saarland-informatics-campus.de

Saarland Informatics Campus

Welcome for Master Students in Computer Science

Prof. Martina Maggio, Vice Dean of Studies, 23.10.2023
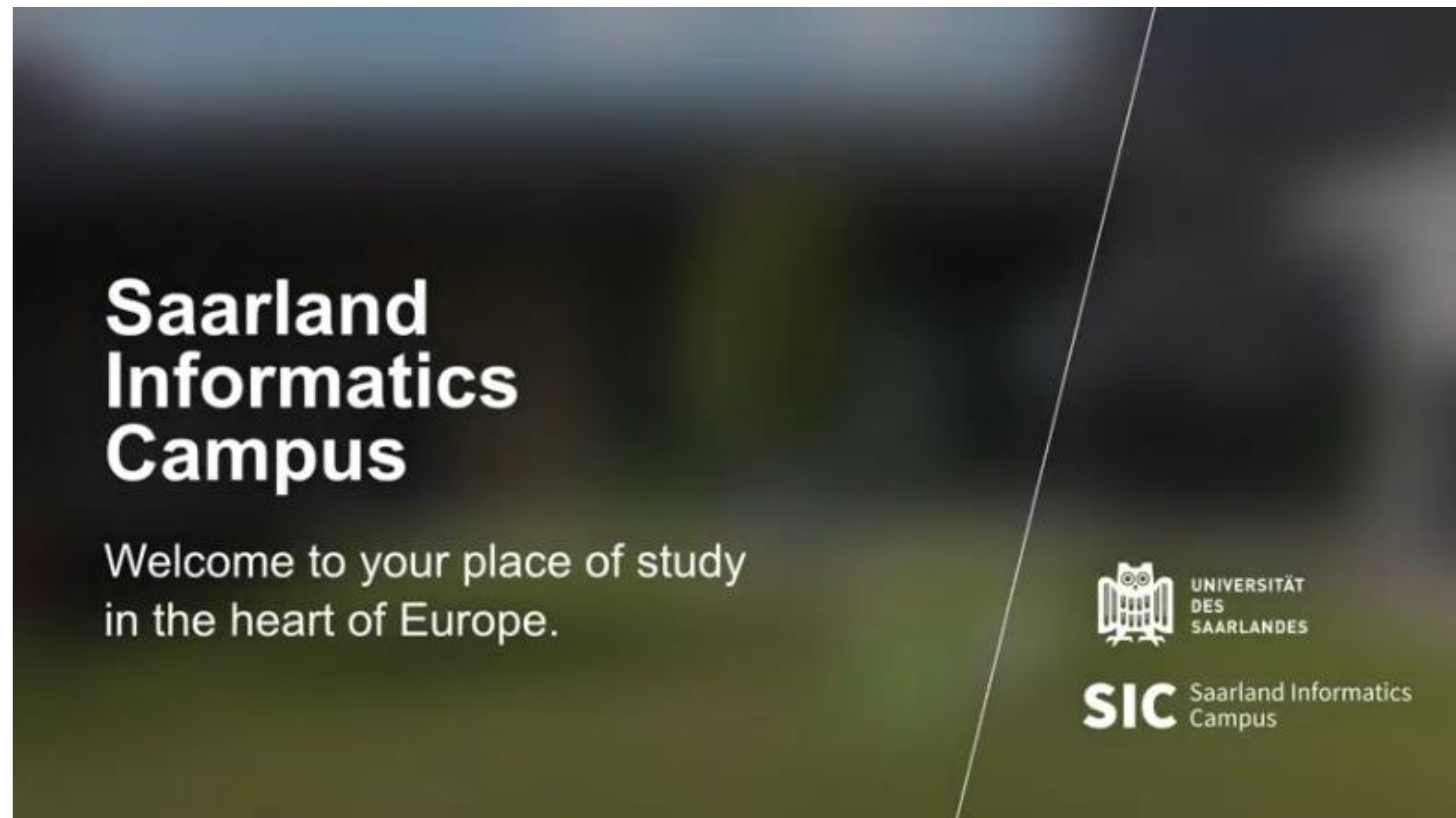
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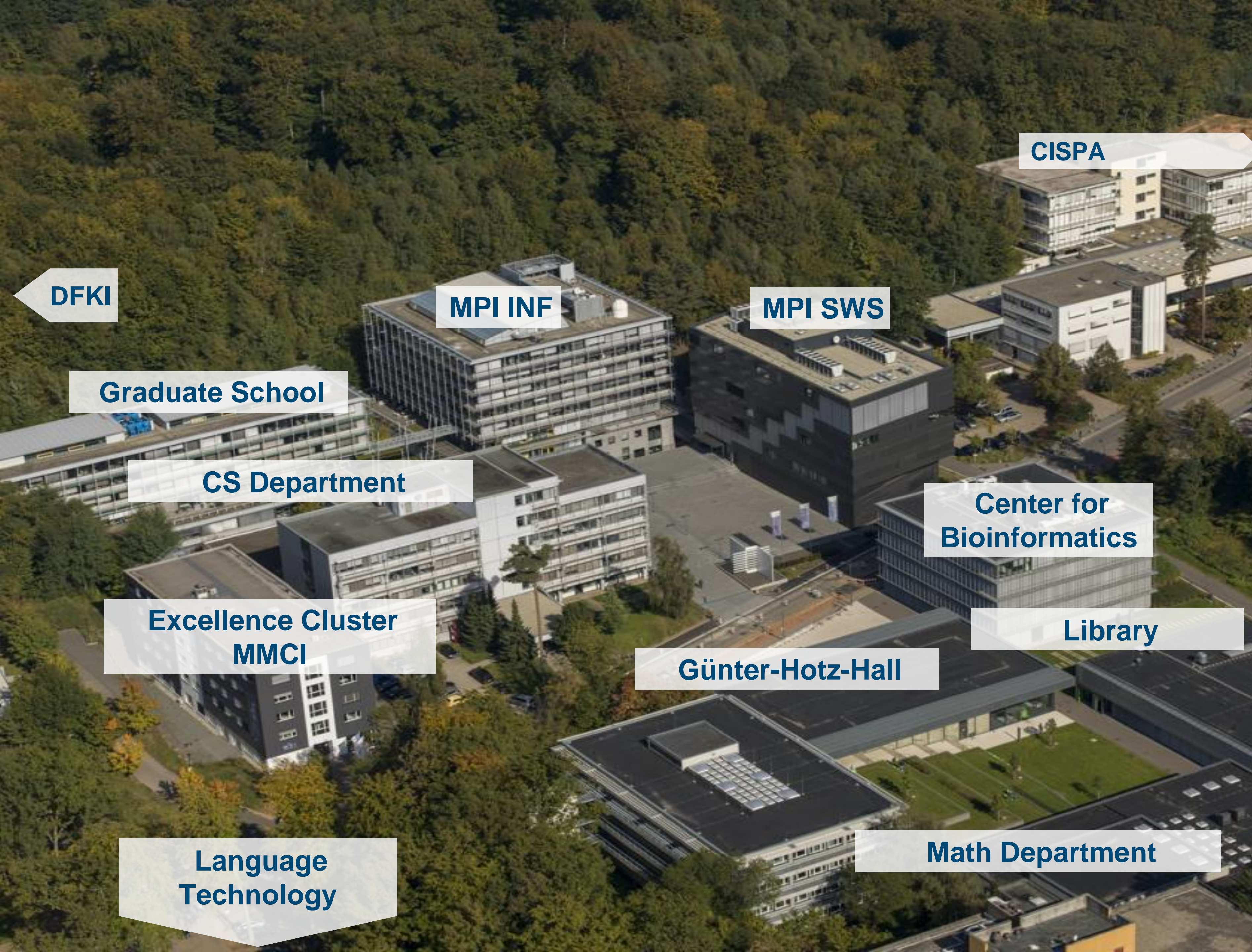DES
SAARLANDES

