

MENSCH-MASCHINE-INTERAKTION

Seminar at the Media Computing Group
WS 2015/16

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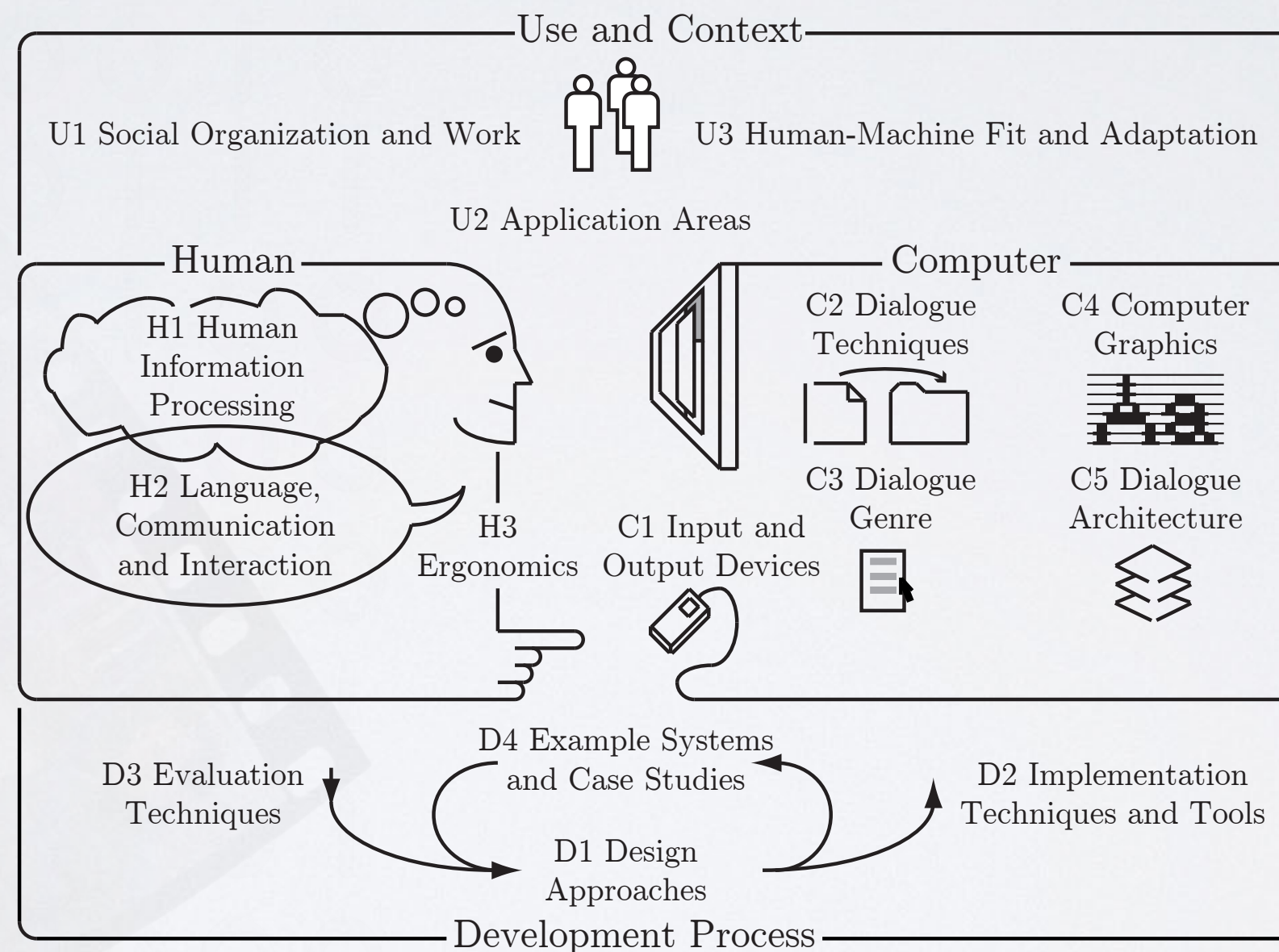
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Logistics	<input type="checkbox"/>
Topics	<input type="checkbox"/>
Tips	<input type="checkbox"/>

- 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
 - HCI design patterns
 - Personal design and fabrication
- Based in computer science

HUMAN-COMPUTER INTERACTION (HCI)?



