

# **Software Systems Engineering**

## **Introductory Meeting**

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RWTH Aachen University

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# Master Programme Coordination

- Prof. Dr. Gerhard Lakemeyer
  - office hours: thursdays, 1:00 – 2:00 pm
- Dipl.- Inform. Jost Enderle
  - office hours: by appointment
  - Mail: [msc-pgm@informatik.rwth-aachen.de](mailto:msc-pgm@informatik.rwth-aachen.de)
- Internet
  - [www-i5.informatik.rwth-aachen.de/msc](http://www-i5.informatik.rwth-aachen.de/msc)
  - please subscribe to mailing list [msc2006](#)

# Your Advisor

- Academic Advisors
  - faculty members of the department
  - assigned to each student by next week
  - will advise you regarding the courses you should take
  - will possibly supervise your thesis
- Change of Advisors
  - you may decide to change your advisor
  - depends on the area of specialization you choose
  - your new advisor has to agree
  - please contact [msc-pgm@informatik.rwth-aachen.de](mailto:msc-pgm@informatik.rwth-aachen.de)

# Practical Things to Do ...

- Get a computer account
  - user administration office, Rechnerbetrieb Informatik
  - room 4U16a, Basement, E1
  - office hours:  
Mo 9am – 7pm, Tu-Th 9am – 9pm, Fr 9am – 6pm  
Breaks: Mo-We 1pm – 2pm, Th/Fr 12am – 1pm
  - [www.informatik.rwth-aachen.de/rbi.html](http://www.informatik.rwth-aachen.de/rbi.html)
- Send your current mail address to msc-pgm (if it has changed since application)
- Subscribe to mailing list msc2006!

# SSE: The Programme at a Glance

- What is required? (Duration: 2 years)
  - Practical Computer Science ( $\geq 20$  credits)  
 $\geq 3$  courses ( $\geq 10$ hs of lectures, e.g. 4+4+2hs)
  - Theoretical Computer Science ( $\geq 20$  credits)  
 $\geq 3$  courses ( $\geq 10$ hs of lectures, e.g. 4+4+2hs)
  - Area of Specialization ( $\geq 24$  credits)  
 $\geq 3$  courses ( $\geq 12$ hs of lectures, e.g. 4+4+4hs)
  - Seminar in your area of specialization (4 credits, 2hs)
  - Project Management (4cr/2hs of lectures + 8cr/4hs lab)
  - Master Thesis
  - Free Choice:
    - english-speaking: German Language classes (ZDaF)
    - german-speaking: any lecture/seminar/lab/course (with grade!)

# Sample Schedule

Fall	Spring	Fall	Spring
4 courses (4+4+2+2 hs)	3 courses (4+4+4 hs)  Seminar (2 hs)	2 courses (4+4 hs)  Project Man. + Lab.	Master Thesis

# Chairs / Teaching and Research Areas

- Overview:
  - [www.informatik.rwth-aachen.de/fgi/struktur/lehrstuehle\\_en.html](http://www.informatik.rwth-aachen.de/fgi/struktur/lehrstuehle_en.html)
- 12 Chairs
  - 1 „chair professor“ each (head of department)
  - 1 or more additional professors (teaching and research areas)
- Details on chairs:
  - Follow links on overview site
  - Switch the language, if necessary
  - Check the „teaching“ and „research“ links

# Area of Specialization

- During the programme, you have to choose an area of specialization
- Possible areas of specialization coincide essentially with the research areas of the faculty members
- You have to clarify with your academic advisor which courses belong to your area of specialization
- You may change your academic advisor according to the area of specialization you choose

# Courses Offered

- Practical Courses
- Theoretical Courses
- Information on Courses
  - **CAMPUS (information system of RWTH)**
    - [www.campus.rwth-aachen.de/rwth/all\\_en/groups.asp](http://www.campus.rwth-aachen.de/rwth/all_en/groups.asp)
    - Nichtkonsekutive/internationale Masterstudiengänge (M.Sc.)
    - Software Systems Engineering (M.Sc.)
  - **For German-speaking students:**
    - Diplomstudiengänge
    - Informatik
  - **Detailed descriptions on the chairs' websites**

# Information about Exams

- For all courses (practical, theoretical, area of spec.):
  - exam at the end of the course
  - either oral (30 min) or written (60 – 90 min)
  - admission to exams may have prerequisites, e.g. 50% of homework assignments
- Registration for Exams
  - you have to register for each exam
  - either via internet (CAMPUS-Office)
    - this semester: between Nov 27th and Dec 15th
  - or personally at the Central Examination Office
    - this semester: Dec 14th and 15th (in the morning)

# Central Examination Office

- Location
  - in the basement of the AUDIMAX building
  - registration officer in room 18
- Things to do when registering
  - present your student I.D.
  - tell the name of the Master Programme (Software Systems Engineering)
  - tell the title of the course and the name of the instructor
- (Be prepared to speak German or to have someone with you speaking German)

# Master Thesis

- Usually during the final six months of the programme
- Before:
  - Topic is usually chosen from your area of specialization
  - Registration is necessary
  - Prerequisites: successful completion of
    - theoretical and practical area
    - seminar and project management (lecture and lab)
- After:
  - Thesis will be graded by your advisor and another faculty member
  - You have to present and defend your thesis within an oral presentation.

# Scholarships for 2nd SSE year

- The grant
  - 300 Euros per month for 3rd and 4th semester
  - limitations:
    - no other scholarships
    - additional work not more than 10 hours per week
- Personal requirements
  - enrolled in a master programme at RWTH Aachen
  - bachelor degree grading equals German „very good“
  - performance in first two semesters far above average
  - ZDaF certificate after first two semesters of programme
- Will be announced

# Prolongation of residence permit

- If you cannot finalize programme in time, it is possible to prolongate your residence permit
- Procedure:
  - get your intermediate transcripts at the central examination office
  - get a certificate at the international office
  - take certificate to aliens department of local authorities
- Further information:
  - Ulrike Brands
  - [ulrike.brands@zhv.rwth-aachen.de](mailto:ulrike.brands@zhv.rwth-aachen.de)

# Transfer of Credits

- Transfer credits to speed up your studies
- What can be transferred
  - credits from your bachelor and master programmes so far
  - programmes should have taken equal or more than four years
  - courses should be similar to courses in the SSE programme
  - only for practical or theoretical computer science (not for area of specialization)
  - maximum: 20 credits
  - grades of transferred courses have to be better than German 3.0
- Deadline: November 30th, 2005
  - we will send detailed instructions

# Software Systems Engineering

## Questions?