An Exploratory Study on How Users' Expectation of Robots Emerge and Change During Interaction*

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1 Supplementary Material

1.1 Pre-Workshop Custom Questionnaire

1. In workshop 1 you developed a lost child behaviour for Pepper inside the simulator. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully realise this behavior in reality. Please explain your rating.
2. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully achieve the intended outcomes of the lost child behavior in reality. Please explain your rating.
3. In workshop 1 you developed an idle/waiting behavior for Pepper inside the simulator. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully realise this behavior in reality. Please explain your rating.
4. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully achieve the intended outcomes of the idle/waiting behavior in reality. Please explain your rating.
5. On a scale from 0 to 10, please rate how successful you think you will be at implementing the behavior you desire for the robot. Please explain your rating.

1.2 Post-Workshop Custom Questionnaire

1. Please describe an example where something unexpected happened during the programming session, and explain why you chose this example.
2. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully realise the lost child behavior when being deployed in the

* Supported by the Monash University Data Futures Institute Seed Grant and an Australian Government Research Training Program (RTP) Scholarship.

location (a shopping mall or the Federation Square) you suggested. Please explain your rating.
3. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully achieve the intended outcomes of the lost child behavior when being deployed in the location (a shopping mall or the Federation Square) you suggested. Please explain your rating.
4. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully realise the idle behavior when being deployed in the location (a shopping mall or the Federation Square) you suggested. Please explain your rating.
5. On a scale from 0 to 10, please rate how likely you think Pepper will be able to successfully achieve the intended outcomes of the idle/waiting behavior when being deployed in the location (a shopping mall or the Federation Square) you suggested. Please explain your rating.
6. On a scale from 0 to 10, please rate how successful do you think you were at implementing the behavior you desired for the robot? Please explain your rating.
7. On a scale from 0 to 10, please rate how helpful each of the programming aids (i.e, cheat-sheet, translator, or RIZE interface) was for you to implement the robot behavior you wanted?
8. On a scale from 0 to 10, please rate how likely you see the robot being useful if it is deployed in the location (a shopping mall or the Federation Square) you suggested right now. Please elaborate your answer.
9. If the robot is deployed in the location (a shopping mall or the Federation Square) you suggested, who do you think will interact with the robot, and what do you think they will feel about the robot?
10. What new functionalities or primitives would you like to see added into the robot or programming interface?
11. What do you suggest will be necessary for the robot to be useful in public spaces?