saarland-informatics-campus.de

Saarland Informatics Campus

Welcome for Master Students in Computer Science

Prof. Vera Demberg and Prof. Martina Maggio
Dean of Studies and former Dean of Studies, 10.10.2024

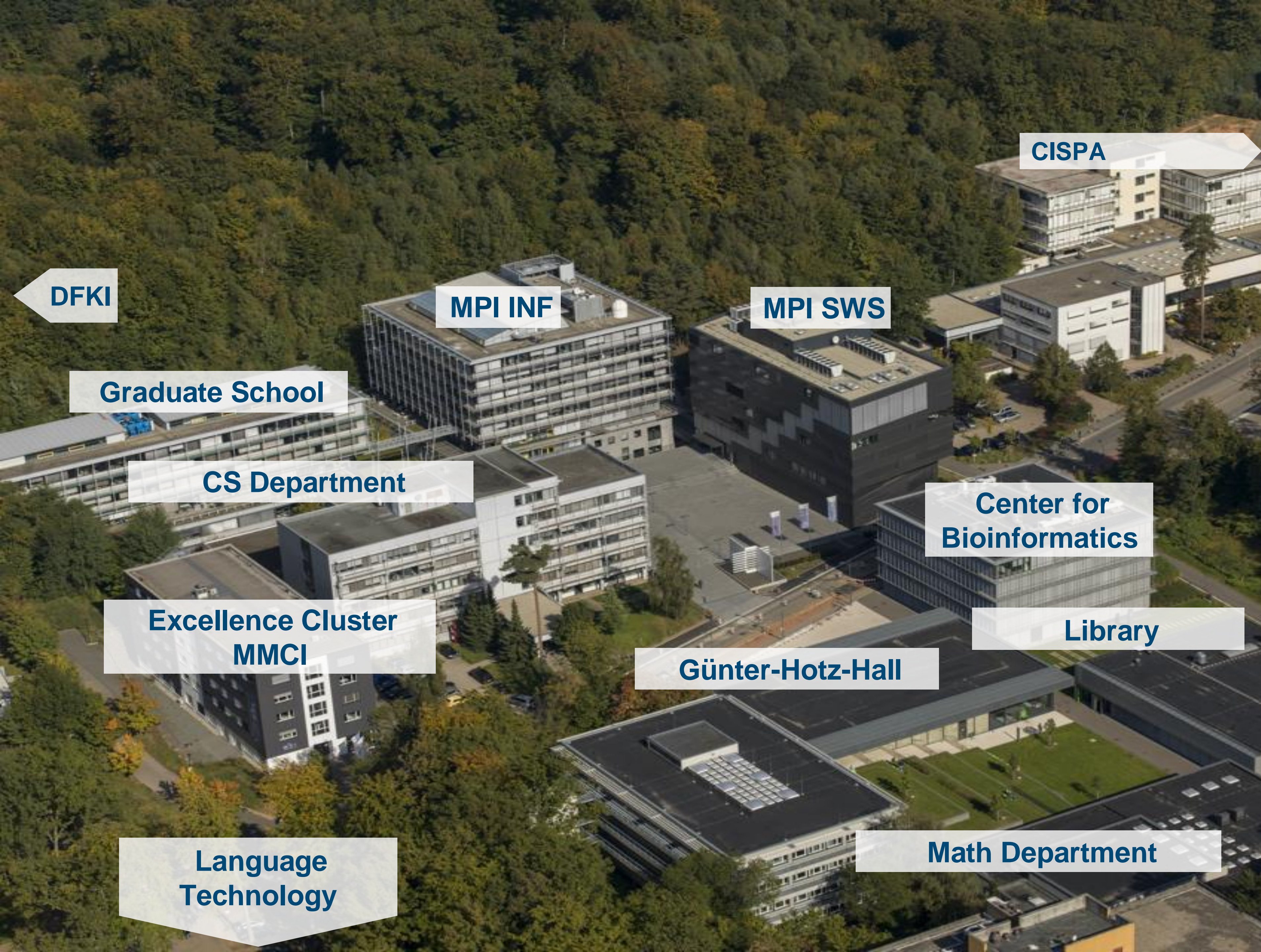UNIVERSITÄT DES SAARLANDES

SIC Saarland Informatics Campus

Welcome at SIC

Click:

