Post-Desktop User Interfaces

Seminar at the Media Computing Group
WS 09/10

Prof. Dr. Jan Borchers
Max Möllers

Contents

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

Media Computing Group

- Research and development
  - Interaction with multimedia
  - Ubiquitous computing
  - Tangible user interfaces
  - HCI design patterns
  - Based in computer science

PDUI Team @ media computing group

- Prof. Dr. Jan Borchers
  - B.Sc. & M.Sc. CS, U Karlsruhe & U London
  - Ph.D. CS, U Linz, U Ulm & TU Darmstadt
  - Assist. Prof. at Stanford & ETH Zurich
  - Full Prof. of CS, RWTH Aachen Univ.
  - Research area: Interaction Design for New Media
Post-Desktop UIs?

- Desktop metaphor: office-based
- What about non-office tasks?
- Task-specific user-interfaces?
- Research field: Human Computer Interaction
  ➔ Media Computing Group at RWTH

Format

- Language = English
- Groups of 2
- No separation of responsibility.
  - Each person should know the content and be able to give presentation / answer questions.
  - Questions may be directed at a particular person during Q&A session.
Format

- Attending all talks is mandatory
- Only exception: Medical certificate
- Talk and written report are graded separately

Schedule

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<th>Weeks before final presentation</th>
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Deadlines are mandatory!

Milestone 1: Literature Review

- When: 9 weeks before final talk, 9am
- How: Meeting in room 2314 and e-mail submission
- Deliverable:
  - List of at least 7 relevant related papers
  - For each paper: 30 word statement of benefits and contribution
    http://sigchi.org/chi2003/papers_guide.html#contribution

E-Mail Submission

- All submissions
  - to lichtschlag@cs.rwth-aachen.de
  - subject starts with PDUI Submission
    example: “PDUI Submission - Final Talk”
- Everything else
  - to {lichtschlag, max}@cs.rwth-aachen.de

Do NOT cite Wikipedia!
Milestone II: Outline of Report

- When: 7 weeks before final talk, 10am
- How: Meeting in room 2314 and e-mail submission
- Deliverable: Clear structure of final paper submission

Milestone III: First Submission of Report

- When: 4 weeks before final talk, 12pm (noon)
- How: E-mail submission, after correction: feedback meeting on appointment
- Deliverable: First complete version of paper
  - Proof-read, no typos, no layout issues

Milestone IV: Presentation Slides

- When: 2 weeks before final talk, 11am
- How: Meeting in room 2314 and e-mail submission
- Deliverable: Complete, polished version of presentation slides
  - Powerpoint / Keynote slide available on website

Milestone V: Camera-Ready Presentation Slides

- When: 1 weeks before final talk, 12am
- How: Meeting in room 2314 and e-mail submission
- Deliverable: Improved version of presentation slides (after feedback)
  - Last chance to get feedback
Milestone VI: Presentation

- When: Thursdays, 3:45pm - 5:15pm
  - See topics list for exact dates
- Where: Room 2010 or 2U13 (here)
- Format:
  - 40 minute presentation
  - Question and answer
  - Review of presentation style
- Presentation is captured on video
- 50% of final grade

Extra Credit

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

Milestone VII: Final Report Submission

- When: 2 weeks after final talk, 12pm (noon)
- How: Deliver bound, color-printed version in room 2314 and e-mail submission
- Deliverable:
  - Final version of your paper
  - 50% of final grade

Written Report

- We focus on teaching the basics of writing a conference paper.
- Must follow CHI conference paper format guidelines
- Max. 10 pages (learn to be concise)
Further Requirements

• Be impartial and critical
• Attend one user test
  • Deadline: end of the semester
• Ethical Guidelines for the Authoring of Academic Work
• Literature review
  (Literaturrecherche für Informatiker)
• Ask your supervisor if you have 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
  • Demonstrate higher level understanding:
    • Taxonomy / Ontology / Design Space
    • Derive Design Patterns

Time to find a seminar partner ...

... and a topic
Seminar Tips

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

Types of Publications

- Book - (~20 years)
- Journal Paper - (~5-10 years)
- Conference Paper - (~3-5 years)
  - Stick to reputable conferences (e.g., ACM, IEEE)
- Workshop Paper - (~1 year)
- Technical Report - (caution: no peer review)

Typical Review Template

- Rating of Expertise
- Statement of Contribution to HCI
- The Review:
  - Relevant previous work
  - Significance of contribution
  - Validity of work
  - Originality of Work
- Areas of Improvement
- Rating (1-5)

More tips here...

http://hci.rwth-aachen.de/pdui
(see Additional Information)