



Department of Computer Science

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Exercise Sheet 1

Intelligent User Interfaces: Design and Implementation

Fall Semester 2015/2016

Exercise 1: (compulsory)

Take a look at the reading list and select four papers, two from each category.

<http://www.dfki.de/%7Esonntag/courses/WS13/reading-list.html>

Begin to read with respect to the instruction in

<http://www.dfki.de/%7Esonntag/courses/WS14/How-to-Read-a-Research-Paper.html>

and the review questions: <http://www.dfki.de/%7Esonntag/courses/WS15/Critique.html>

The paper critiques (1-2 pages each) are due to January 8, 2016.

Exercise 2: (compulsory)

Software Project

Phase 1: Topic Selection & Task Analysis:

(You will be contacted by November 21, 2015)

Phase 2: Initial Design and Implementation

Specify system design goals and create an initial conceptual design and implement it together (data annotation task).

This year, we will focus on 3D (video) sensor data + Myo + annotating daily life activities in the IoT (Internet of Things) paradigm.

Phase 3: Final Report and Presentation (due January 23, 2015)

Write a report describing the users, their tasks, your technological solution to supporting them (including design and prototype implementation), and how the system is expected to be used.

What you turn in on January 30: 6 page final report, including two to three page description of the task being supported, how users currently perform this task, and the type of technology you investigated. This should include some indication of how a system might augment current work practices—remember to respect current tradition while looking for ways to transcend current practice. This should include diagrams/drawings of the interface or interactions between system components and users in order to provide a sense of what the system might look like.

You will be contacted by the tutors who will provide further details.