https://saarland-informatics-campus.de/en/

CISPA

DFKI

MPI INF

MPI SWS

Graduate School

CS Department

Center for Bioinformatics

Excellence Cluster MMCI

Library

Günter-Hotz-Hall

Language Technology

Math Department

UNIVERSITÄT DES SAARLANDES

CBI CENTER FOR BIOINFORMATICS

M²CI CLUSTER OF EXCELLENCE

CISPA HELMHOLTZ CENTER FOR INFORMATION SECURITY

DFKI

max planck institut informatik

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS

About us

- **4 informatics institutes** and **3 collaborating departments** on campus

- **2k+ students** from **80+ countries**

- **~ 75 research groups**, 500+ doctoral candidates

- **~ 800 scientists** at Saarland Informatics Campus

- 24 informatics study programs, **16 research fields**

- **6 Konrad Zuse** Medals
  38 ERC Grants
  7 Leibniz Awards

More about us:

https://saarland-informatics-campus.de/en/ueberuns-aboutus/

Outstanding career prospects

Plenty of different work experience opportunities:

- You can work as a research assistant in the computer science department or at one of the five associate institutes or as an intern at one of the many start-ups and IT companies in the region (Dillinger, Saarstahl, ZF, Hydac, SAP and so on)

With a degree from Saarbrucken, you will be an ideal candidate for jobs in leading companies in the high-tech industry:

- Cooperations between our campus and numerous international organizations (more than 100), such as Google, Microsoft, Facebook, Intel, Samsung, IBM, EADS, Microsoft, Bosch, Airbus, Siemens, etc.

If you wish to pursue a career in academia, you can stay on with us:

- The Saarbrücken Graduate School of Computer Science provides an optimal environment for pursuing doctoral studies in computer science at an internationally competitive level

Saarland University provides a broad range of support for budding entrepreneurs:

- Since 2005 more than 100 spin-offs
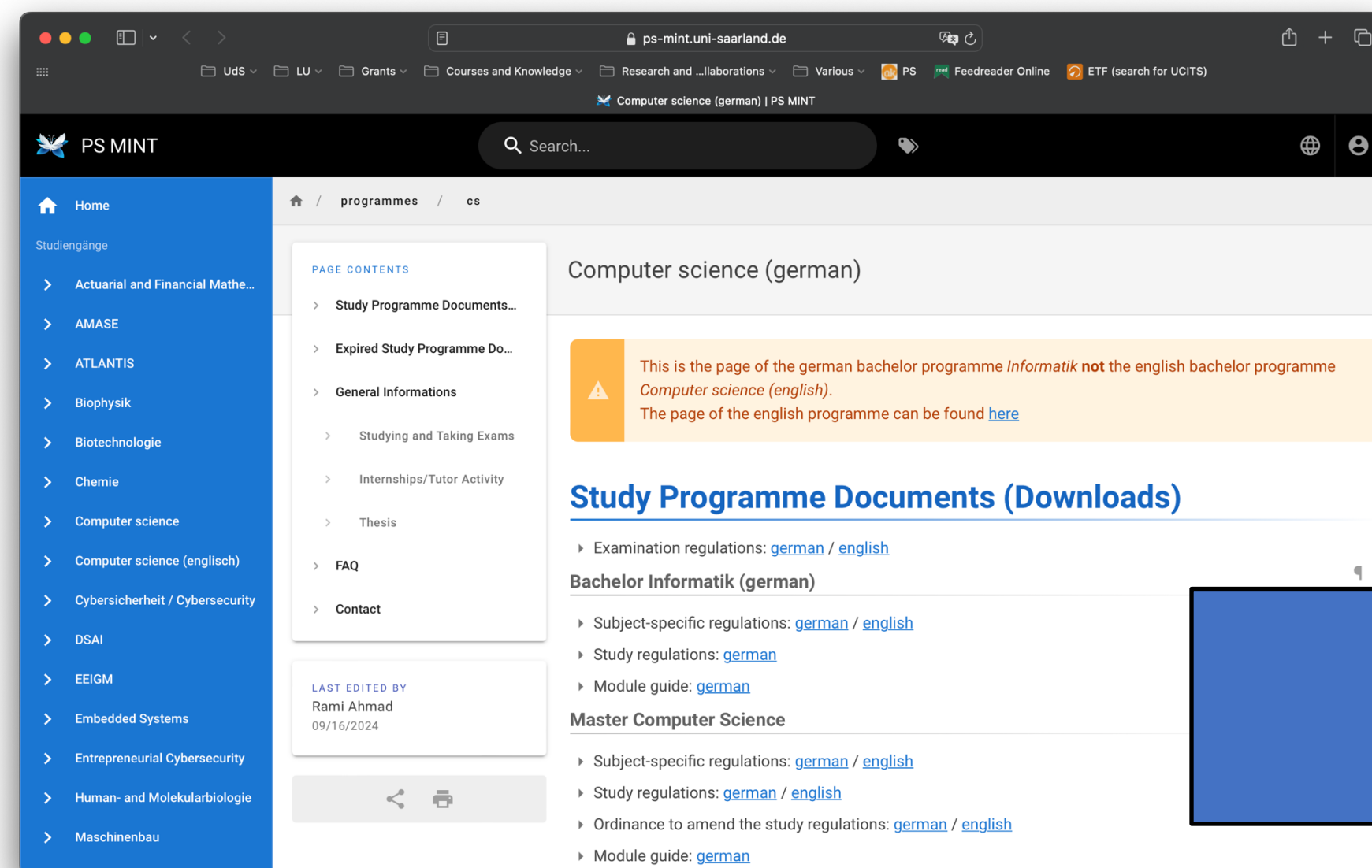
Your Studies at Saarland University

