

S A A R B R Ü C K E N

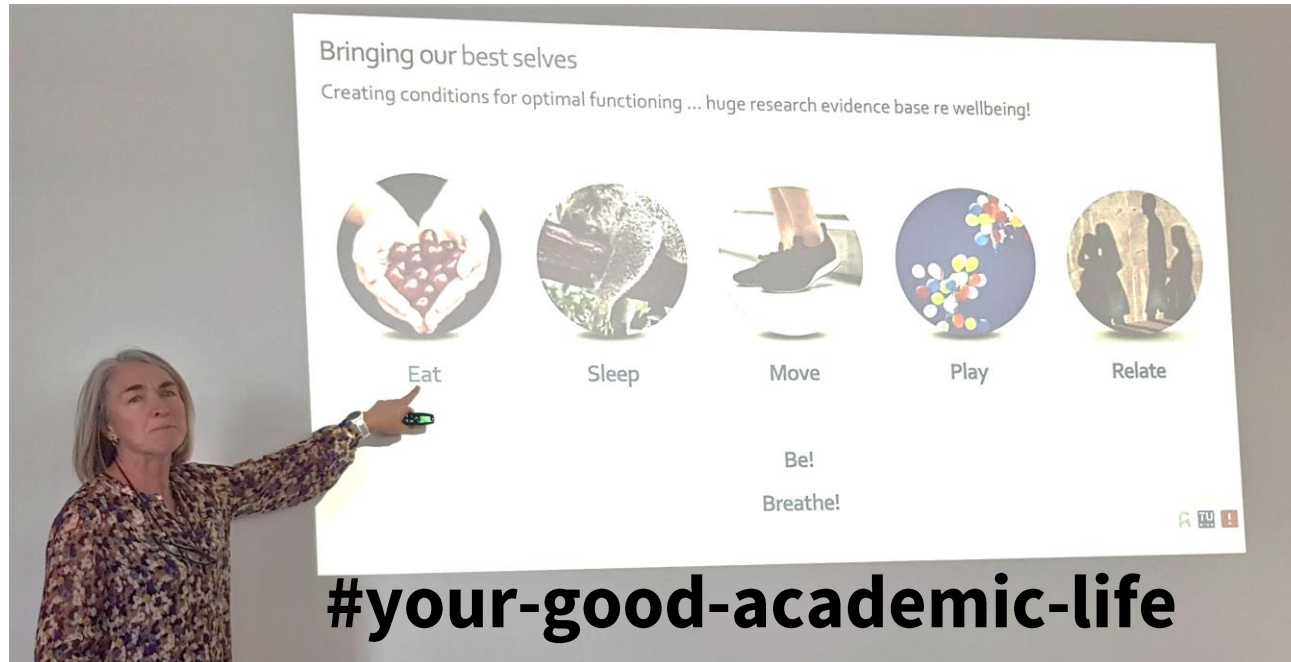
# 6TH SUMMER SCHOOL ON COMPUTATIONAL INTERACTION

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





Monday





