

Participant Information Sheet

Title of the study: Does the speech recognition strengthen the interaction between the human and the robot?

Title of the project: Ada, the companion robot

Promotor: Universitat Politecnica de Catalunya

Principal investigator: Augustin Lambert

Researchers: Antoine Caytan, David Gaviria

Center of affiliation: Universitat Politecnica de Catalunya

Place: Live It Ramblas - Working Room - Carrer de la Unio 7, Barcelona

1) Introduction and Procedures

Dear Participant,

You are invited to participate in the research project described below.

a. Project Description

The aim of the project is to create a companion robot that serves as a distraction for a young adult interested in technology.

b. Participation Implication

Your involvement in the project is to interact with the robot in order to analyse your behaviour towards it. Your participation in this study is totally voluntary. You can decide to participate or not in this project. Similarly, you can leave the study at any time by revoking the informed consent without affecting it in any way. You have the possibility to choose the destination of your data in case of withdrawing from the study, including its destruction.

c. Description of the Activity

The test will take about **5 minutes**. It consists of **5 operations**. In each operation, you will be given a **sentence**. You will have to express yourself to the robot by **reading** this sentence. Then, evaluate the interaction you had with it on a scale of 1 to 5.

- 1 : **very bad** or almost no interaction.
- 5 : **good** interaction.

2) Nature of the Participation

a. Benefits

The participant in this study will be able to know the research that takes place in our centre about social robotics. In addition, you can interact with the Ada robot and resolve any doubts you may have about the technology involved.

b. Risks

The security risks are minimal. In this case: the robot has no sharp edges and no part of the electronic system can create any sensation. In any case, the box is solid and no physical interaction will be required from the participant. The robot has a unique on/off button that is directly connected to the battery that can play the role of emergency stop buttons. In addition, the robot is programmed to operate in docile mode and at a relatively low speed, which guarantees the safety of the participants.

c. Disseminations of the results

The only personal information that will be collected from each participant is their age, gender and country of origin. The name of the participant will not be asked so that the study is guaranteed to be anonymous. No audio or visual recording will be made. The results will not be published but simply used by the project team.

3) Additional Information

You have the right to clarify all the doubts that are presented to you at any time, being able to request more detailed information about the investigation. For this you can contact the principal investigator or the responsible researcher who will be in the same room. If you consider that all doubts have been clarified and you are convinced to participate in this study, you can then sign the informed consent form here under.

4) Informed Consent Form

I **declare** that I have read the Participants Information Sheet and that a copy has been given to me, that I have had sufficient time and been given the opportunity to ask questions, and that I have received sufficient information from the researcher, who has adequately informed me of the conditions of my participation in this investigation. I have been assured of the confidential treatment of my data.

I further **declare** that I understand that my participation is voluntary, so that I can withdraw from the research freely, at any time during the experiment and for any reason, and that:

☐ **I GIVE,**

☐ **I DO NOT GIVE,**

my consent to participate in the research that has been proposed to me.

Date and **Signature** of the participant: