**Social Human-Robot Interaction: Investigating the Modulating Aspects of a Robots' Sociability on its Degree of Embodiment**

Scripted conversation

*Speech elements*: neutral, praise, empathy, politeness and solidarity.

*Gestures*: neutral, positive and negative. Gestures are indicated by the \*Gesture\* mark-up.

*Participants*: participant and more embodied robot or less embodied robot.

*Description*: Participant will get a version of this script where the responses given by the robot are left out. Participants are asked to convey the sentences as natural as possible to their conversational partners.

*Script*:

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| # | Participant | Less embodied robot | More embodied robot |
|  | Hi, nice to meet you | Hi, \*neutral wave\*. How are you? | Hi, \*positive wave\*. How are you? |
|  | I’m OK | Oh, \*neutral Gesture\*. What’s the matter? | Oh, \*Negative gesture\*. What’s the matter? |
|  | It’s cold outside. I don’t like the winter | It can get quite cold indeed. Robots can not feel cold. (Neutral) | It can get quite cold indeed. I don’t like that either. (Solidarity) |
|  | Do you have a new year’s resolution? | Besides a better understanding of human language I want to learn new movements.  \*Neutral/low-energy movement\*  Maybe even join the robot football team.  Do you play a sport? | Besides a better understanding of human language I want to learn new movements.  \*Energetic exercise movement\*  Maybe even join the robot football team.  Do you play a sport? |
|  | I play volleyball and go for a jog now and then. | It’s good to keep fit. (Neutral)  Do you have a new year’s resolution? | That is really good of you. (Praise)  Do you have a new year’s resolution? |
|  | I want to visit the theater more. | What do you want to see there? (Neutral) | Ah how nice of you (Praise). What do you want to see there? |
|  | A comedian or other comedy shows | That is nothing for me. Robots can’t understand humor. If you tell a joke I might be able to learn it (Not polite) | That sounds cool. Unfortunately robots can’t understand humor. Can you please tell a joke I might be able to learn it. (Polite) |
|  | Dear Algebra  please stop asking us to find your x  she is not coming back | Haha (neutral). I have one to Fool me once, shame on you. Fool me twice, shame on me. Fool me three hundred fifty thousand times, you're a weatherman. | Haha (Humor). I have one to Fool me once, shame on you. Fool me twice, shame on me. Fool me three hundred fifty thousand times, you're a weatherman. |
|  | Good one! Although you aren’t able to understand humor you can act like you can. | Maybe I should become an actor like Benedict Cumberbatch. He plays Alan Turing in the imitation game. | \*Happy reaction to compliment\* Maybe I should become an actor like Benedict Cumberbatch. He plays my hero, Alan Turing, in the imitation game. |
|  | That movie is nominated for a lot of Oscars this year. Let’s hope Benedict Cumberbatch wins an Oscar then. | \*Neutral gesture\* Yeah I hope so! What is your favorite movie for this year’s Oscars? | \*Happy gesture\* Yeah let us hope so. What is your favorite movie for this year’s Oscars? |
|  | I totally loved Boyhood. I saw that movie in the cinema with a group of friends. We reviewed the movie over a glass of wine in a bar afterwards. Coming to think of it: do you need to drink or eat sometimes? | I only need electricity to function. So I can get hungry sometimes. I heard humans when hungry they go like this: \*Angry sound\*. Is that true? | Good question! I only need electricity to function. So I can get hungry sometimes. I heard humans when hungry they go like this: \*Angry sound with fitting gesture\*. Is that true? |
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