Master of Science in Computer Science

Department of Electrical Engineering & Computer Science (ETI)

Introduction to International Students

- Overview Computer Science Master

- Examination Office

- Further Corona Regulations

- Contact

Education

Study Environment

- The international Computer Science M.Sc. program provides theoretical and practical modules in small classroom settings.

Study Foci: The Master Program has two foci

- ***Embedded Systems (ES)*** includes for example
  - Cyberphysical Systems, Micro System Engineering and Ubiquitous Computing
- ***Visual Computing (VC)*** includes for example
  - Computer Vision, Computer Graphics and Machine Learning

The Master Program further comprises scientific seminars, project group work and the Master thesis

Career Perspective: ES & VC are essential for e.g. autonomous driving, health care & smart production
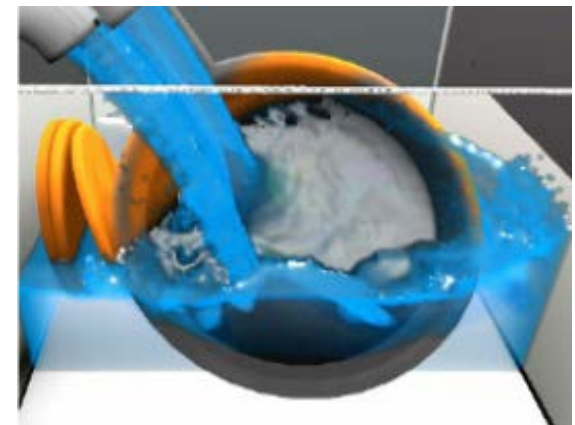
Research Opportunities

The Department of Electrical Engineering & Computer Science offers a large variety of research projects in different areas in which Computer Science Master students can get involved.

Major fields of research are:
- *Computational Sensorics*
- *Computer Vision*
- *Computer Graphics*
- *Data Communication*
- *Distributed Systems*
- **Embedded Systems**
- **Imaging Sensors**
- **Machine Learning**
- **Ubiquitous Computing**
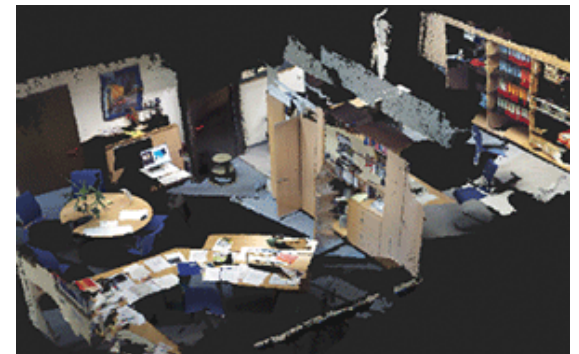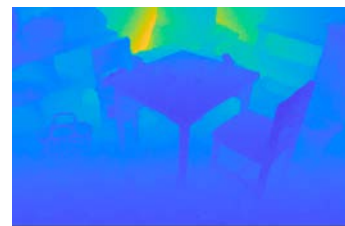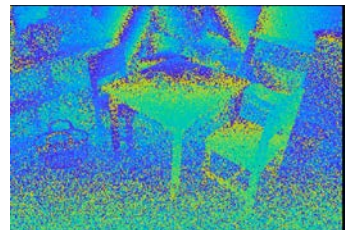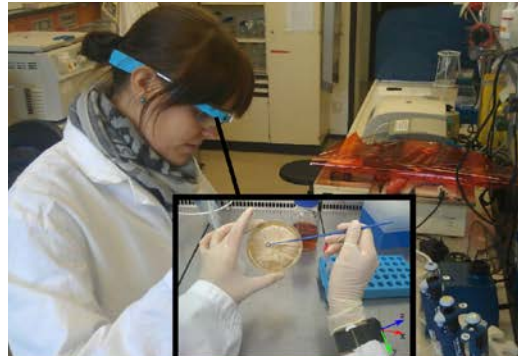
- The 4-semester structure of the CS master

	1. Semester	2. Semester	3. Semester	4. Semester
5 ECTS	Core Modules	Project Group		Master Thesis (including defense)
5 ECTS				
5 ECTS		Core Module	Specialization Modules	
5 ECTS	Specialization Modules	Seminar		
5 ECTS		Specialization Modules		
5 ECTS				

– 4 core modules (5 CP each)

– 45 CP specialization courses (ES or VC)

