

# Mobile Apps II: Week 11 Summaries

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## 1 Abstract:

[1] The first source is "Robot, Pass Me the Tool: Handle Visibility Facilitates Task-oriented Handovers", which discusses how visual occlusion of an object being passed affects the subjective perception and quantitative performance of the human receiver. They found that a robot that offers objects to that their handles are more occluded forces the receiver to spend more time in planning and executing the grasp and also lowers the probability that the tool will be grasped by the handle.

## 2 Abstract:

[2] The second source, "Affordance-Aware Handovers With Human Arm Mobility Constraints", 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] Valerio Ortenzi. Robot, Pass Me the Tool: Handle Visibility Facilitates Task-oriented Handovers, March 2022

[2] Paola Ardón. Affordance-Aware Handovers With Human Arm Mobility Constraints, April 2021