

SAARBRÜCKEN

6TH SUMMER SCHOOL ON COMPUTATIONAL INTERACTION

INFERENCE, OPTIMIZATION AND MODELING FOR THE
ENGINEERING OF INTERACTIVE SYSTEMS | 13 - 18 JUNE 2022

WELCOME

Anna Maria Feit and Jürgen Steimle

Saarland University

A campus university in the middle
of Europe with global reach:
**16,800 students, 6 faculties,
131 study programs.**





Saarland Informatics Campus – Unique in Europe

**16 research fields and
18 joint study programmes**

**2,000 students,
300 doctoral candidates and
500 scientists from over
80 nations**

Saarland Informatics Campus

Departement of Computer Science

German Research **Center** for Artificial Intelligence (DFKI)

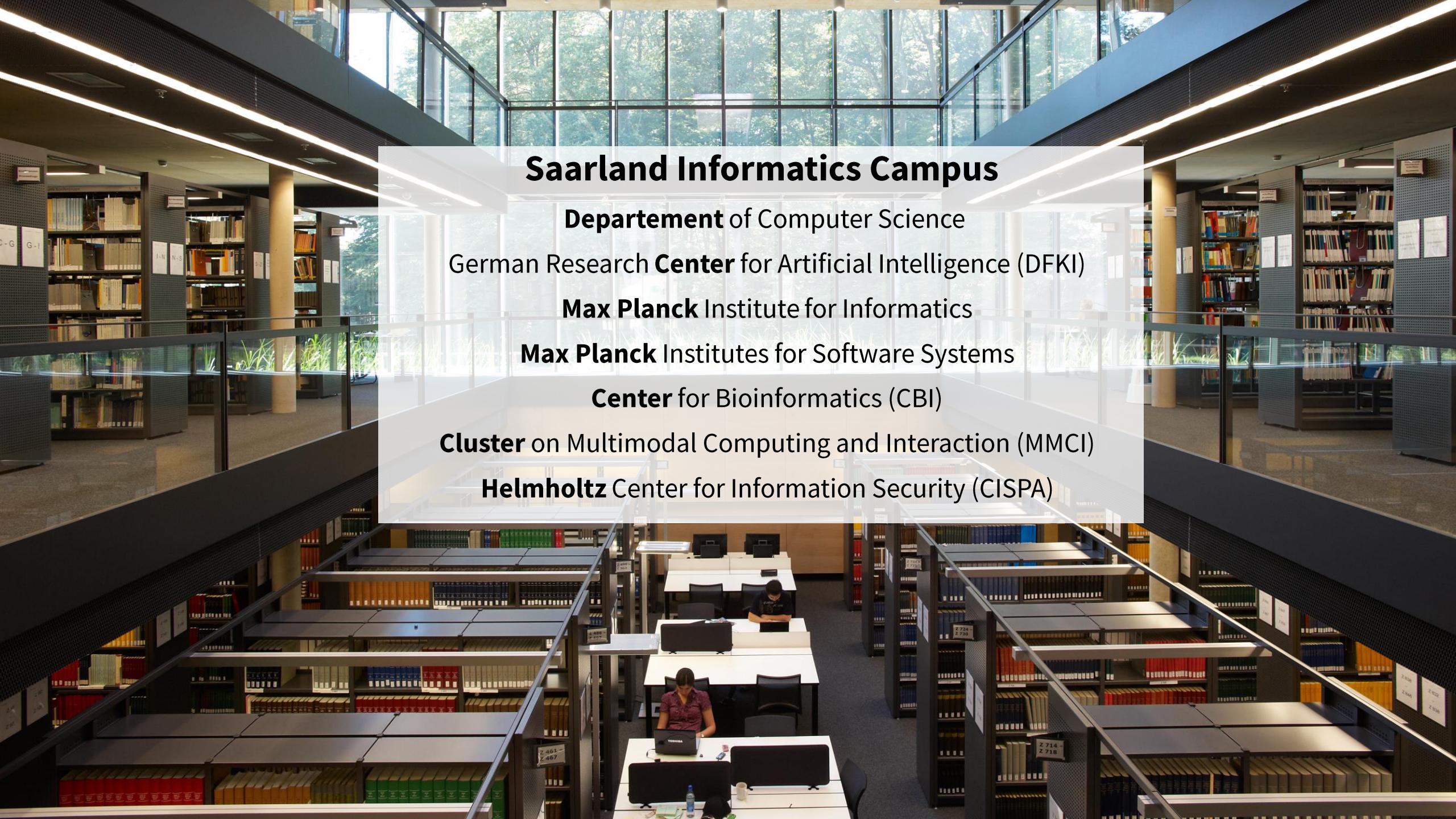
Max Planck Institute for Informatics

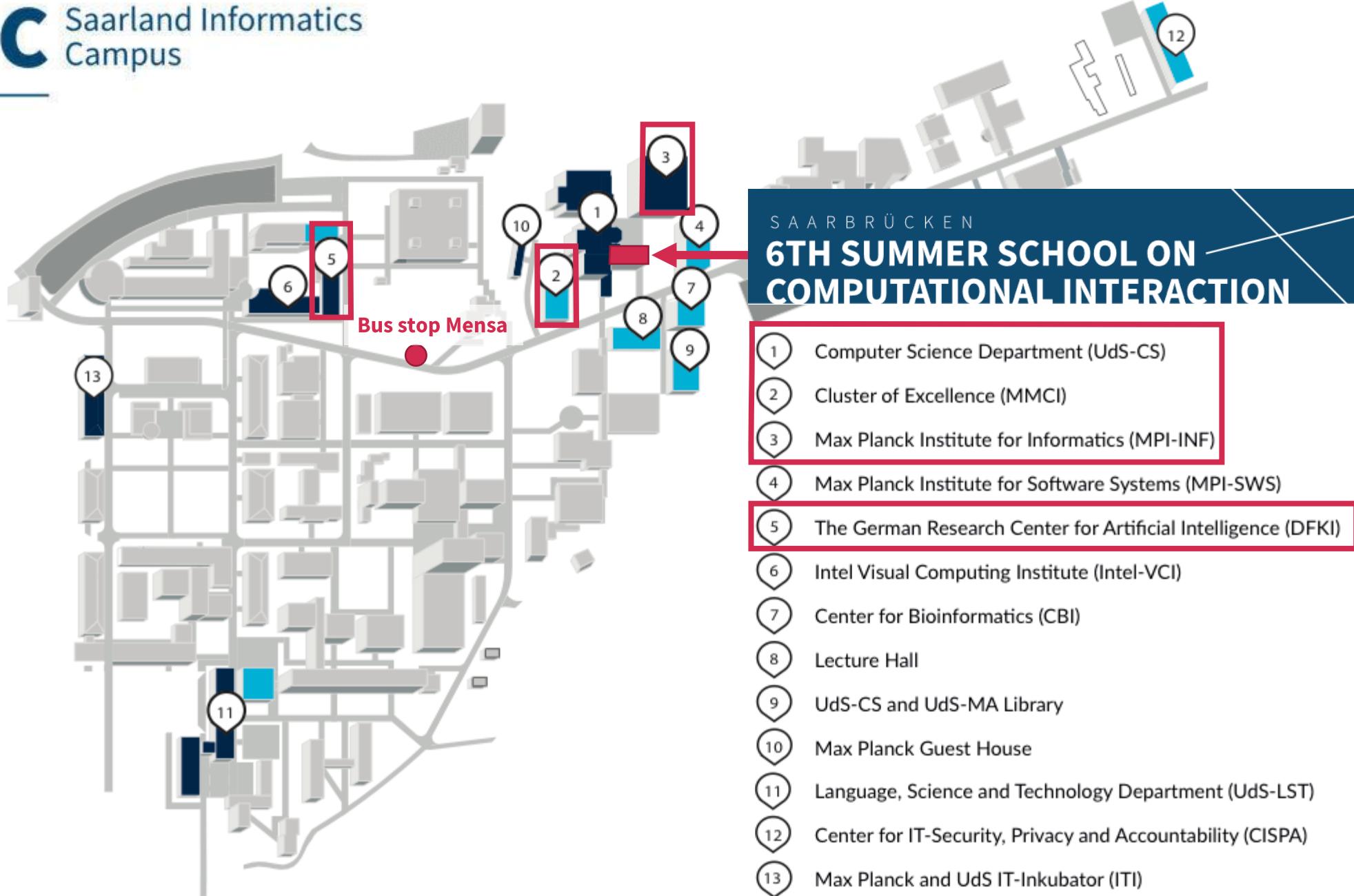
Max Planck Institutes for Software Systems