– Project group of at least 4 students

- Core modules (5 CP each):
  - Courses taught in English:
    - Winter term: Algorithms I, Computer Architecture II, Embedded Systems, Parallel Computing
    - Summer term: Computer Graphics II, Logic II
  - Courses taught in German: Computer Networks II (summer), Software Engineering II (summer)
- Further course details see http://www.master-cs.eti.uni-siegen.de/sites/www.master-cs.eti.uni-siegen.de/files/Dateianhaenge/modulliste-1909.pdf

(see also
www.master-cs.eti.uni-siegen.de/en/first-semester-information)

Further Course Information

- International freshmen have to enroll online https://www.uni-siegen.de/starting/registration/index.html.en

- Lecture period in this winter term is Oct. 26th 2020 to Feb. 12th

- All CS courses will be offered in online mode

- General information to the CS master see http://www.master-cs.eti.uni-siegen.de/

- Timely registration for your courses in UNISONO in crucial! This is the only way for teachers to get in touch with you!

- UNISONO hints can be found here:
  - https://www.uni-siegen.de/phil/studium/studienorganisation/leitfaeden/enrolling_for_courses_in_unisono.pdf
  - https://www.youtube.com/watch?v=zDIJMgpVkeE

- Written exams for this winter term are be held in April (formally in the summer term), namely
  - Deep Learning
  - Embedded Control
  - Electrical and Electronic Engineering I
- Oral exams can be taken within the winter term
- Even at a distance: Stay in touch classmates
- Student representatives (FSR)
  - Telegram: https://t.me/joinchat/AOIQo0uJFdng99O3Xb1lng

German Courses

Das Sprachenzentrum

UNIVERSITÄT SIEGEN
Sprachenzentrum

Sprachkurse in DaF, Englisch, Spanisch und 11 weiteren Sprachen
Language courses in DaF, English, Spanish and 11 others languages

Sprachcafé
Language Café

TestDaF
Test Deutsch als Fremdsprache

Fachsprachen und Kurse zu Schlüsselkompetenzen
Languages for Specific Purposes and courses on key skills

ETS TOEIC
ETS TOEFL

onSET

Sprachlerntandem
Language Tandem

Filmabende
Movie nights

Exkursionen
Excursions

Anmeldung über unisono
Register via unisono

QVM-Projekte:
Arabisch, Portugiesisch, Finnisch
QVM projects:
Arabic, Portuguese, Finnish

www.uni-siegen.de/sprachenzentrum

- <u>Essential information</u> related to exams, the examination office and the examination board

- Screen cast explaining

  - Essential information slides

  - Important aspects of the uniform regulations applying to all study programs

(see also www.master-cs.eti.uni-siegen.de/en/first-semester-information)

Courses in Times of Corona

- Please respect the fundamental rules the pandemic demands (distancing, wearing masks, washing hands)

- Please pay attention to the specific rules in the University's building (one-way stairs, single person elevator use, etc.)

- Stay in (digital) touch with your teachers! This is how the University of Siegen is different from cousera/udemy, edX, etc.
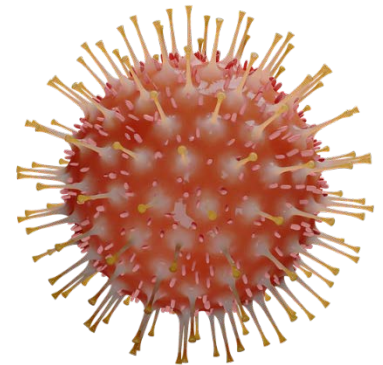
Please stay updated via the University's Corona website
https://www.uni-siegen.de/corona/index.html.en?lang=en

Courses in Times of Corona

- If you feel sick, stay home!
- If you are in Siegen and tested positive for Corona or there is a suspicion of infection, call the

+49 (0) 271/740-5555.

- Fear of an infection, problems during your studies, and social distancing can be difficult to deal with. Psychological support for students:

Emine Selvi
Room: AR-SSC 0.19

Anna Elisabeth Schäfer
Room: AR-SSC 0.18

[psychologische-beratung @zv.uni-siegen.de](mailto:psychologische-beratung@zv.uni-siegen.de)

Contact

Mentors:
- Embedded Systems: Prof. Roman Obermaisser
  roman.obermaisser@uni-siegen.de
- Visual Computing: Prof. Andreas Kolb
  andreas.kolb@uni-siegen.de

R. Obermaisser   A. Kolb

Examination office:
Ms. Andrea Baule
pruefungsamt-inf@uni-siegen.de

A. Baule   F. Afzal

International student advisor:
Faria Afzal
igs.advisor@nt.uni-siegen.de

Chair of the examination committee:
Prof. Dr. Roland Wismüller
Roland.wismueller@uni-siegen.de

R. Wismüller