

## Participant Information Sheet



University of the  
West of England

Participant No. ID     e.g. BiB/1  
Faculty                 Bristol Robotics Laboratory  
Project                 RoboSafe: Trustworthy Robotic Assistants  
Researcher             Adriana Hamacher  
                              [adriana.hamacher.11@ucl.ac.uk](mailto:adriana.hamacher.11@ucl.ac.uk)

### **Invitation:**

I am an MSc student at University College London, in the Brain Sciences Department and I am currently conducting a study into how we can make the user's experience of working as part of a human-robot team in a domestic handover situation as satisfactory as possible. Please take time to read the following information carefully and ask me if there is anything that is not clear or if you would like more information. You may also discuss it with others if you wish. Take time to decide whether or not you wish to take part in the study.

If you do decide to take part, you will be given this information sheet to keep and be asked to sign a consent form. If at any point before or during the experiment you decide to withdraw from the study, you will be free to do so without giving a reason. You will also have one week after the end of your participation to withdraw your data, if you decide to do so.

### **Task:**

If you decide to take part in the study, you will be asked to directly interact with BERT2. Please act as you would normally in a real-world scenario when being handed ingredients to make a meal.

### **Study:**

The present research is part of investigating safe and satisfactory handovers in the context of close human-robot interaction. In this experiment the humanoid robotic assistant, BERT2 (BRL and Elumotion Robotic Torso II), will be tasked with handing you the ingredients to make an omelette (the robot will be working with objects mimicking the real ingredients). Your role is to take the objects from the robot and put them in the bowl, acting as far as possible as you normally would in a real-world scenario and answering the robot when it asks a question. Several runs will be performed. We would like you to imagine that each run is with a different version of the same robot. The robot may also talk during the interaction.

### **Safety:**

BERT2 has a pre-defined set of positions it is going to move its arm to and from. The robot will be controlled at all times by the researcher. In the unlikely event that the moves go off-track, the motion will be stopped by pressing an emergency stop button within reach at all times. You will also have the opportunity to say "skip step" or "stop" when you feel it's necessary. The risk of injury is minimal, since the robot's speed is set to a low level, ensuring plenty of response time.

### **Ethics**

This study has ethical approval from the Faculty Ethics Committee. If there are any concerns with the conduct of the trial a participant can contact Louis Gare, committee Secretary, by e-mail [[louis2.gare@uwe.ac.uk](mailto:louis2.gare@uwe.ac.uk)].