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
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
  • 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  
borsch@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 Brocker  
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

Krishna Subramanian: Supporting Exploratory Programming Workflows
Marcel Lahaye: Personal Fabrication

Anke Brocker: Soft Robotics & Jewellery

Christian Cherek: Tangible on Tabletops

Weichel et al., ReForm, UIST15

Alexandra Ju, Functionality in Wearable Tech, TEI16
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