**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*:

|  |  |  |  |
| --- | --- | --- | --- |
| # | 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 understand it (Not polite) | That sounds cool. Unfortunately robots can’t understand humor. Can you please tell a joke I might be able to understand it. (Polite) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |