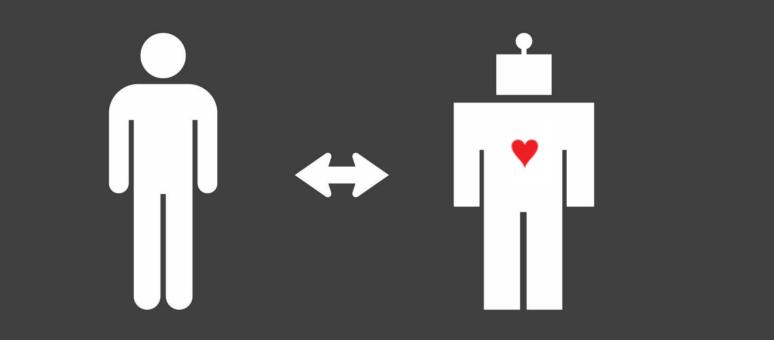
The Autonomy Levels and the Human Intervention Levels of Robots: The Impact of Robot Types in Human-Robot Interaction

Jung Ju Choi Ewha Womans University

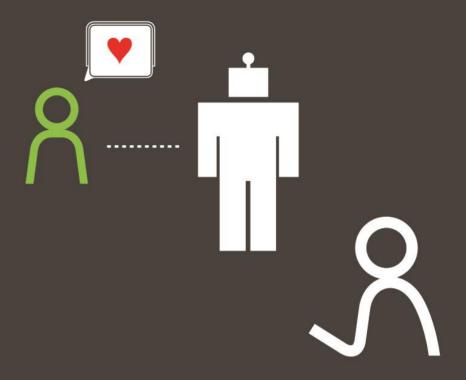
Yunkyung Kim
Korea Advanced Institute
of Science and Technology

Sonya S. Kwak Ewha Womans University





Autonomous Robot



vs. Tele-operated Robot



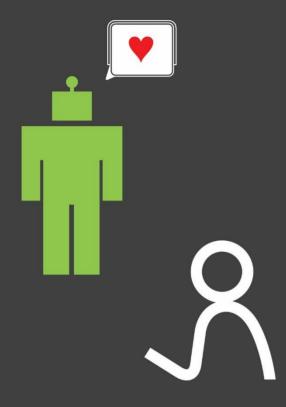




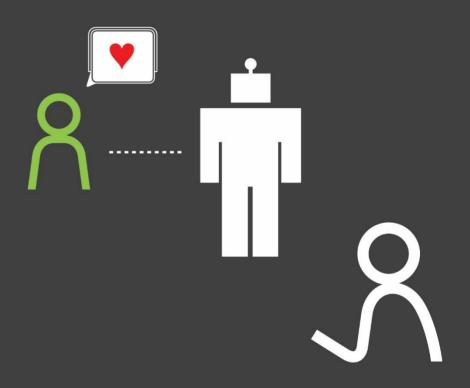
Autonomous Robot



Tele-operated Robot



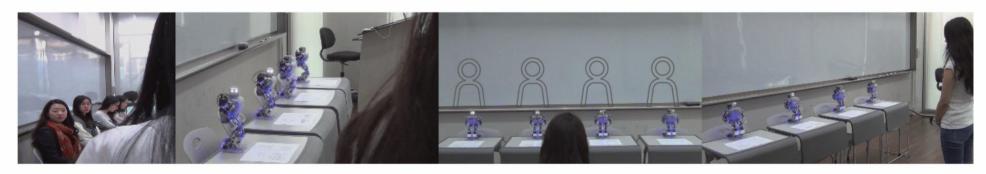
Autonomous Robot



Tele-operated Robot



Autonomous Robots



Tele-operated Robots



Intelligence (5 items, Cronbach's $\alpha = .82$)

(Bartneck et al., 2009)

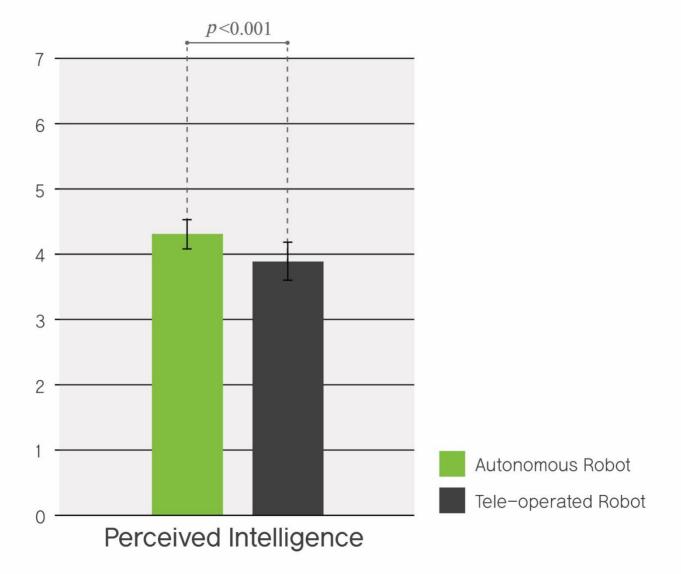


Social Presence (5items, Cronbach's $\alpha = .93$)

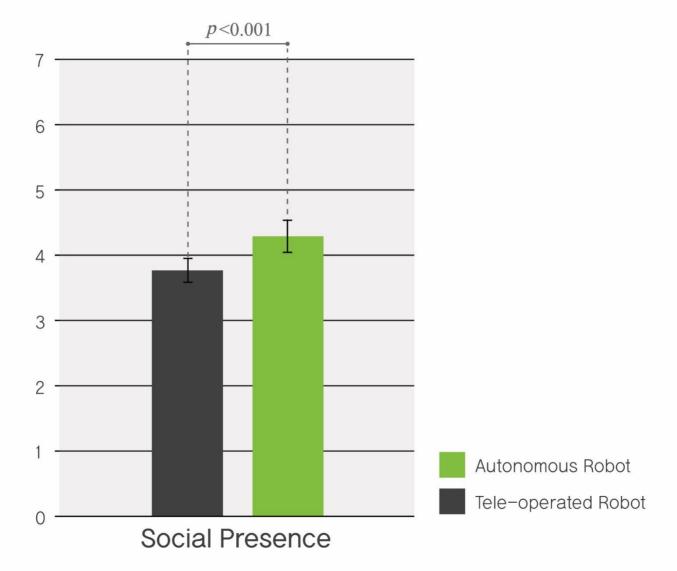
(Heerink et al., 2008)

H1. Participants will perceive autonomous robots as more intelligent than tele-operated robots.



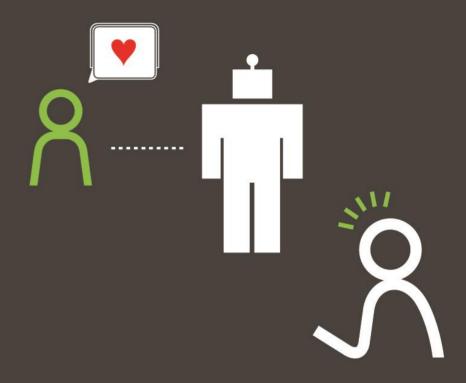








Autonomous Robot



vs. Tele-operated Robot