Women and Men Collaborating with Robots on Assembly Lines:

Designing A Novel Evaluation Scenario For Collocated Human-Robot Teamwork

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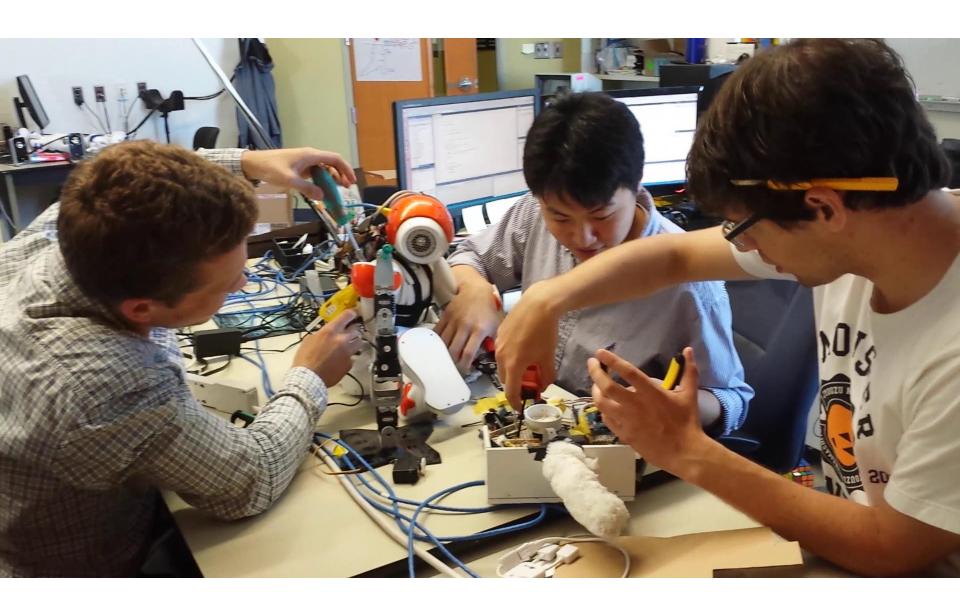














Do women and men work differently with a robot on assembly lines?

