

# CTHCI



# Current Topics in Media Computing and HCI

Prof. Dr. Jan Borchers

## Self-study lecture

Media Computing Group  
RWTH Aachen University

Summer Semester 2021

<https://hci.rwth-aachen.de/cthci>



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# Announcement: Self-study Format

- Due to **Prof. Borchers' research sabbatical** this course won't take place as usual.
- We only offer
  - last year's lecture videos on YouTube,
    - [https://www.youtube.com/watch?v=dzFqEyKvZks&list=PLABNOB9DXI\\_3zo9Qu\\_k9liErl9loyq--A](https://www.youtube.com/watch?v=dzFqEyKvZks&list=PLABNOB9DXI_3zo9Qu_k9liErl9loyq--A)
  - assignment sheet's from last year (**we won't grade them**),
  - weekly consultation hours (bookable via RWTHmoodle), and
  - an exam in the end of the semester.
- **There won't be a midterm exam or project this semester!**
- We recommend you to **still form groups** to help you stay on track, do the weekly assignments, and come to the office hours with your questions.
- We will offer a **Moodle forum which you can use for discussions with the other students** in the course.

# Team

## Lecturer (unavailable)



**Prof. Dr. Jan Borchers**  
borchers@cs.rwth-aachen.de

## Teaching Assistants



**Marcel Lahaye**  
lahaye@cs.rwth-aachen.de



**Oliver Nowak**  
nowak@cs.rwth-aachen.de

## Guest Assistants



**Sebastian  
Hueber**



**Adrian  
Wagner**



**Krishna  
Subramanian**



**Anke  
Broucker**



**Philipp  
Wacker**



# Goals

- Understand **types of research and methods in HCI**
- Practice how to **retrieve** and **evaluate** information from the literature  
⇒ Prepare for thesis and future (research) work
- Learn about **up-to-date developments** in Human–Computer Interaction  
from **recent HCI conference and journal articles**



# Who Are You?

- Audience
  - M.Sc. Computer Science
  - M.Sc. Media Informatics
  - M.Sc. Software Systems Engineering
  - B.Sc. Computer Science (extra credit / carry-over)
  - B.Sc. / M.Sc. Technical Communication (with focus on CS/HCI research)
- Prerequisite: **Designing Interactive Systems (DIS1)** strongly recommended

# Limited Seats

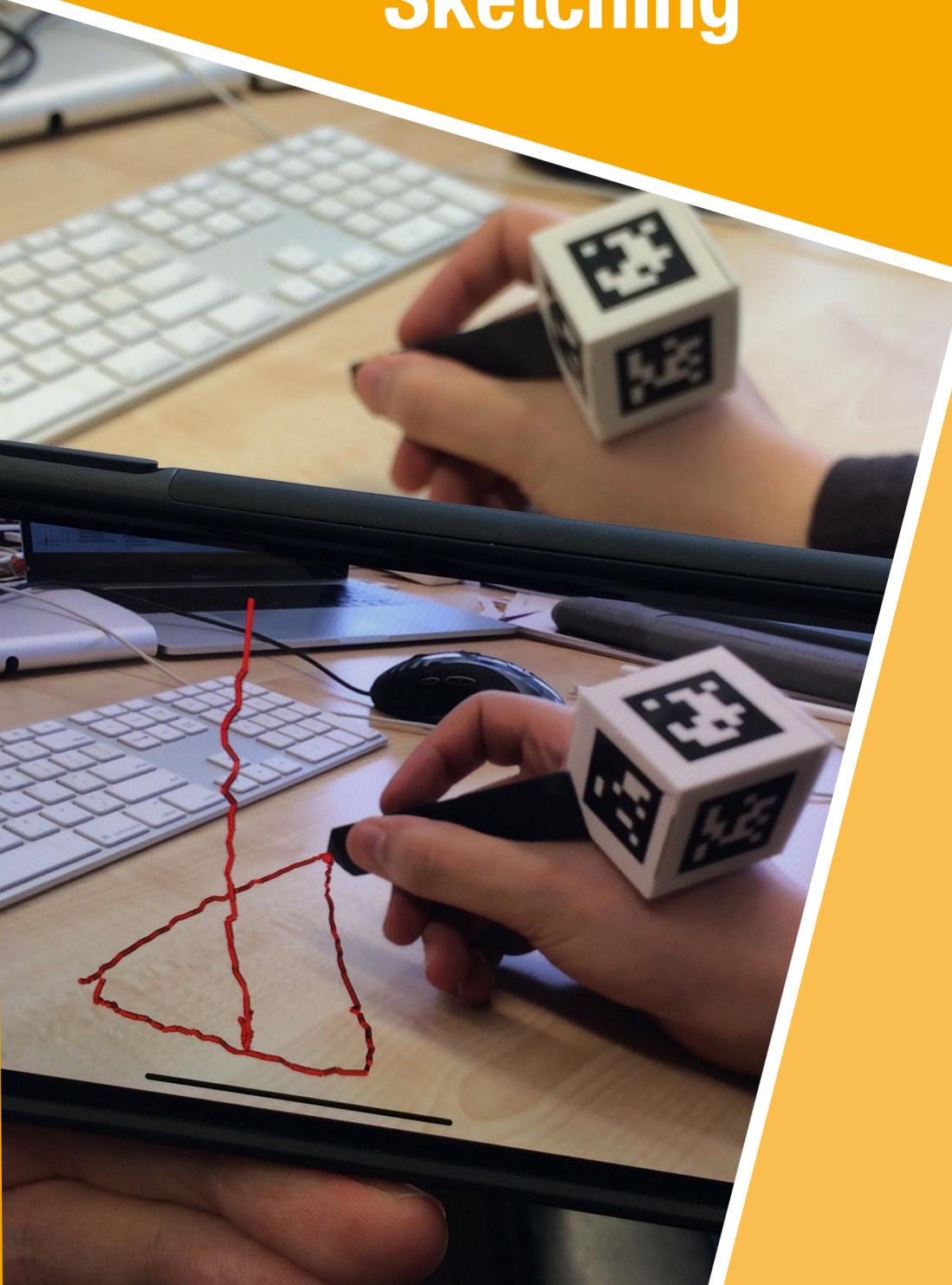
- **50 seats** available
- Register in RWTHonline until **April 15 at 12 noon**
  - We will inform you whether you got a seat in the afternoon.