Center for Bioinformatics (CBI)

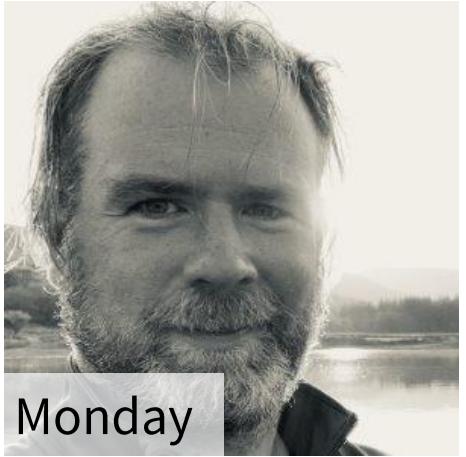
Cluster on Multimodal Computing and Interaction (MMCI)

Helmholtz Center for Information Security (CISPA)





Your teachers



John Williamson, Glasgow University

Bayesian Inference for Human-Computer Interaction



Luis Leiva and Bereket Yilma, University of Luxembourg

Deep Learning for Human-Computer Interaction

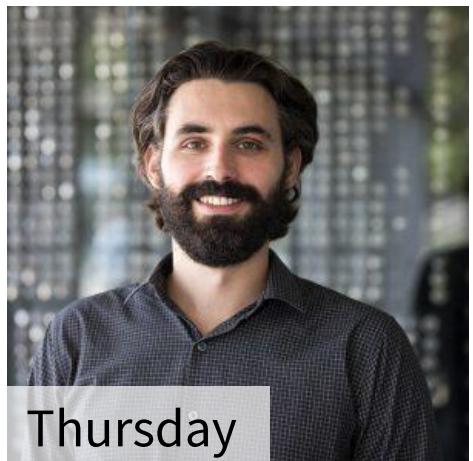


Your teachers



Andrew Howes, University of Birmingham

Computational Rationality and Reinforcement Learning



Nikolai Banovic, University of Michigan

Interactive and Explainable AI

Your teachers

Friday



Antti Oulasvirta, Aalto University

Bayesian Optimization



Alexandra Ion, Carnegie Mellon University

Geometric Optimization

Saturday: Entrepreneurial Hackathon



Timo Fürbaß, Chiara Canavesi
German Entrepreneurship

*From Research to Ventures:
how to turn your research projects into
startup ideas.*



