Explanations about collaborative robotics and adaptation

This is the last part of the study in which you will answer a questionnaire about the video and explanations you have just seen. Please, carefully read the following questions and answer each of them.

1. User ID *

   _____

2. Group selection *

   Mark only one oval.

   ( ) Group 1

   ( ) Group 2

   ( ) Group 3

Personal information and background

3. Which gender identity do you identify the most with? *

   Mark only one oval.

   ( ) Female

   ( ) Male

   ( ) Prefer not to say

   ( ) Other: _____

4. How old are you? *

_____

5. Do you have knowledge of engineering, artificial intelligence or robotics? *

Mark only one oval.

◯ Yes

◯ No

6. Have you ever interacted with a robot? *

Mark only one oval.

◯ Yes

◯ No

Questionnaire

The video and explanations you have just seen were prepared to train people before they interact with a real robot. In this case, we ask you to imagine that you are the person who is receiving the training. Hence, whenever you read sentences including expressions such as: 'our needs' or 'our work', they refer to the task of training. In other words, the task of learning what the robot can do (plan's adaptations) and some details about the collaboration (e.g., the shared goal and plan). It is also important to know that from now on, we will refer to the received explanations as 'information' (e.g., 'this information', 'the amount of information', etc.).

Please, carefully read the following questions and answer each of them.

7. This information is of sufficient volume for our needs. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

8. The amount of information does not match our needs. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

9. The amount of information is not sufficient for our needs. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

10. The amount of information is neither too much nor too little. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

11. This information is useful to our work. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

12. This information is relevant to our work. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

13. This information is appropriate for our work. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

14. This information is applicable to our work. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

15. This information is easy to understand. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

16. The meaning of this information is difficult to understand. *

    Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

17. This information is easy to comprehend. *

    Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

18. The meaning of this information is easy to understand. *

    Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

19. It is easy to interpret what this information means. *

    Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	○	○	○	○	○	○	○	○	○	○	○	I totally agree

20. This information is difficult to interpret. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

21. It is difficult to interpret the coded information. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

22. This information is easily interpretable. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

23. The measurement units for this information are clear. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

24. This information was objectively collected. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

25. This information is based on facts. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

26. This information is objective. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

27. This information presents an impartial view. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

28. This information is believable. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

29. This information is of doubtful credibility. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

30. This information is trustworthy. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

31. This information is credible. *

Mark only one oval.

	0	1	2	3	4	5	6	7	8	9	10	
I totally disagree	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	I totally agree

Open questions

Please, carefully read the following questions and answer each of them. Note that you will need to explain your answer in some cases.

32. Imagine that you are asked to collaborate with the real robot. This includes to understand the robot's plan adaptations and the collaborative goal and plan. Do you believe that a video without explanations can be enough to prepare and train you to collaborate with the robot? *

Mark only one oval.

◯ Yes

◯ No

33. Please, explain your answer. *

_____

_____

_____

_____

34. Continue imagining that you are asked to collaborate with the real robot. Do you think that the textual explanations have helped you to be prepared for the different situations that you can face during the collaboration? *

Mark only one oval.

◯ Yes

◯ No

35. Please, explain your answer. *

_____

_____

_____

_____

36. Now imagine that when an explanation has something in common with a previous explanation, you receive a   *
    summarized explanation. Would you prefer a summarized (shorter) explanation or a complete (longer) one
    that is more informative but repeats some information?

    Mark only one oval.

    ◯ I would prefer a summarized explanation

    ◯ I would prefer a complete explanation

37. Please, explain your answer. *

    _____

    _____

    _____

    _____

    _____

38. Think for a moment that you can select the content of the explanations about the plan adaptations and the   *
    collaborations. Which content would you choose so that you could better learn to collaborate with the robot?

    _____

    _____

    _____

    _____

    _____

Google Forms