Study Regulations 2015 for Master of Computer Science

Read your study documents carefully!

Examination regulations, subject-specific regulations and study regulations:

https://www.ps-mint.uni-saarland.de/en/programmes/cs

You should know your rights and duties as student!

Study Regulations for Master's programme Computer Science

1. 27 graded credits in the category of core lectures in computer science

2. 27–31 graded credits in the categories of core lectures, advanced lectures, or seminar in computer science (here: at most 1 seminar!)

3. 7 graded credits in the category of seminars in computer science

4. At least 17 ungraded credits must be acquired by:

   - Further courses in computer science

   - Master practical training in research groups at CS department

   - Internship in a company (max. 6 CP); approved by the examination board

   - Leading a tutorial (tutor)

   - Language courses (max. 6 CP, living language)

   - Courses from other departments, which have been applied for and approved by the examination board (e.g. in mathematics, business informatics or computer linguistics)

5. 12 graded credits for the Master's seminar and 30 CP for the Master's thesis

Example Course List: All our <u>core courses</u> (offered at least every two years)

Algorithms and Data Structures   Data Networks

Artificial Intelligence   Operating Systems   Semantics

Automated Reasoning   Distributed Systems

Compiler Construction   Complexity Theory   Optimization

Computer Algebra   Machine Learning   Computational Logic

Computer Graphics   Embedded Systems   Cryptography

Data Base Systems   Security

Software Engineering   Digital Transmission, Signal Processing

Image Processing an Computer Vision

Human Computer Interaction   Verification

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Course catalogue (LSF)

How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science $\longrightarrow$ Courses on Computer Science

https://www.lsf.uni-saarland.de/qisserver/rds?state=wtree&search=1&trex=step&root120231=342429%7C351915%7C352746&P.vx=kurz&noDBAction=y&init=y

Basic Lectures and Introductory Seminars can only be taken by bachelor students

YOUR STUDIES

Course list (Core lectures)

How to choose a lecture – example: ICL

current semester

Example master's program Computer Science

Sem.	Course			
1	Core course	Core course	Advanced course	Language course
2	Core course	Core or advanced course	Seminar	Advanced course
3	Masterseminar 12 CP	Seminar	Advanced course	Advanced course
4	Thesis 30 CP			

Control of progress

Full-time students are expected to deliver the following minimum requirements in the Master course of study:
- At least 9 credits after 1 semester
- At least 30 credits after 2 semesters
- At least 60 credits after 4 semesters
- At least 90 credits after 6 semesters

In case a student does not meet the minimum requirements for the second time, he/she shall **lose the right to participate in examinations**.

Students shall be given the opportunity to make a written statement before the examination board makes the final decision in the matter.

Examination registration

Please notice: For **all examinations** you have to register in LSF **one week before** the exam at the latest (final exam <u>and/or</u> re-exam)! **A delayed registration is not allowed!**
A withdrawal is possible **one week** before the respective exam at the latest; later only with a medical certificate!

Only for core lectures: You can improve a grade in a core course if you pass the final exam and take part in the re-exam **in the same exam period**. The better grade counts.

An examination that was awarded a fail grade may be **repeated twice**.

For some <u>courses</u> e.g. seminars you have <u>also</u> to register before the course starts (limited number of participants): Please have a look at the respective website because of the conditions for registration.
Seminar registration: https://seminars.cs.uni-saarland.de/
A withdrawal from a seminar registration is only possible three weeks after getting the topic for presentation.

Problems? Please contact the study coordination!

