

April 23, 2015

## Exercise 1 Reading

Read the paper "Challenges for Robot Manipulation in Human Environments" by CC Kemp, A Edsinger, and E Torres-Jara, published in the IEEE Robotics & Automation Magazine (available on the course web page).

Write a few sentences in English or German to answer each of the following questions.

1. Select at least one reason why researchers are interested in robots interacting with humans and articulate it.
2. Describe at least two problems researchers face when enabling robots to interact with humans.
3. Formulate your own view on why you find autonomous robots interesting.
4. Do the grand challenges mentioned in the paper relate to the reasons robots are meant to interact with humans and to your own points of interest? Which one and how? Do they relate to the main problems listed in the paper or to problems you know from the lecture?