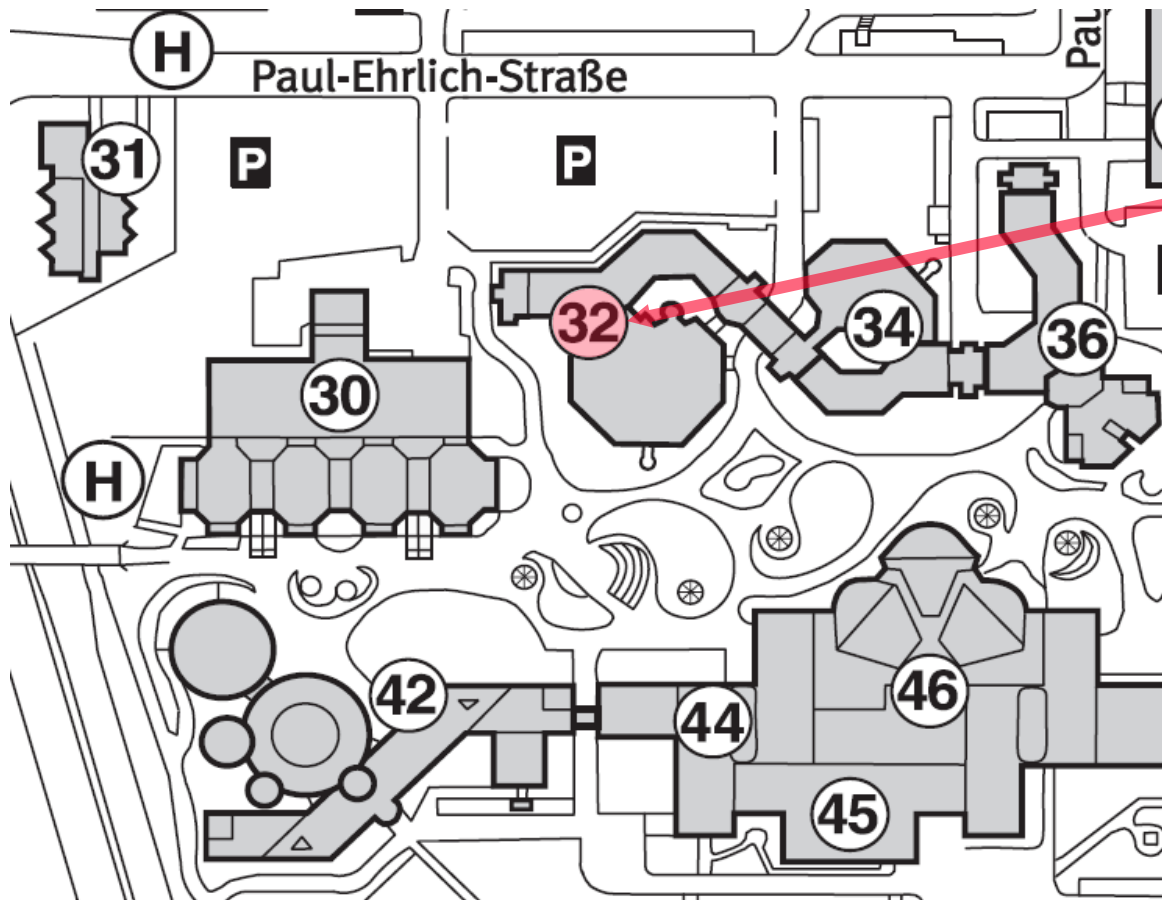
AG Software Engineering: Dependability

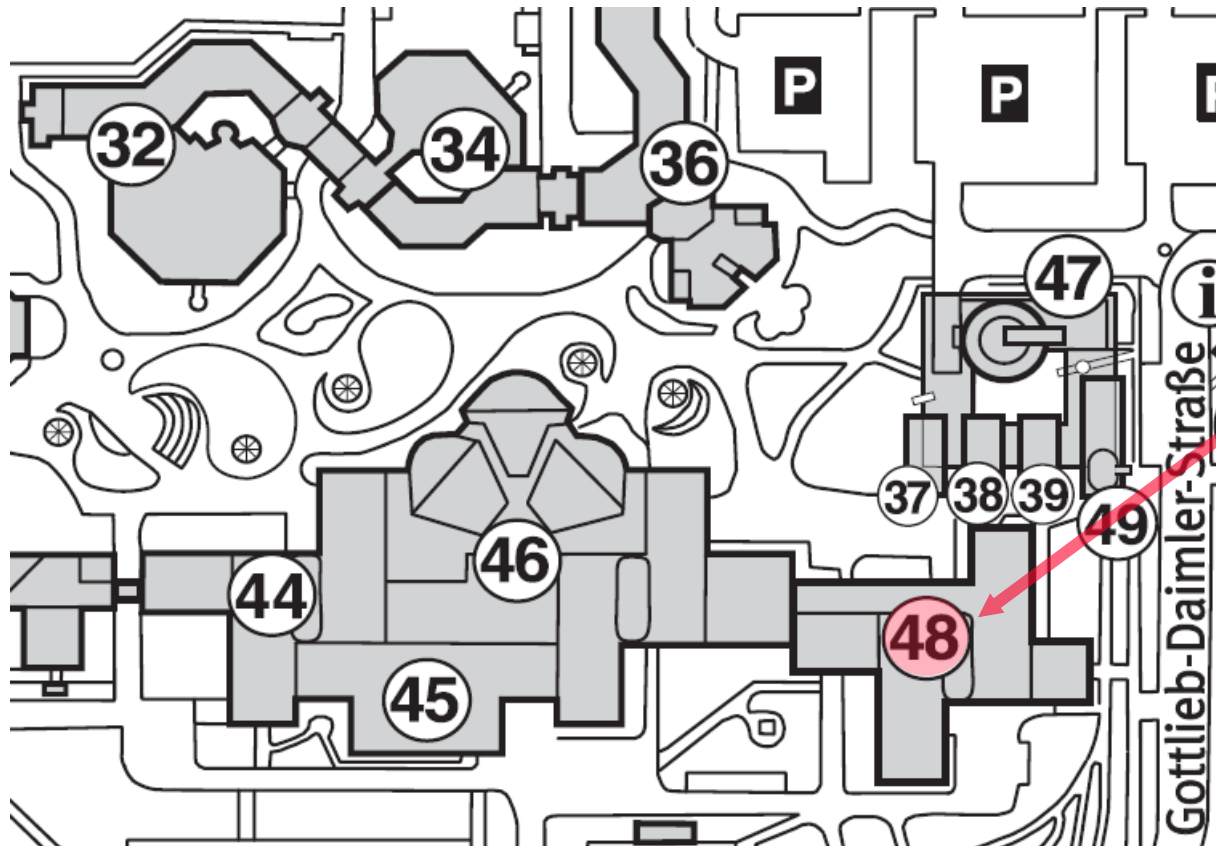Technical University of Kaiserslautern
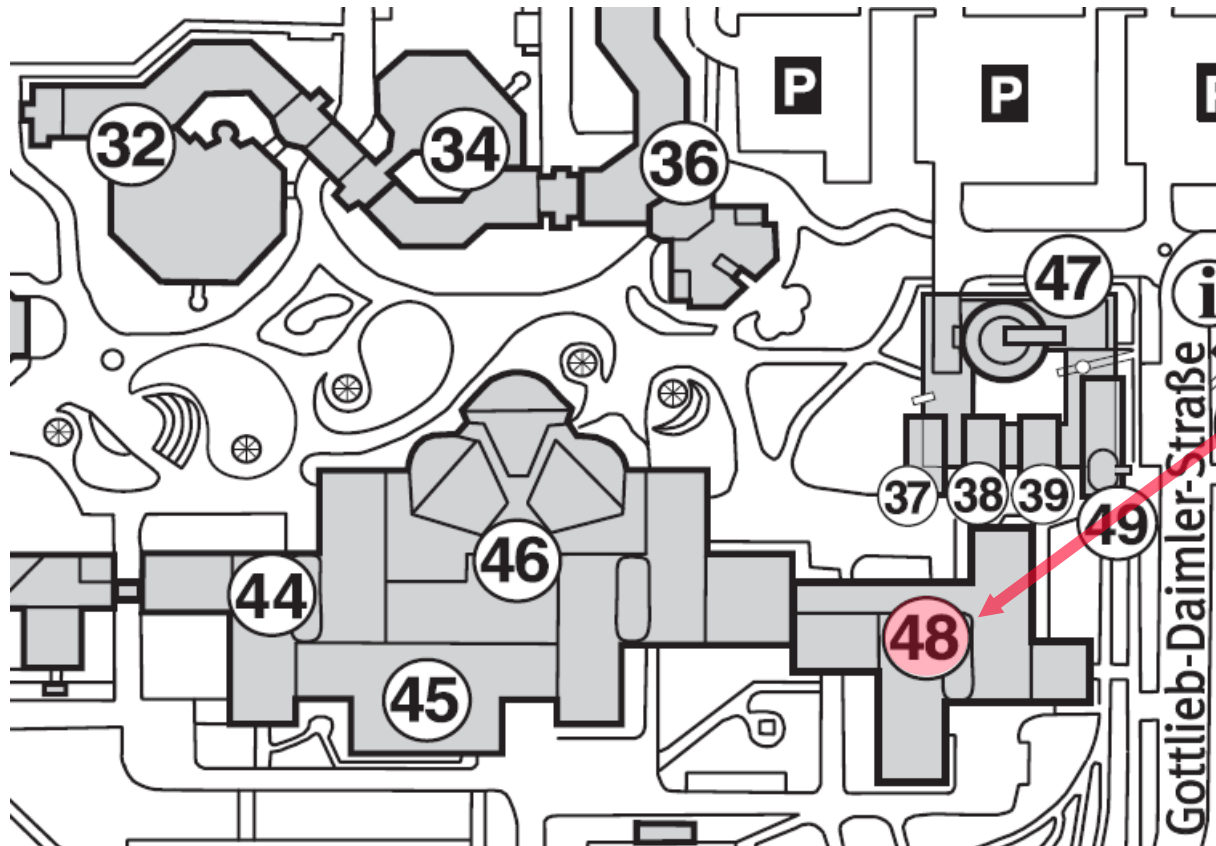Building 32, 4th Floor
P.O. Box 3049
67653 Kaiserslautern
Germany

Administrative Issues

- Schedule
    - Lecture (2 SWS)
        - Held weekly
        - Monday, 8:15 – 9:45, Room 48-462
    - Tutorial (1 SWS)
        - Held every two weeks (usually)
        - Wednesday, 10:00 – 11:30, Room 48-462
        - Start of tutorials: Wednesday, Nov. 3

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

Administrative Issues

Lecture:
Room 48 - 462

SQA – Software Quality Assurance
© Prof. Dr. Liggesmeyer

0101seda010100
software engineering dependability

Turorial:
Room 48 - 462

- Lecture notes
    - Available online at:
      http://seda.cs.uni-kl.de/teaching/sqs/ws2010/material/folien/
    - Format: PDF

- Problem sheets
    - Available online at:
      http://seda.cs.uni-kl.de/teaching/sqs/ws2010/material/exercise/
    - Format: PDF
    - 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

- 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
    - Review and Inspection Techniques
    - Formal Techniques

SQA – Software Quality Assurance
© Prof. Dr. Liggesmeyer

- 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