MENSCH-MASCHINE-INTERAKTION

Seminar at the Media Computing Group WS 2015/16

Prof. Dr. Jan Borchers Christian Corsten, M.Sc.







- Introduction
- Seminar logistics
- Presentation and distribution of topics
- Research and presentation tips



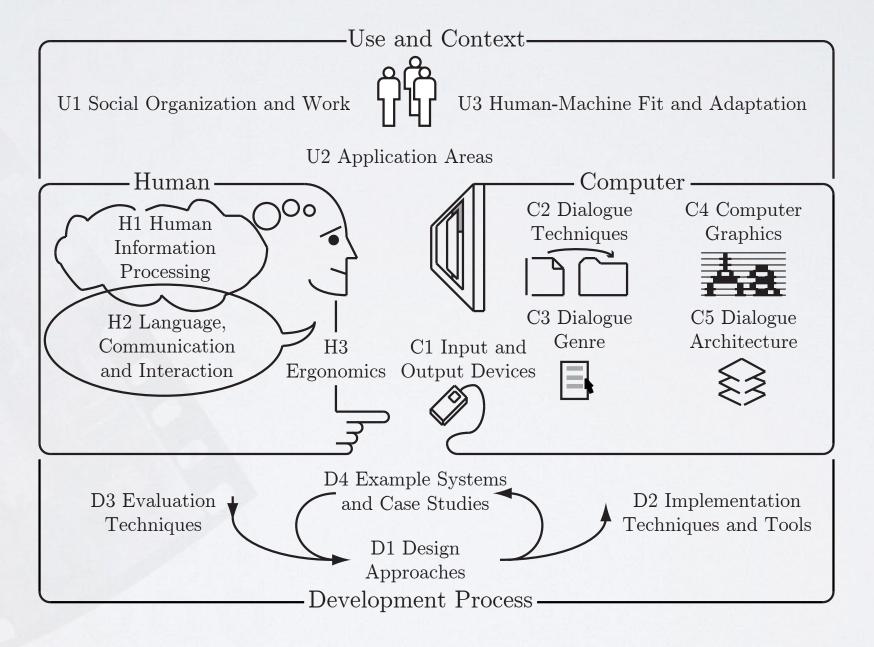


MEDIA COMPUTING GROUP

- Research and development
 - Interaction with multimedia
 - Touch interfaces, tangible user interfaces
 - Software development tools
 - HCl design patterns
 - Personal design and fabrication
- Based in computer science



HUMAN-COMPUTER INTERACTION (HCI)?







RACHEN UNIVERSITY

media computing group



SEMINARADVISORS



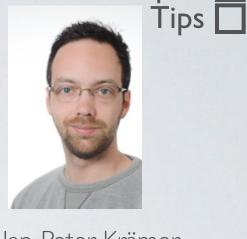
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Introduction

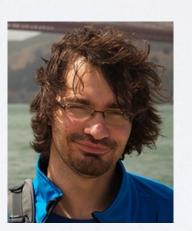
Logistics

Topics [

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Christian Corsten corsten@cs.rwth-aachen.de



Florian Heller flo@cs.rwth-aachen.de



Krishna Subramanian krishna@cs.rwth-aachen.de



Introduction Logistics Topics Tips

FORMAT

- · Language: German, English
- Groups of 2, no separation of responsibility
- · Each person should know the content and be able to present/answer questions
- · Questions may be directed at a particular person during Q&A session
- One talk per week
 - · Attending all talks is mandatory, only exception: medical certificate
- Talk and written report are graded separately



Deadlines are
mandatory.

We

SCHEDULE

Weeks before final presentation	Milestone
	Start
8	Literature Review
7	Outline of Report
4	First Submission of Report
2	Slides
	Camera-Ready Presentation Slides
0	Presentation
-2	Final Report Submission

http://hci.rwth-aachen.de/ms_topics_1516#Milestones



Introduction Logistics Topics Tips

MILESTONE I: LITERATURE REVIEW

- When: 8 weeks before final talk
- · How: e-mail submission (until 10am)
 - Schedule a meeting with your supervisor!
- Deliverable:
 - List of at least 5 relevant related papers
 - For each paper: 30 word statement of benefits and contribution
 - visit http://sigchi.org/chi2003/papers_guide.html#contribution









