

Mobile Apps II: Week 10 Summaries

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1 Abstract:

[1] The first source is "Challenges in Collaborative HRI for Remote Robot Teams", which discusses challenges in collaborative HRI for remote robot teams. There is this dilemma of trust between the robot and the one operating/controlling the robot. They present a solution to instill trust in the operator through a 'mediator robot' that can exhibit social skills, alongside sophisticated visualization techniques.

2 Abstract:

[2] The second source, ""Two Many Cooks": Understanding Dynamic Human - Agent Team Communication and Perception Using Overcooked 2", discusses a research study regarding effective communication during human-AI collaboration. It compares the differences between human-human teamwork and human-agent teamwork. They want to investigate the differences in communication quality, team perception, and performance of a human actor.

References

[1] Helen Hastie. Challenges in Collaborative HRI for Remote Robot Teams, May 2019

[2] Andres Rosero, Faustina Dinh, Ewart J. de Visser, Tyler Shaw, Elizabeth Phillips. "Two Many Cooks": Understanding Dynamic Human - Agent Team Communication and Perception Using Overcooked 2, October 2021