RWTH AACHEN UNIVERSITY

media
computing
group



SEMINAR ADVISORS

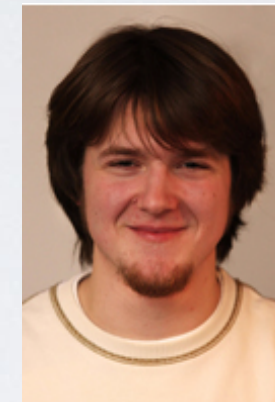
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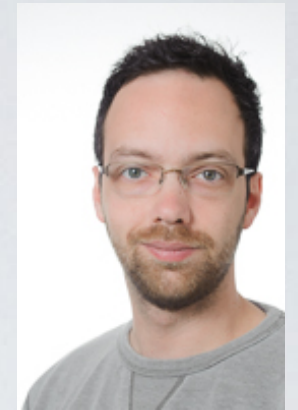
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FORMAT

- 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!

SCHEDULE

- Introduction
- Logistics
- Topics
- Tips

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

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

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

Do NOT cite Wikipedia!

E-MAIL SUBMISSION

- 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



MILESTONE V: CAMERA-READY SLIDES

- When: **1 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

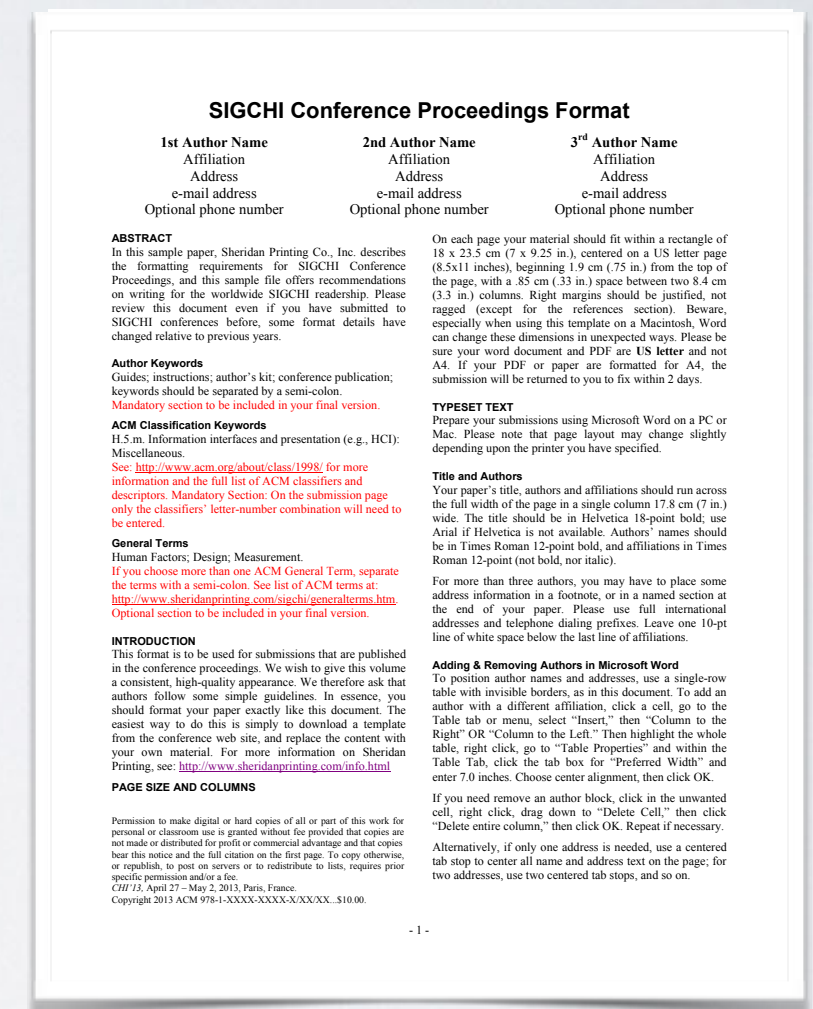
- When: **2 weeks after** final talk
- How: e-mail submission (until 10am)
- Deliverable:
 - **Final version** of your paper
 - **50%** of final grade

EXTRA CREDIT

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

WRITTEN REPORT

- 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)



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

- 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
1	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.

10 : 00

SEMINAR TIPS

- 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** – (~1 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	<input type="checkbox"/>
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Slide title

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

PRESENTATION

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

MORE TIPS HERE...

<http://hci.rwth-aachen.de/ms>
(see Additional Information)