# Tuesday



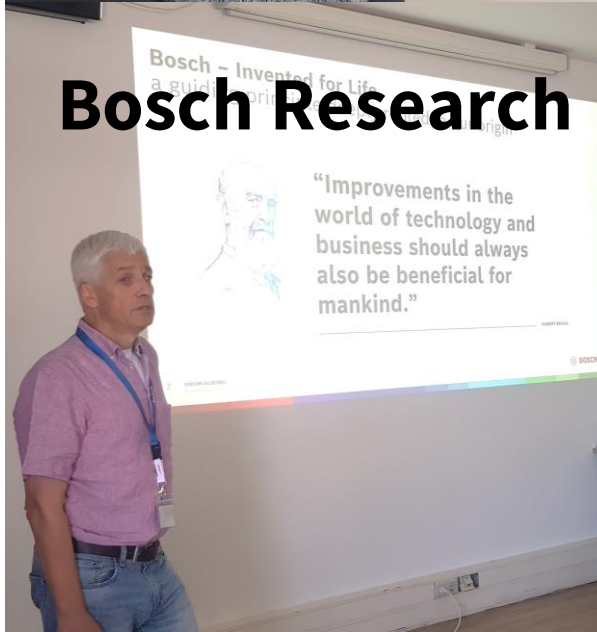


# Wednesday

## User Models



## Bosch Research



## City Rallye

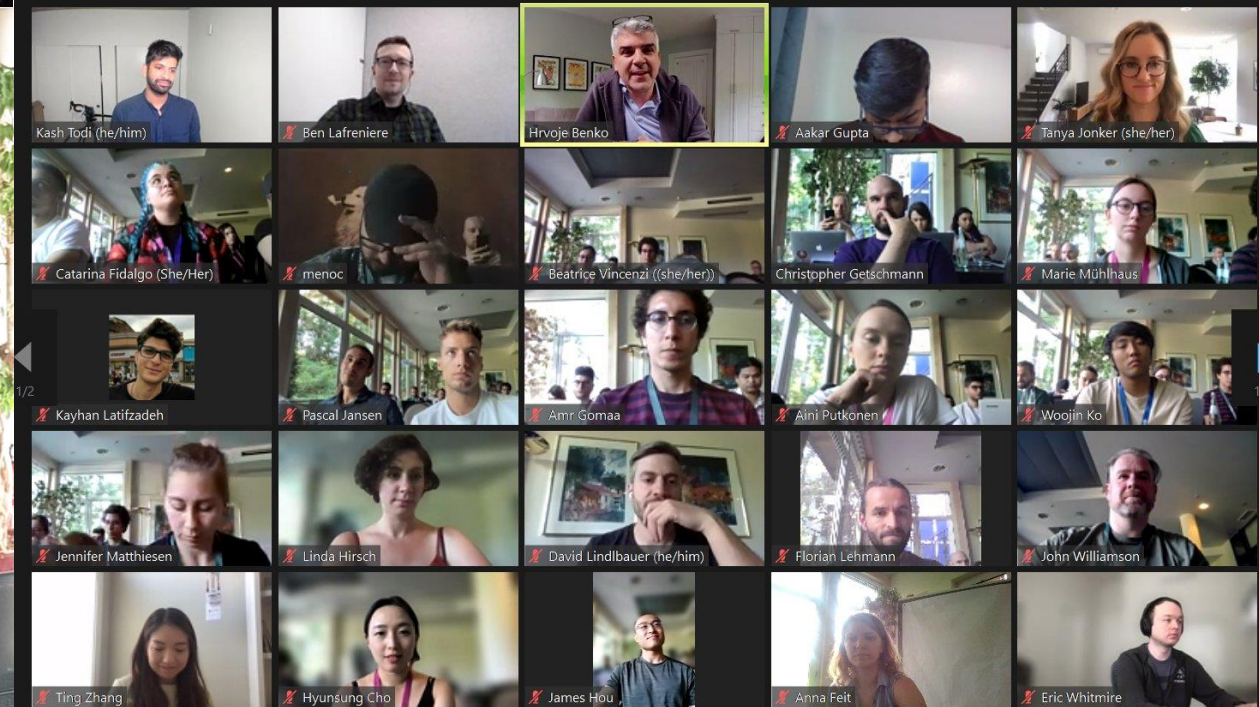
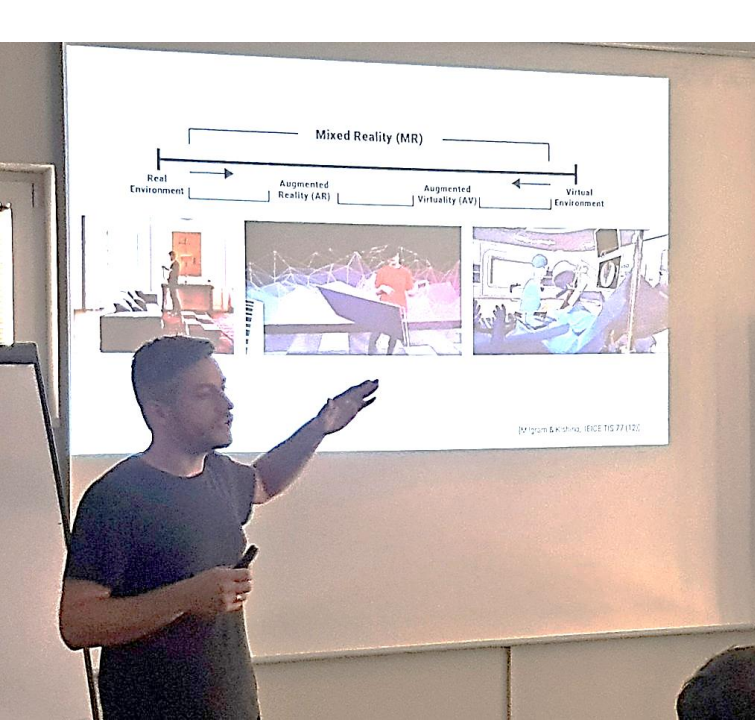