Lightning talks from research and industry

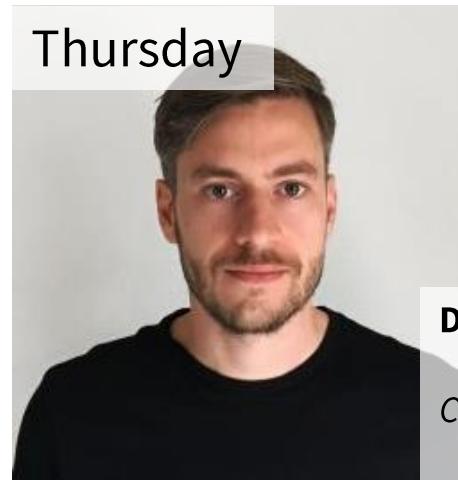
Monday



Geraldine Fitzpatrick, TU Wien

*From surviving to thriving in your research
#good-academic-life*

Thursday



David Lindlbauer, Carnegie Mellon University

Computational Mixed Reality Interfaces

Wednesday



Dietrich Manstetten, Bosch Research

*User Modeling in (automotive) development
and products*

Thursday



Kashyap Todi and colleagues, Reality Labs

*Computational Interaction at Reality Labs
(remote)*

Tuesday: lab tours





Social Events

Monday,
Summer School Dinner, Zapata
(food included ☺)



Wednesday
City Rallye (scavenger hunt through Saarbrücken)

+ social walks and ad-hoc events (organize via Slack)

Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Location	University, E1.1 R407	University, E1.1 R407	University, E1.1 R407	Victor's Residenz Hotel	University, E1.1 R407	Fase15
Theme	Bayesian Inference	Deep Learning	Comput. Rationality	Interact. and Expl. AI	Optimization	Entrepr. Hackathon
Teacher	John Williamson	Luis Leiva Bereket Yilma	Andrew Howes	Nikola Banovic	Antti Oulasvirta, Alexandra Ion	German Entrepreneurship
09:00 - 09:30	Welcome					
09:30 - 10:00						
10:00 - 10:30	Teaching (incl. coffee break)	Teaching (incl. coffee break)	Teaching (incl. coffee break)	Teaching (incl. coffee break)	Teaching (incl. coffee break)	
10:30 - 11:00						
11:00 - 11:30	Impulse Talk		Industry talk			
11:30 - 12:00	Geraldine Fitzpatrick		Bosch	Research Talk		
12:00 - 12:30	Lunch	Lunch	Lunch	David Lindlbauer		
12:30 - 13:00	Mensa	AC	AC	Lunch	Lunch	
13:00 - 13:30				(Victors)	Mensa	
13:30 - 14:00						Hackathon
14:00 - 14:30	Teaching	Teaching	Teaching	Teaching		
14:30 - 15:00						
15:00 - 15:30	Break with Geri			Walk break	Teaching (incl. coffee break)	
15:30 - 16:00		Lab tours: Christian Theobalt, Jürgen		Teaching		
16:00 - 16:30	Teaching	Steimle, Antonio Krüger		Industry panel		
16:30 - 17:00			Social Program: City Rallye in Saarbrücken	FRL	Closing	
17:00 - 17:30						
17:30 - 18:00						
18:00 - 18:30						
18:30 - 19:00						
from 19:00	Dinner					

Locations

Monday-Friday, Saarland Informatics Campus, E1.1. R407

EXCEPT Thursday!