SIC Saarland Informatics Campus

Welcome at SIC

Click:

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

About us

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

- Around **2,100 students** from more than **80 countries**

- **74 research groups**, 300 doctoral candidates

- **~ 800 scientists** at SIC

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

- **5 Konrad Zuse** Medals**, 28 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

Students in BSc and MSc Informatik/Computer Science

- In total: 354 bachelor students and

    395 master students in Computer Science

- Students from around 80 different countries in the CS department

- 61 professors and co-opted professors

- As well as 45 junior research groups

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

Study Regulations for Master of Computer Science - current version from 2015

Read your study documents carefully!

Examination regulations, subject-specific regulations and study regulations:

https://www.ps-mint.uni-saarland.de/index.php?id=195&L=3

You have to 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 <u>computer science</u>

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   Verification

Human Computer Interaction

Course catalogue (LSF)

How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science ⟶ Courses on Computer Science

https://www.lsf.uni-saarland.de/qisserver/rds?state=wtree&search=1&trex=step&root120201=253136|251379|252597|255390&P.vx=kurz&noDBAction=y&init=y

Course list (Core lectures)

How to choose a lecture – example: ICL

current semester

Course Overview

View: > **short** > me

- ⓘ Vorlesungsverzeichnis
  - ➜ ⓘ Mathematics and Computer Science
    - ➜ ⓘ Computer Science
      - ➜ ⓘ Courses on Computer Science
        - ➜ ⓘ Core Lectures

Lect.-No.	Lecture	Type
122116	Artificial Intelligence - Hoffmann , Koehler	Lecture / Exercise/problem-solving class
123525	Cryptography - Döttling	Lecture / Exercise/problem-solving class
123526	Introduction to Computational Logic - Smolka	Lecture / Exercise/problem-solving class
123531	Optimization - Karrenbauer	Lecture / Exercise/problem-solving class
123532	Embedded Systems	Lecture / Exercise/problem-solving class
123537	Data Networks - Feldmann	Lecture / Exercise/problem-solving class
123678	Image Processing and Computer Vision - Weickert , Mitarbeiter des Lehrstuhls	Lecture / Exercise/problem-solving class

Example !

Introduction to Computational Logic - Einzelansicht

Zurück

Funktionen: markierte Termine vormerken

Seiteninhalt: Grunddaten | Termine | Zugeordnete Person | Studiengänge | Hochschulstruktur | Inhalt | Strukturbaum

Grunddaten

Veranstaltungsart	Vorlesung / Übung	**Langtext**
Veranstaltungsnummer	136477	**Kurztext**
Semester	SoSe 2022	**SWS**
Erwartete Teilnehmer/-innen		**Max. Teilnehmer/-innen**
Turnus		**Veranstaltungsanmeldung** Keine Veranstaltur
Credits		
Weitere Links	https://cms.sic.saarland/icl_22/	
Sprache	englisch	

Example !

Please follow the instructions given on the webpage and/or join the first lecture

Termine Gruppe:

	Tag	Zeit	Turnus	Dauer	Raum	Raum-plan	Lehrperson	Status	Bemerk
▶	Mi.	12:00 bis 14:00	woch		Gebäude E1 3 - Hörsaal II (0.02.1)				
▶	Fr.	14:00 bis 16:00	woch		Gebäude E1 3 - Hörsaal II (0.02.1)				

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			

Progress monitoring

Full-time students are expected to deliver the following <u>minimum</u> 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.

(in a regular semester a student should earn around 30 CP)

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** (i.e. three attempts in total).

For seminars: shortened registration/withdrawal period in LSF: only possible up to three weeks after getting the topic for presentation.

Seminar registration: https://seminars.cs.uni-saarland.de/
(limited number of participants)

Problems? Please contact the study coordination!