challenges

we need a plausible task

social interaction

capability of robot

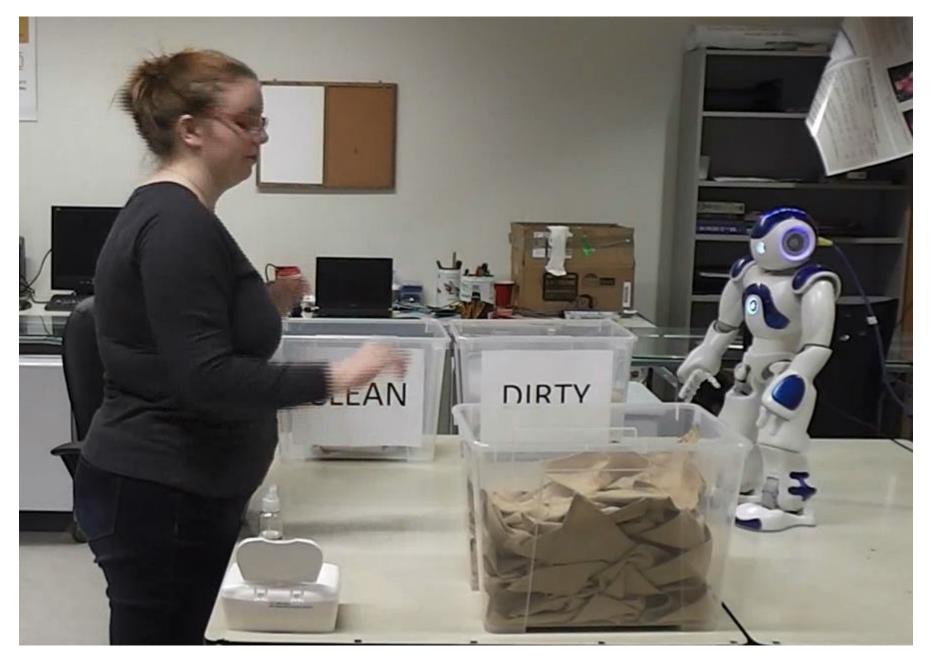
gender difference

task - product inspection



task - product inspection





social situations

robot makes a mistake

opportunity for small talk

praise and criticism

touch

social situation – mistake



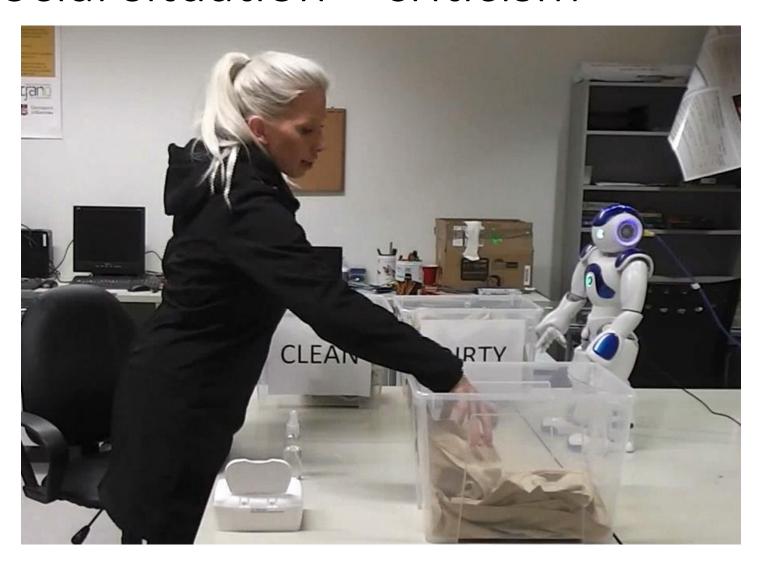
social situation — small talk



social situation – praise



social situation — criticism



social situation — touch





pilot study

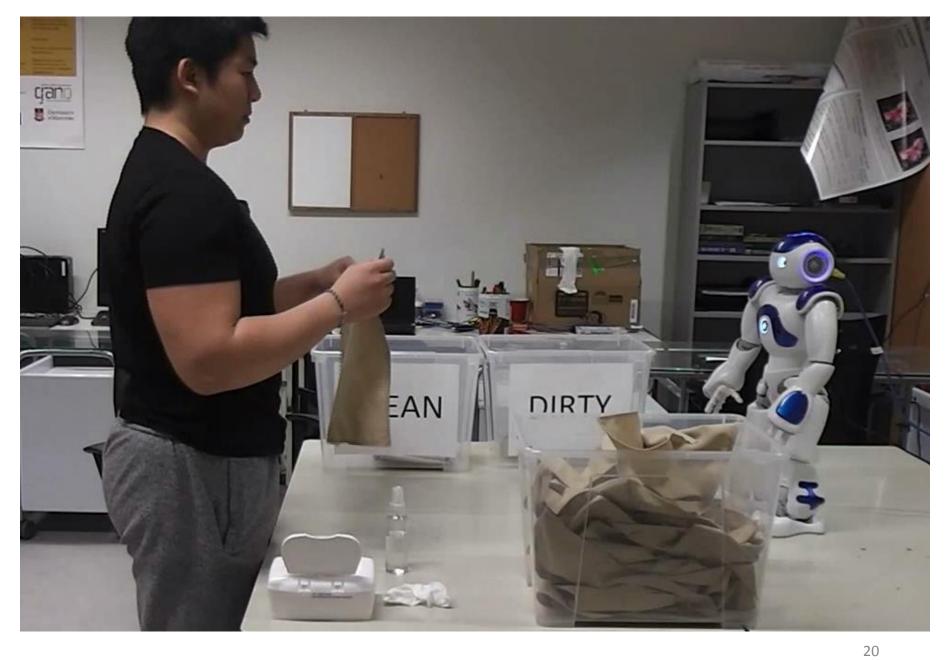
10 first- and second- year sociology students

4 male

6 female

Do people engage the robot socially?

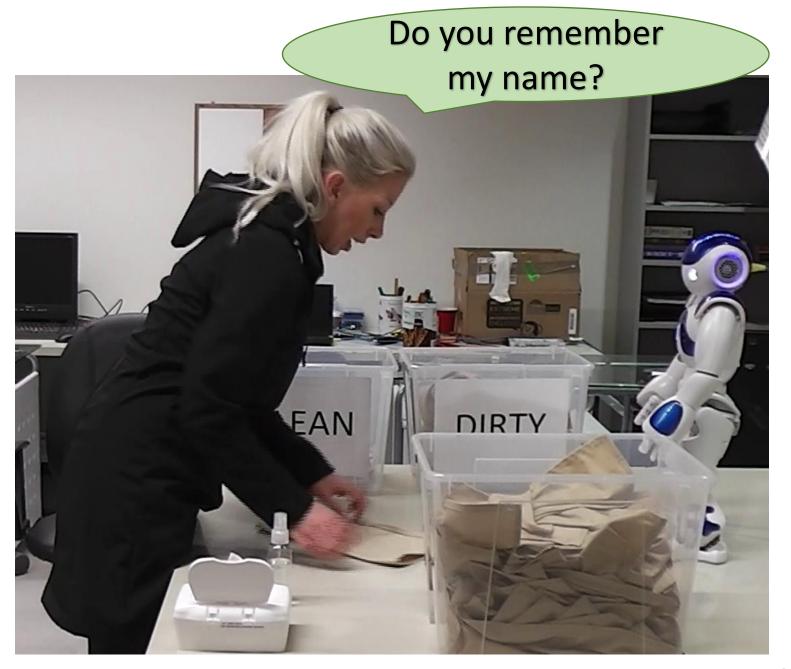




People attempt to build rapport with the robot.

So, what's your name?









Do you know any jokes?



How old are you?



Are you a girl or boy?







I am following you here



future work

enhance scenario

feedback to robot opportunity for collaborative teaching camera angle to capture gestures

language

male-normative female-normative

gestures

lean toward

challenges for gender research in HRI

social situations for exploration

scenario with a plausible task

challenges for gender research in HRI

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