- All submissions go to your advisor
 - see http://hci.rwth-aachen.de/people
 - Subject starts with **MMI Submission**Example: "MMI Submission Final Talk"
- Everything else (different subject)
 - to corsten@cs.rwth-aachen.de



MILESTONE II: OUTLINE OF REPORT



- When: 7 weeks before final talk
- How: e-mail submission (until 10am)
 - Schedule a meeting with your supervisor!
- Deliverable:
 - Clear structure of final paper submission
 - Full sentence for each section, not only heading



MILESTONE III: FIRST SUBMISSION OF REPORT



- When: 4 weeks before final talk
- How: e-mail submission (until 10am), after correction: feedback (by appointment)
- Deliverable:
 - First complete version of paper
 - Proof-read, no typos, no layout issues



MILESTONE IV: PRESENTATION SLIDES

- When: 2 week before final talk
- How: e-mail submission (until 10am)
 - Schedule a meeting with your supervisor!
 - Recommended: Ask for giving a test talk
- Deliverable:
 - Complete, polished version of presentation slides
 - Format: Keynote, PowerPoint, Prezi, or PDF







MILESTONEV: CAMERA-READY SLIDES



- When: I week before final talk
- · How: e-mail submission (until 10am)
 - Schedule a meeting with your supervisor!
- Deliverable:
 - Improved version of presentation slides (after feedback)
 - Last chance to get feedback



MILESTONE VI: PRESENTATION



- When: Thursdays, 2:15pm 3:45pm (see topics list for exact dates)
- Where: seminar room at i10 (2222)
- 50% of final grade

- Format:
 - 20 minutes of presenting
 - Question and answer
 - Review of presentation style
 - Feedback by the audience



MILESTONE VII: FINAL REPORT SUBMISSION



- When: 2 weeks after final talk
- How: e-mail submission (until 10am)
- Deliverable:
 - Final version of your paper
 - 50% of final grade







- Active participation in talk discussions
- Eases the decision if the student's performance is between two grades



WRITTEN REPORT

Introduction Logistics Topics Tips

- We focus on teaching the basics of writing a conference paper.
- Must follow CHI conference paper format guidelines (HCI Archive Format)
- LaTeX and Word template for papers at: https://chi2016.acm.org/wp/guide-to-submission-formats/
 - "CHI Proceedings Format"
- Max. 10 pages incl. figures and references (learn to be concise)

SIGCHI Conference Proceedings Format

Affiliation
Address
e-mail address
Optional phone number

Address
e-mail address
Optional phone number

3rd Author Name Affiliation Address e-mail address Optional phone number

ABSTRACT

In this sample paper, Sheridan Printing Co, Inc. describes the formatting requirements for SIGCHI Conference Proceedings, and this sample file offers recommendations on writing for the worldwide SIGCHI readership. Please review this document even if you have submitted to SIGCHI conferences before, some format details have changed relative to previous years.

uthor Keywords

Guides; instructions; author's kit; conference publication keywords should be separated by a semi-colon.

Mandatory section to be included in your final version.

ACM Classification Keywords

H.5.m. Information interfaces and presentation (e.g., HCI):
Miscellaneous.

information and the full list of ACM classifiers and descriptors. Mandatory Section: On the submission page only the classifiers' letter-number combination will need be entered.

General Terms

Human Factors; Design; Measurement.
If you choose more than one ACM General Term, separa
the terms with a semi-colon. See list of ACM terms at:
http://www.sheridanprinting.com/sigehi/generalterms.htm
Untional section to be included in your final version.

INTRODUCTION

INTRODUCTION
This format is to be used for submissions that are published in the conference proceedings. We wish to give this volume a consistent, high-quality appearance. We therefore ask that authors follow some simple guidelines. In essence, you should format your paper exactly like this document. The easiest way to do this is simply to download a templat from the conference web site, and replace the content will your own material. For more information on Sheridal Printine. see: http://www.sheridannrintine.com/info.html.

AGE SIZE AND COLUMNS

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number Optional phone number in each page your material should fit within a rectangle x 23.5 cm (7 x 9.25 in.), centered on a US letter p 5x11 inches), beginning 1.9 cm (75 in.) from the top page, with a 8.5 cm (33 in.) space between two 8.4 3 in.) columns. Right margins should be justified, aged (except for the references section). Bew pecially when using this template on a Macintosh, W ne hange these dimensions in unexpected ways. Pleas

TYPESET TEXT

Prepare your submissions using Microsoft Word on a PC Mac. Please note that page layout may change sligit depending upon the printer you have specified.