Contacts

Study Coordinators: Dr. Rahel Stoike Sy and Barbara Schulz-Brünken
Assistance in your study organisation and progress:
questions about the examination and study regulations, academic or personal problems,
  information about exchange semesters, etc.
Building E1.3, rooms 209 and 207
Office hours: please book an online or on-site appointment: https://www.uni-saarland.de/en/department/department-of-computer-science/department.html
Emails to: studium@cs.uni-saarland.de

Examination office: Bianca Fauß and Jacqueline Pennekamp
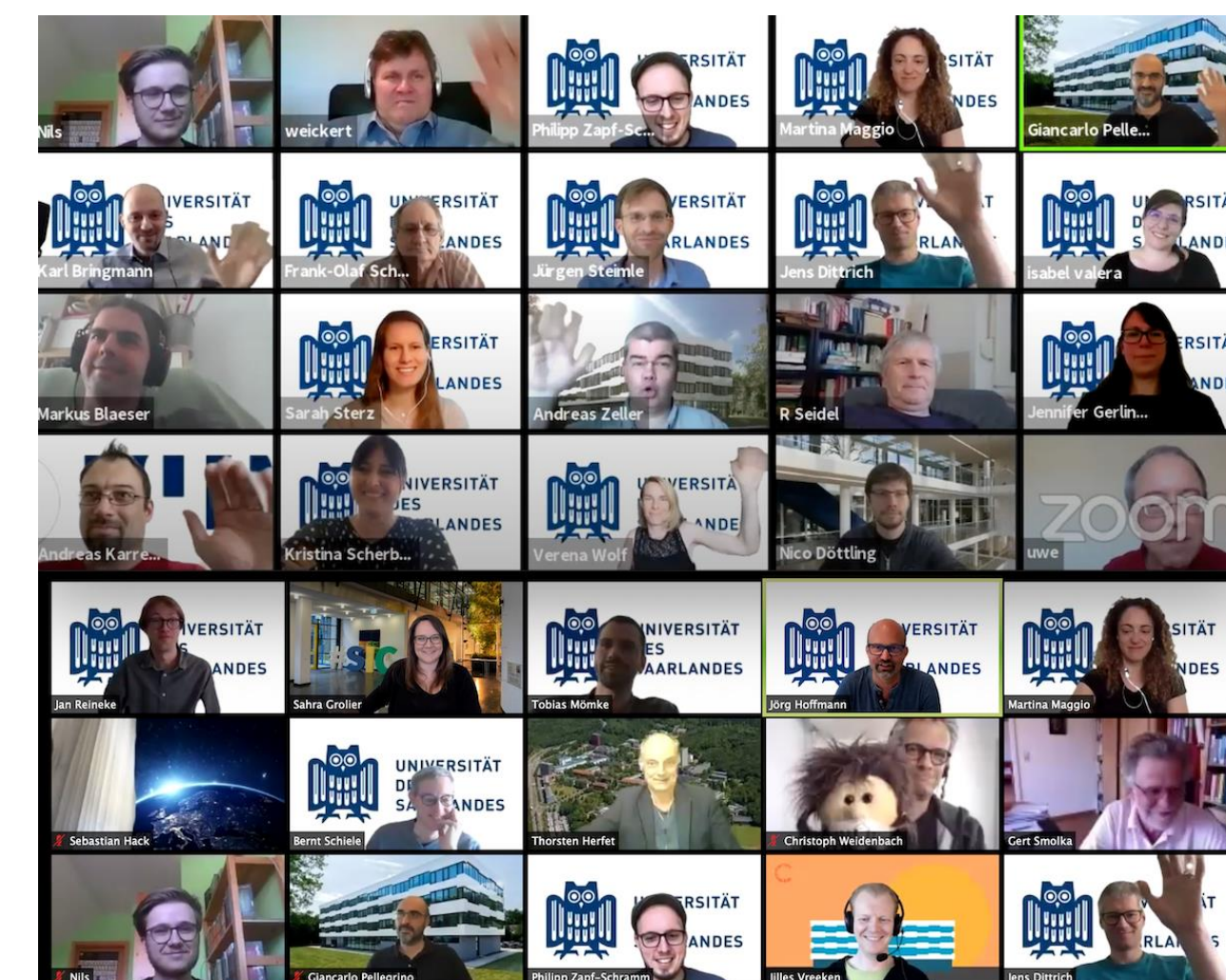Administration and processing of your programme achievements:
Transcript of record, registration master thesis, official certificates, recognition of external
  academic achievements, etc.
Building E1.3, room 202
Office hours: Mondays, Tuesdays and Thursdays, 9.30 -11.00 a.m. (information on website)
Emails to: cs@ps-mint.uni-saarland.de

SIC System Administration: https://it.cs.uni-saarland.de/

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Enjoy your studies!
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