

Study Questionnaire

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) Participant Information

Dear Participant,
You are invited fill in your following information:

Age:

Gender: ☐ **Male**, ☐ **Female**

Country:

2) Instructions

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. Note that Ada does not always react correctly. Feel free to **repeat** the sentence several times until Ada understands. Once Ada has reacted, write down the number of times you had to repeat yourself and rate your appreciation of the reaction on a scale of 1 to 5.

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

3) Evaluation

a. **Say :** *"I love you Ada"*

How many times have you had to repeat :

Rate your appreciation of the reaction : 1 - 2 - 3 - 4 - 5

b. **Say :** *"Are you happy Ada ?"*

How many times have you had to repeat :

Rate your appreciation of the reaction : 1 - 2 - 3 - 4 - 5

c. **Say :** *"I'm sad"*

How many times have you had to repeat :

Rate your appreciation of the reaction : 1 - 2 - 3 - 4 - 5

d. **Say :** *"Let's dance !"*

How many times have you had to repeat :

Rate your appreciation of the reaction : 1 - 2 - 3 - 4 - 5

e. **Say :** *"I'm really angry"*

How many times have you had to repeat :

Rate your appreciation of the reaction : 1 - 2 - 3 - 4 - 5