Contacts

Study Coordinators: Dr. Tanja Breinig 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: Tuesday and Thursday, 11 a.m.-1 p.m. (please book an online appointment via
MS Teams): https://www.uni-saarland.de/en/department/department-of-computer-science/department.html

Emails to: studium@cs.uni-saarland.de

Examination office: Bianca Schaum and Jacqueline Pennekamp

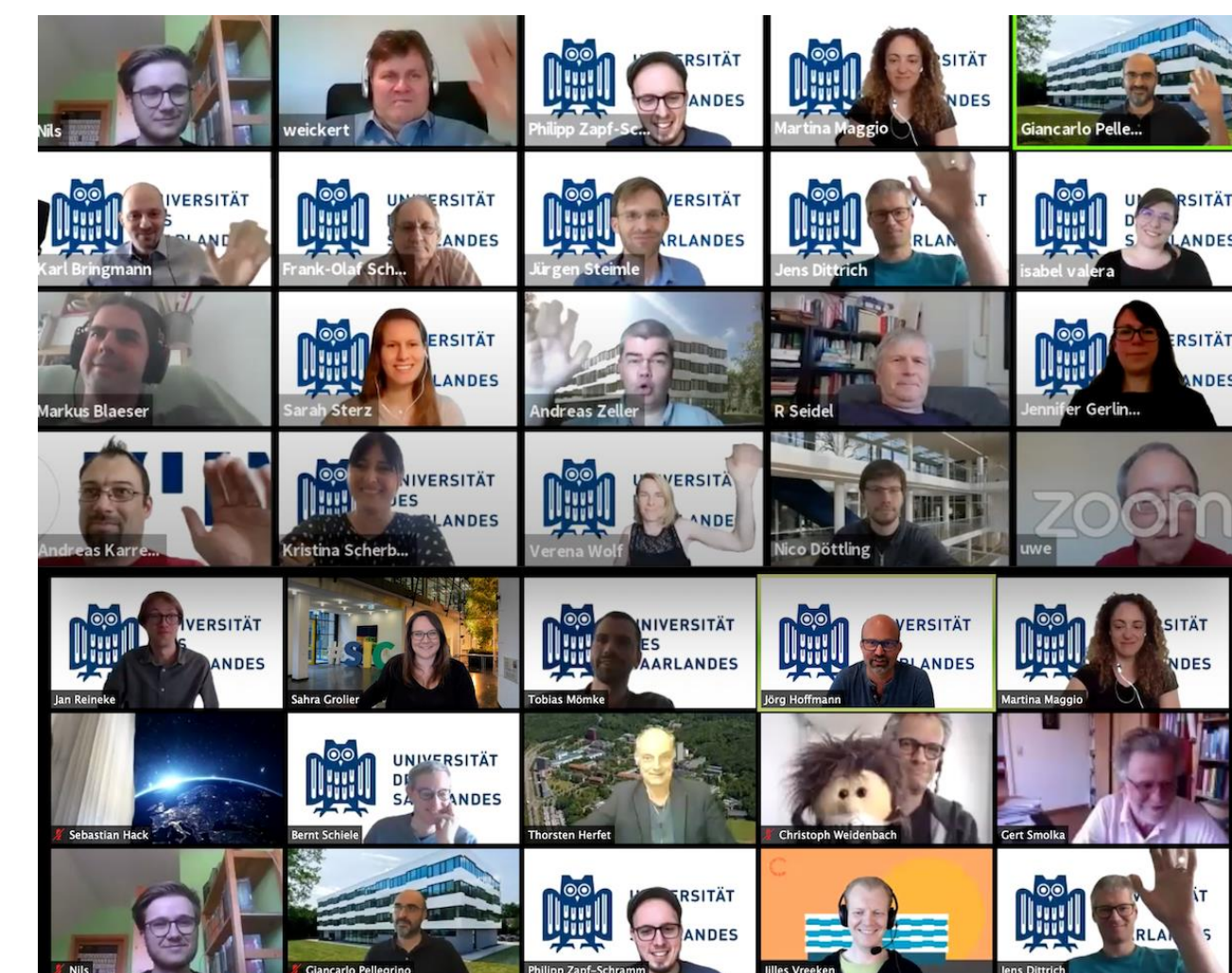Administration and processing of your programme achievements:

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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Saarland Informatics Campus #SIC

Follow us on Twitter
@SIC_Saar

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UNIVERSITÄT DES SAARLANDES

CBI CENTER FOR BIOINFORMATICS

M²CI CLUSTER OF EXCELLENCE

DFKI German Research Center for Artificial Intelligence

mpii max planck institut informatik

MAX PLANCK INSTITUTE FOR SOFTWARE SYSTEMS

Enjoy your studies!
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