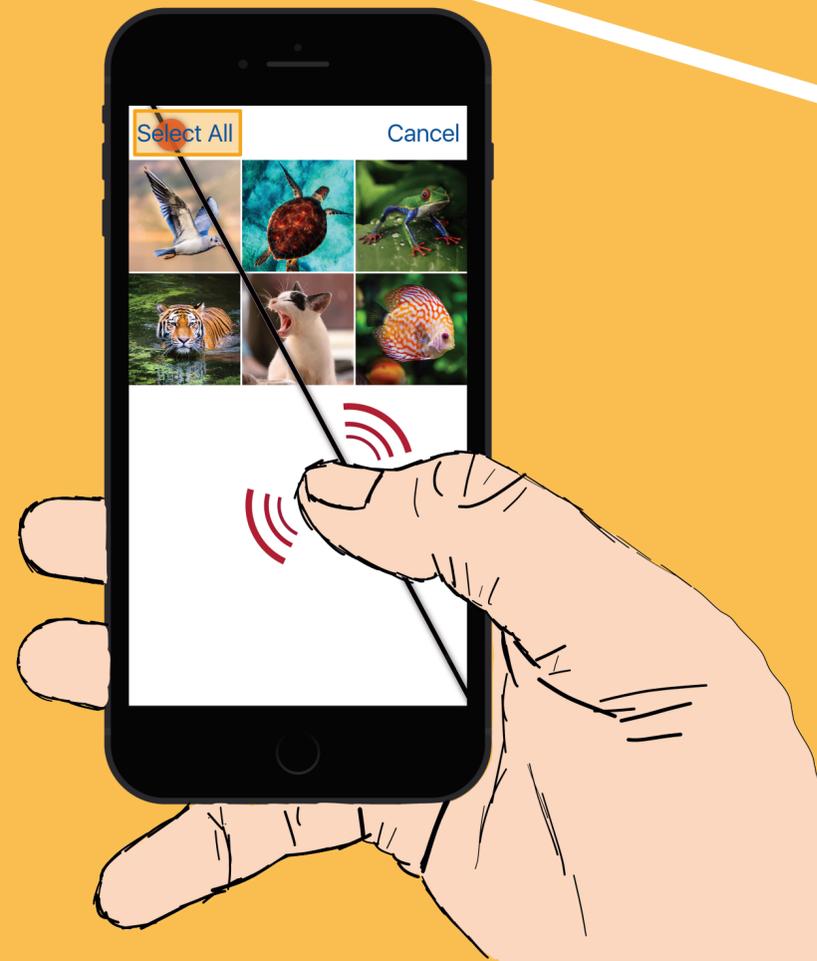
# Guest Lectures (2020)



