

Post-Desktop User Interfaces

Seminar at the
Media Computing Group
WS 07/08

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Contents

- Introduction
- Logistics
- Topics
- Tips

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



Post-Desktop UIs?

- Introduction
- Logistics
- Topics
- Tips

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



Media Computing Group

- Introduction
- Logistics
- Topics
- Tips

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

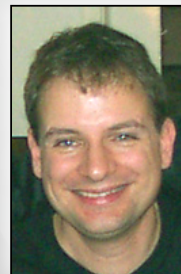


The Team

- Introduction
- Logistics
- Topics
- Tips



Dipl. Inform.
Thorsten Karrer
- RWTH



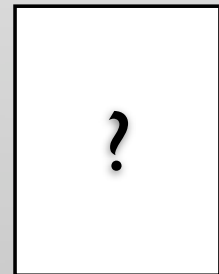
Prof. Dr. Jan Borchers
- Karlsruhe
- Darmstadt, Linz
- Stanford

Dipl. Inform.
Daniel Spelmezan
- RWTH



Dipl. Inform.
Jonathan Diehl
- RWTH

Dipl. Inform.
Malte Weiß
- RWTH



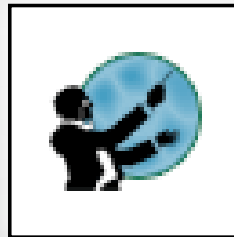
Our Projects

- Introduction
- Logistics
- Topics
- Tips

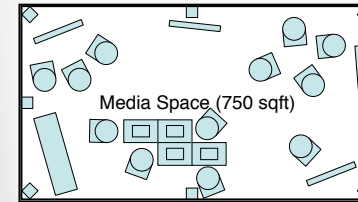


Interactive Exhibits for the Regensburg Experience

Multitouch tables

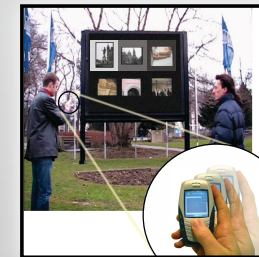
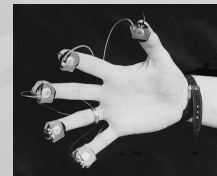


Virtual Conducting Systems



Interactive Room for Collaborative Work with Different Types of Media

Haptic feedback for sports training



Interacting with Large Public Displays



Course Logistics

Introduction

● Logistics

Topics

Tips

- When: Thursdays, 16:00-17:30
 - See Topics list for exact dates
- Where: Room 2010 (here)
- Format:
 - One hour presentation
 - 30 minute Q&A



Group Format

Introduction

● Logistics

Topics

Tips

- Groups of 2
 - **No seperation 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.



Written Report

Introduction

● Logistics

Topics

Tips

- Paper Deadline: One week before presentation.
- Corrections / Improvements after deadline
- We focus on teaching the basics of writing a conference paper.
- Must follow CHI conference paper format guidelines (<http://www.chi2007.org/submit/archiveformat.php>)
- Max: 10 pages (learn to be concise)



Further Requirements

Introduction

● Logistics

Topics

Tips

- Meeting your supervisor if you have questions!
 - Presenting papers, articles, etc.
 - Structure of presentation and paper
 - Presenting slides (2 weeks before presentation)
 - Discussing paper draft
- Attend one user test
 - Deadline: end of the semester



Further Requirements

Introduction

● Logistics

Topics

Tips

- Ethical Guidelines for the Authoring of Academic Work
- Literature review (Literaturrecherche für Informatiker)



Topics

Introduction

Logistics

● Topics

Tips

- 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



Topics

Introduction

Logistics

Topics

Tips

[http://media.informatik.rwth-aachen.de/
pdui_topics_ws0708.html](http://media.informatik.rwth-aachen.de/pdui_topics_ws0708.html)



Seminar Tips

Introduction

Logistics

Topics

● Tips

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



Types of Publications

Introduction

Logistics

Topics

● Tips

- 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)



Library Support

Introduction

Logistics

Topics

● Tips

- The Library has a variety of resources to help you find these different types of publications
- Special courses for you in the CS library:
 - *Mo. 06.08.07, 12:15, 6 people (in English)*
 - *Mo. 24.09.07, 11:00, 6 people (in German)*
- Contact the Mrs. Eschenbach-Thomas for additional courses during the semester



Typical Review Template

Introduction

Logistics

Topics

● Tips

- 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)



Contribution and Benefits Statement

Introduction

Logistics

Topics

● Tips

- Authors must submit along with paper
- For each paper you reference you should provide a C&S statement
- Maximum 30 words



Slide Design

Slide title

Introduction

Logistics

Topics

Tips

Sections

- Keep a clear structure
- Important information?
- Our templates (Keynote, PPT)

Slide count



Slide Content

Introduction

Logistics

Topics

● Tips

- Text
 - Supports presentation
 - Bullet points: short but meaningful
- Media
 - Images
 - Audio & Video



Presentation

Introduction

Logistics

Topics

● Tips

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



More tips here...

Introduction

Logistics

Topics

 Tips

<http://media.informatik.rwth-aachen.de/pdui.html>

(see Additional Information)

