

Exercise 1

Deadline: 03.05.2013; 12:00 (noon)

Task 1: Write a Report about a Research Topic (Individual Homework; 1 Bonus Point)

Write a short report (3-4 pages) about one of the following topics, using our template (which can be downloaded from the website):

1. Adaptive User Interfaces
2. Ambient Interfaces
3. Augmented Reality
4. Around the Device Interaction
5. Backup Authentication
6. Computing for the Elderly
7. Child Computer Interaction
8. Context-Awareness
9. Cross-Cultural User Interface Design
10. Domestic Computing
11. Gesture Input
12. Human-Robot Interaction
13. Implicit Authentication
14. Information Visualization
15. Interaction in the Automobile
16. Interactive Displays
17. Interaction with Tabletop Displays (e.g. MS Surface)
18. Location Based Services
19. Mobile User Interface Design
20. Multi-Display Environments
21. Multimodal Interaction
22. Privacy for Mobile Computing
23. Shareable Displays
24. Speech and Vocal Interaction
25. Tactile and Haptic User Interfaces
26. Text Entry
27. Ubiquitous Computing
28. Usability
29. Virtual Reality
30. Projector Phones

The content should be **English** and include:

- A short description of the topic.
- A history review (When was the topic first mentioned in scientific research, how did it develop and what is its current state?)
- The most recent developments / research approaches
- The three most important publications for the selected topic and a summary of their content. (You don't need to find specific papers, just some highly relevant ones).

The report should give an overview of the topic. It should contain aggregated data, a short analysis, and a description of the methods they used to collect the data. Use figures to illustrate your findings. Additionally, document all the sources you used (including pictures).

Submit your report using UniWorX. Your file has to be a PDF.