Title and Authors

full width of the page in a single column 17.8 cm (7 in.) de. The title should be in Helvetica 18-point bold; use ial if Helvetica is not available. Authors' names should in Times Roman 12-point bold, and affiliations in Times oman 12-point (not bold, nor italic).

For more than three authors, you may have to place some address information in a footnote, or in a named section a the end of your paper. Please use full internationa addresses and telephone dialing prefixes. Leave one 10-p line of white snace below the last line of affiliations.

Adding & Removing Authors in Microsoft Work

To position author names and addresses, use a single-row table with invisible borders, as in this document. To add ar author with a different affiliation, click a cell, go to the Table tab or menu, select "insert," then "Column to the Right" OR "Column to the Left." Then highlight the wholedule table, right click, go to "Table Properties" and within the Table Tab, click the tab box for "Preferred Width" and center 7.0 inches. Choose center alignment then click OK.

If you need remove an author block, click in the unwanted cell, right click, drag down to "Delete Cell," then click "Delete entire column," then click OK, Repeat if necessary.

Alternatively, if only one address is needed, use a centered tab stop to center all name and address text on the page; for two addresses, use two centered tab stops, and so on

-1-



FURTHER REQUIREMENTS



- Be on time! (we start at 2:15pm)
- Be impartial and critical
- Ethical Guidelines for the Authoring of Academic Work (see course website)
- Literature review (Literaturrecherche für Informatiker)
 - 20.8. (13–15 Uhr), 1.9. (13–15 Uhr), 3.9. (14-15 Uhr)
- User Study participation (~24.8.—4.9.15), less than one hour
 - You will be contacted by Andreas Link
- Ask your supervisor if you have further questions!







- · Topics were chosen by us because we want to learn more about them
- · You are responsible for informing us
- Need more than just a summary



TOPICS



#	Topic	Presentation Date	Supervisor
	Audio Augmented Reality	29.10.	Florian Heller
2	Tangibles on Interactive Surfaces	12.11.	Simon Voelker
3	Authoring Interfaces for Software Development	19.11.	Jan-Peter Krämer
4	Defining Animation	26.11.	Jan-Peter Krämer
5	Multi-Touch Manipulation of 3D Objects	3.12.	Christian Cherek
6	Multi-Touch am Arbeitsplatz	10.12.	Philipp Wacker
7	Simulation to Support Learning (ENGLISH)	21.1.	Krishna Subramanian
8	Hand Postures, Grasping, and Pinching	28.1.	Christian Corsten
9	Back-of-Device Interaction	4.2.	Christian Corsten



Now it's time to find a seminar partner and a topic!

Topic	Milestone I	Presentation
Audio Augmented Reality	3.9.	29.10.
Tangibles on Interactive Surfaces	17.9.	12.11.
Authoring Interfaces for Software	24.9.	19.11.
Defining Animation	1.10.	26.11.
Multitouch Manipulation of 3D Objects	8.10.	3.12.
Multi-Touch am Arbeitsplatz	15.10.	10.12.
Simulation to Support Learning (ENGLISH)	26.11.	21.1.
Hand Postures, Grasping, and Pinching	3.12.	28.1.
Back-of-Device Interaction	10.12.	4.2.







- Some pointers on
 - Topic research
 - Slide preparation
 - Presenting





TYPES OF PUBLICATION

- Book − (~ 20 years)
- Journal Paper (~5–10 years)
- Conference Paper (~3–5 years)
- Stick to reputable conferences (e.g., organized by ACM, IEEE)
- Workshop Paper (~ I year)
- Technical Report (caution: not peer-reviewed)





TYPICAL REVIEW TEMPLATE

- Rating of Expertise
- Statement of Contribution to HCI
- Areas of Improvement

- The Review:
 - Relevance of previous work
 - Significance of contribution
 - Validity of work
 - Originality of work



SLIDE DESIGN



Introduction Logistics Topics Tips

Tips

Sections

- Keep a clear structure
- Important information?
- · Slides are a visual support to your spoken words
 - Use meaningful images/videos/animations/charts/... rather than a bunch of text

Slide count









- Appropriate volume, speed and tone
- Draw in the audience
 - Look at them
 - Questions & Demonstrations
- Rehearse your presentation





MORETIPS HERE...

http://hci.rwth-aachen.de/ms

(see Additional Information)

