Protocol

# Sign up:

* Participants fill in the NARS questionnaire (14 items)
* Participants sign up for a 30 minutes slot
* Participants are instructed to come to BSI lab desk and wait there for the experiment leader.

# Towards the lab:

Participants are fetched from the desk by calling out their name and the name of the study. They are guided by the experiment leader to the lab. It is a 1-minute walk. During this walk the experiment leader can ask the participant about their study program but should avoid talking about anything related to the experiments and robots in general.

# Giving Instructions

Participants are asked to sit at desk 1 (V = virtual robot, P = physical robot). See figure 1.

Here they:

* sign the consent forms;
* fill in the pre-PNAS questionnaire; (this gives the experimenter the opportunity the check whether the settings of the experiment are still good)
* get instructions about the experiment.

P2

V2

P2

V1

Q?

Q?

Figure 1: experimental set-up

The instructions are:

“In a minute you can sit at the other desk and meet the (virtual )robot. The goal of this study is to collect instances of spoken input. You’ll be presented with a script of a chit-chat type conversation. Try to say the sentences as natural as possible to the (virtual) robot as if you were to say them to another person. This helps to improve speech recognition in natural situations. In order to help you with this process the robot gives replies or can ask you questions. You exact response is stated in the script. In other words: you will have a real conversation with the (virtual) robot! Each of you will wait your turn. The robots starts, then you can reply, the robot will react again and so on.

To keep the data as clean as possible I would like to ask you to stay on script as much as possible even if you missed something the robot has said. The conversation will be recorded to reconstruct hard parts and errors later if they occur. After the data is processed the recordings will be destroyed. When you are done you can sit back at this desk to fill in a questionnaire. When you are done with the questionnaire you can go outside where the experiment leader will be waiting.