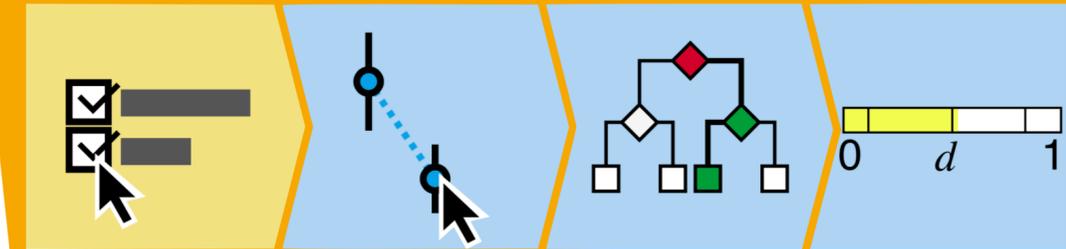
# Philipp Wacker: AR and Immersive Sketching



# Oliver Nowak: Force Input on Handheld Devices



# Statsplorer



# Krishna Subramanian: Supporting Exploratory Programming Workflows

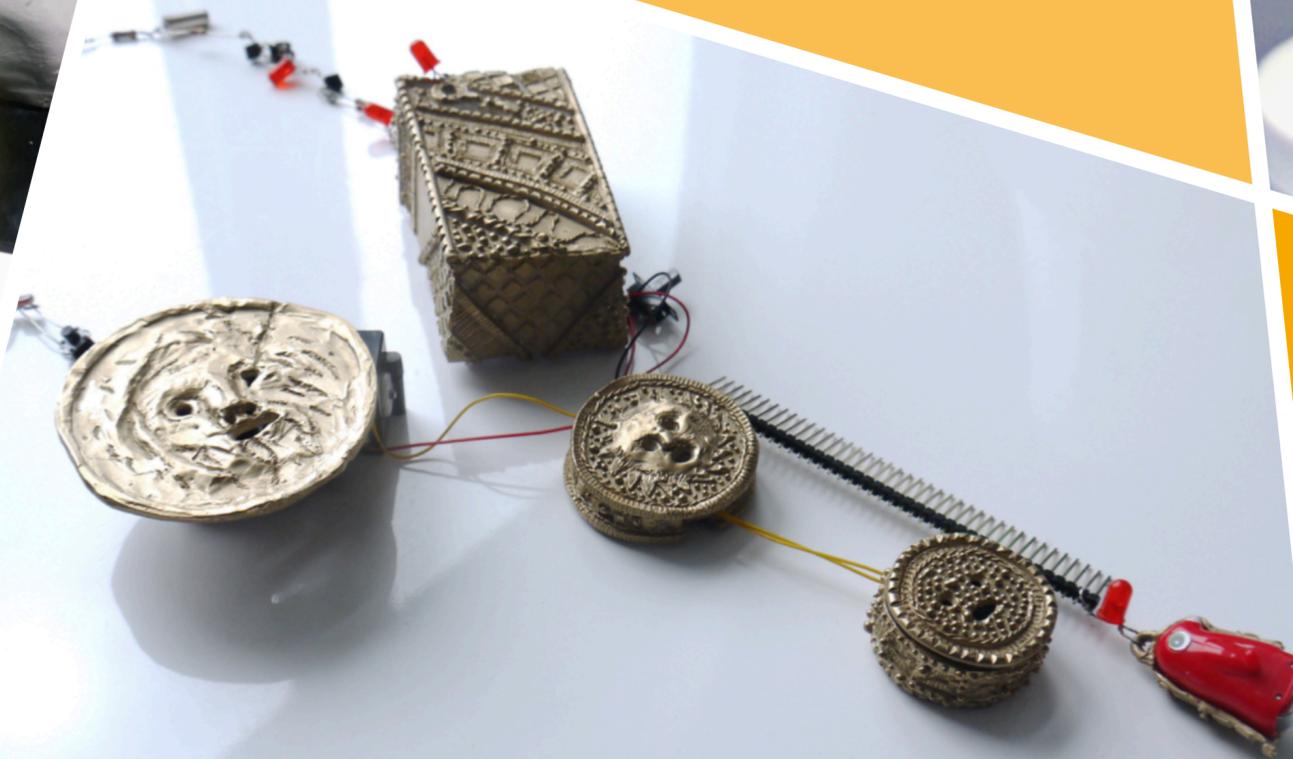


# Marcel Lahaye: Personal Fabrication



Weichel et al., ReForm, UIST15

# Anke Brocker: Soft Robotics & Jewellery



Alexandra Ju, Functionality in Wearable Tech, TEI16



# Christian Cherek: Tangible on Tabletops



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# Literature



# Literature Sources (for Assignments etc.)

- Recent conference papers
  - CHI, UIST, ISS, DIS, Ubicomp,...
- Recent journal articles
  - TOCHI,....



# Recommended Readings

- Recent books
  - Research Methods in HCI (Lazar et al., 2017)
    - Highly **recommended reading** for more details about evaluation methods—especially if you are considering to do your thesis at our chair!
  - Research Methods for the Behavioral Sciences (Gravetter and Forzano, 2015)
    - Further **recommended reading** for more details about experimental research methods