Victors Residenz Hotel at the
German-French Garden

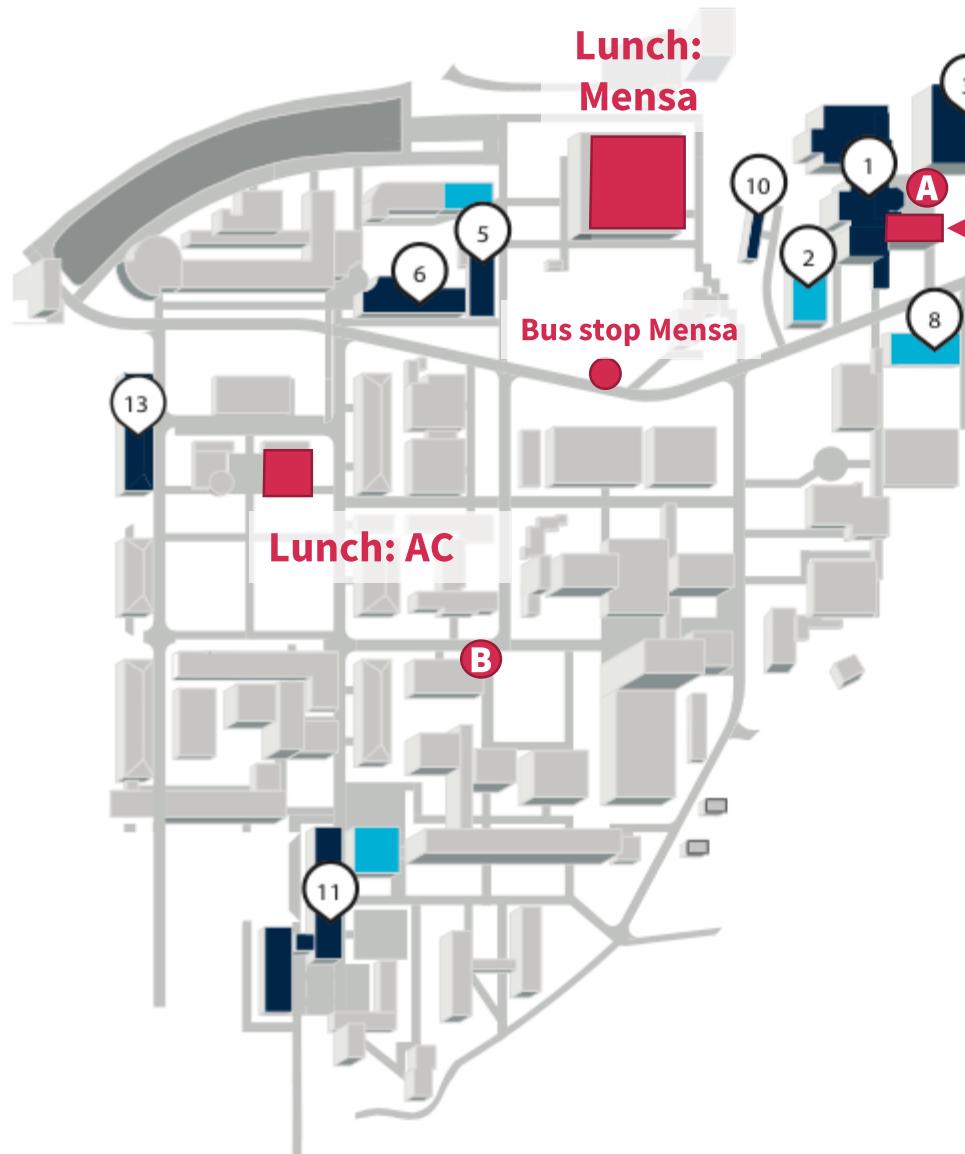


AND Saturday

Fase15 Co-working Space



Lunch + food



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Monday + Friday: Mensa

- Food tickets
- Have a look at the Menu before we leave and choose your entrance
- Tables reserved close to **entrance C**

