

Tower construction game: questionnaire

Now you have finished the tower construction game with COZMO, please answer this questionnaire regarding your experiences. It aims at collecting data regarding the role of artificial emotion of robots in human-multi-agent collaboration.

NB: The information you provide will be kept completely confidential and stored in password protected computers. No information will be stored on computer media that could identify you as a specific person.

1. Participant ID

Tower construction game questionnaire

2. 1. What better describes your impression on COZMO's intelligence?

Mark only one oval.

- ☐ I find them smart/capable
- ☐ I find them silly/incompetent

3. 2. What better describes your impression on COZMO's friendliness?

Mark only one oval.

- ☐ I find them warm/kind
- ☐ I find them distant/malicious

4. 3. How much did you enjoy this game?

Mark only one oval.

	0	1	2	3	4	5	
Not at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very enjoyable

5. 4. Do you think you had an efficient collaboration with COZMO?

Mark only one oval.

	0	1	2	3	4	5	
We cannot collaborate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	We are the most efficient team

6. 5. Do you find COZMO's intentions easy to understand?

Mark only one oval.

- ☐ I couldn't understand what their intentions are
- ☐ I understood their intentions sometimes
- ☐ I understood their intentions most of the time
- ☐ I can always understand their intentions

7. 6. How successful would you rate the game session?*Mark only one oval.*

- ☐ I think the game failed because of COZMO's mistakes
- ☐ I think the game failed because of my mistakes
- ☐ I think the game was a success because I saved it
- ☐ I think the game was a success because I worked together with COZMO

8. 7. Imagine you need to tidy your home, and a group of COZMOs are available to help, how likely would you team up with them?*Mark only one oval.*

- ☐ I prefer to do everything myself
- ☐ I would like to have COZMO's help with some tasks
- ☐ I would like to have COZMO's help with all the tasks
- ☐ I am likely to have COZMOs do everything instead of me

9. 8. Imagine you are in a search and rescue mission, and a group of COZMOs are available to help, how likely would you team up with them?*Mark only one oval.*

- ☐ I prefer to do everything myself
- ☐ I would like to have COZMO's help with some tasks
- ☐ I would like to have COZMO's help with all the tasks
- ☐ I am likely to have COZMOs do everything instead of me

10. 9. Do you have any concerns on implementing artificial emotions in robots or other intelligent agents?

11. 10. What advices would you give for future design of emotionally capable robots or intelligent agents?