# Thursday



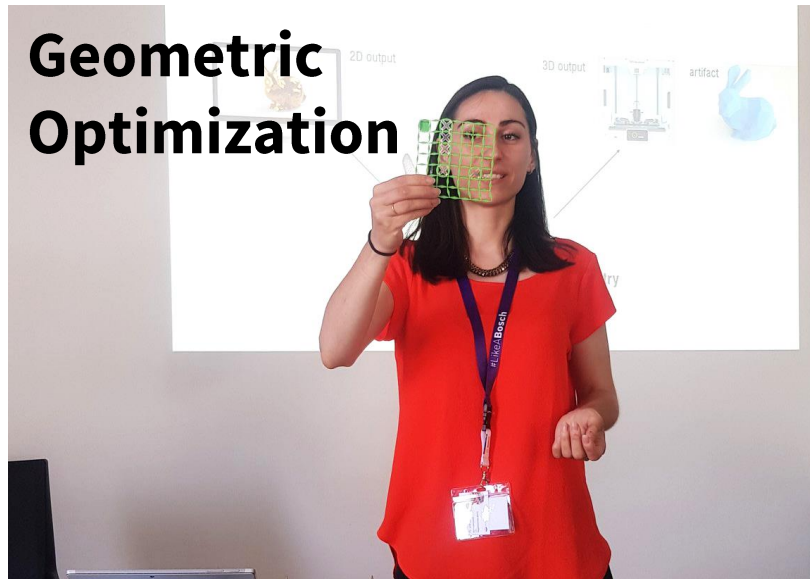
- **Interactive and Explainable AI**
- **CI for Mixed Reality**
- **CI @Reality Labs**





# Friday

## Geometric Optimization



## Bayesian Optimization



# Thank you!

To our admins: **Mona, Asel, Polina**

To our technical support team: **Florian** and **Hai**

To our locals: **Marie** and **Amr**

**To all of you!**

**What was your  
favorite part?**



# What now?



# Tomorrow



GERMAN  
ENTREPRENEURSHIP  
GMBH



## Entrepreneurial Mindset

### Testing business ideas

### Design thinking

### Problem identification

### Lean startup method



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main

7

# study, share, apply, extend, ...

Code



cashaddy minor fix

f65aaf9 5 hours ago 82 commits

Day 1 - Bayesian Inference	Merge commit '2b1104507ff147d40bcb01c39b08418b38363984' into m...	2 days ago
Day 2 - Deep Learning	added ipykernel to requirements	3 days ago
Day 3 - Computational Rationality an...	finalized requirements	2 days ago
Day 4 - Interactive and Explainable AI	added note on pySequentialLineSearch prerequisites	yesterday
Day 5 Part 1 - Bayesian Optimization	minor fix	5 hours ago
Day 5 Part 2 - Geometric Optimization	Create README.md	3 days ago
Day 6 - From Research to Ventures	restructured folders and Readme	8 days ago
Guests	added slides by David Lindlbauer	yesterday
INSTALLATION.md	Update INSTALLATION.md	3 days ago
README.md	Added Day 4 notebook. Fixed README.md typo.	3 days ago

[About](#)<https://cixschool2022.cs.u>[Readme](#)

3 stars

10 watching

2 forks

[Releases](#)

No releases published

[Create a new release](#)[Packages](#)

No packages published

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# Reach out!

## Collaborations, Internships, Jobs, Advice, Feedback, ...

### Organizers



**Name:** Anna Maria Tiet  
**You can call me:** Anna (she / her)  
**I'm from:** Germany  
**I lived in:** Gießen, Zurich, Seattle (for a little bit)  
**I do research at:** Saarland University  
**My research interests:** Adaptive interfaces, Text input, UI Customization  
**Outside of research, I like talking about:** My wife (+4 you), crafts, mindfulness

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Monday - Saturday



**Name:** Jürgen Gröbe  
**You can call me:** Jürgen  
**I'm from:** Germany  
**I lived in:** Cambridge, MA, Darmstadt, Freiburg  
**I do research at:** Saarland University  
**My research interests:** Physical computing, Robotics, VR  
**Outside of research, I like talking about:** doing woodturning, gardening, playing the violin, being with my family