Tuesday + Wednesday: AC

- Choose your food now for both days
- Reserved seating

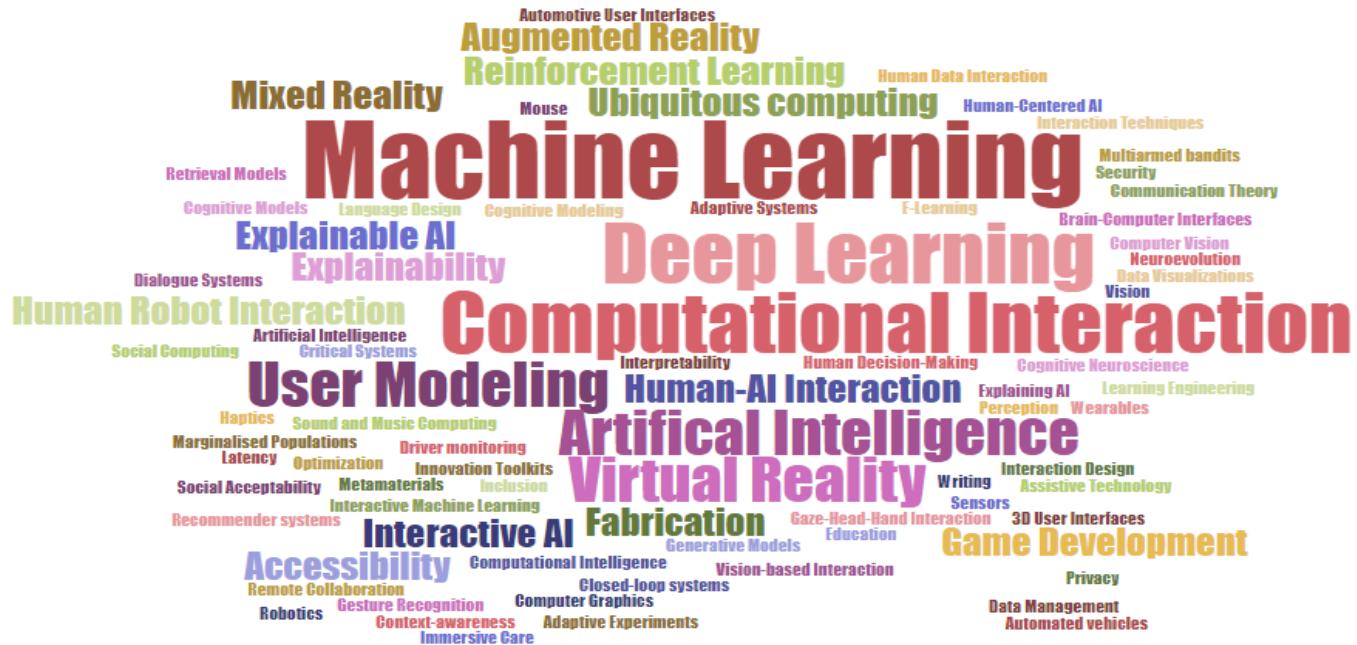
Other food options:

- A ICoffee in E1.3 (Ground floor)
- B Campus Market (small supermarket 08AM-4PM)

Registration

- Badge
- Mensa Tickets
- Covid Tests
- Food choice
- Guest Wifi

This is you



Affiliation	Country
TU Wien	Austria
University of Toronto	Canada
Aalborg University	Denmark
Aalto University	Finland
INRIA	France
University of Lorraine	France
University of Bayreuth	Germany
OFFIS, Oldenburg	Germany
LMU Munich	Germany
Ulm University	Germany
Leuphana University of Lüneburg	Germany
DFKI Saarbrücken	Germany
Saarland University	Germany
TU Dresden	Germany
Ulm University	Germany
University of Regensburg	Germany
University of Luxembourg	Luxembourg
Lancaster University	UK
University College London	UK
(sad face) University of Glasgow	UK
City University of London	UK
Columbia University	USA
Carnegie Mellon University	USA
Cornell University	USA
University of Utah	USA

<https://miro.com/app/board/uXjVOvcPbag=/>

Here to help you



Marie

Local and social questions



Hai and Florian

Technical questions (Git and Python)



Slack

- Questions
- Ad-hoc social events
- 1:1s with teachers
- ...

COVID regulations

Daily tests in the morning

- If you test positive, contact me **asap** via Slack and don't come to the lectures.
- Quarantine rules in Germany: 5 days, recommendation for daily testing until negative

Masks mandatory when moving in university buildings

Organizers



UNIVERSITÄT
DES
SAARLANDES



max planck institut
informatik

SIC

Saarland Informatics
Campus



GERMAN
ENTREPRENEURSHIP

Sponsors



BOSCH
Invented for life

CPEC
CENTER FOR PERSPICUOUS COMPUTING