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Monday - Friday

### Guest Speakers



**Name:** Caroline Rappene  
**You can call me:** Gert  
**I'm from:** Australia  
**I lived in:** Brisbane, Brisbane, Dublin, Champaign-Urbana, London, Brighton, Vienna  
**I do research at:** TU Wien  
**My research interests:** tools, technical and human-centred perspectives eg. for collaboration, healthcare, aging, well-being, and sustainability  
**Outside of research, I like talking about:** cycling, running, noise, being, being outdoors

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Monday



**Name:** David Lohbauer  
**You can call me:** David  
**I'm from:** Germany  
**I lived in:** Göttingen, Aachen, NL, Stuttgart  
**I do research at:** Bosch Corporate Research, Stuttgart  
**My research interests:** HCI, driver-vehicle interaction, user-modelling, UI  
**Outside of research, I like talking about:** cycling, Borussia M'G, soccer knowledge

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Wednesday



**Name:** David Lohbauer  
**You can call me:** David  
**I'm from:** Pittsburgh, PA, USA  
**I lived in:** Lima, Aachen, Berlin, Zurich  
**I do research at:** Carnegie Mellon University  
**My research interests:** AR/VR, adaptive UIs, Perception & Behavior  
**Outside of research, I like talking about:** Food & Drink, woodturning, sailing, fishing

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Wednesday (day) - Friday



**Name:** Kashyap Todi  
**You can call me:**  
**I'm from:**  
**I lived in:**  
**I do research at:**  
**My research interests:**  
**Outside of research, I like talking about:**

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Remote

### Teachers



**Name:** John Williamson  
**You can call me:** John  
**I'm from:** Glasgow, Scotland  
**I lived in:** Glasgow, mainly  
**I do research at:** University of Glasgow  
**My research interests:** Bayesian approaches to HCI; novel sensors; dynamic systems in interaction  
**Outside of research, I like talking about:** Sailing, music

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Monday - Thursday



**Name:** Lutz Leiva  
**You can call me:**  
**I'm from:**  
**I lived in:**  
**I do research at:**  
**My research interests:**  
**Outside of research, I like talking about:**

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Tuesday - Thursday



**Name:** Berkant Yilmaz  
**You can call me:**  
**I'm from:**  
**I lived in:**  
**I do research at:**  
**My research interests:**  
**Outside of research, I like talking about:**

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Tuesday - Thursday



**Name:** Andrew Howes  
**You can call me:**  
**I'm from:**  
**I lived in:**  
**I do research at:**  
**My research interests:**  
**Outside of research, I like talking about:**

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Wednesday - Friday



**Name:** Nikola Banovic  
**You can call me:**  
**I'm from:**  
**I lived in:**  
**I do research at:**  
**My research interests:**  
**Outside of research, I like talking about:**

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Wednesday - Thursday



**Name:** Anis Oulawia  
**You can call me:** (Or much older than what the photo suggests)  
**I'm from:** Beirut  
**I lived in:**  
**I do research at:** Saarbrücken  
**My research interests:** Computational modeling, interactive AI  
**Outside of research, I like talking about:** Cycling

**I'm at the summer school during these days (you can ask for 1:1s via Slack):** Wednesday - Friday



**Name:** Alexandra Ion  
**You can call me:** Alex  
**I'm from:** Living in Pittsburgh  
**I lived in:** Berlin  
**I do research at:** CMU  
**My research interests:** metamaterials, fabrication, computational design  
**Outside of research, I like talking about:** Music (Soul, Funk, Jazz), Sports (Volleyball, Rafting), Building stuff

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Thursday - Friday

### Hackathon



**Name:** Timo Forball  
**You can call me:**  
**I'm from:**  
**I lived in:**  
**I work at:**  
**My work interests:**  
**Outside of work, I like talking about:**

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Saturday



**Name:** Chiara Canavesi  
**You can call me:** Chiara (Ch is pronounced like a K)  
**I'm from:** Bergamo, Italy  
**I lived in:** Italy, Saarbrücken, Jena, Munich  
**I work at:** German Entrepreneurship  
**My work interests:** Sustainability, Innovation  
**Outside of work, I like talking about:** food, sports and traveling

**I'm at the summer school during these days (you can ask for 1:1s via Slack):**  
 Saturday