

Mobile Apps II: Week 3 Summaries

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1 Abstract:

[1] The first source is "Critical Considerations for Human-Robot Interface Development", which discusses concepts that are important when thinking of creating an interface design for robots. It draws upon the problem from an engineering perspective in which HRI is designed for most robotic systems. It contains user testing and results that can be applied to HRI.

2 Abstract:

[2] The second source, "Towards Effective Interface Designs for Collaborative HRI in Manufacturing", talks about the methodology for the evaluation of human-machine interfaces and HRI. It discusses an overview of the challenges that we currently face in the robot systems present. There are diagnostics reporting and statistical information entailed within.

References

[1] Julie A. Adams. Critical Considerations for Human-Robot Interface Development, May 2002

[2] Marvel, Jeremy A. and Bagchi, Shelly and Zimmerman, Megan and Antonishek, Brian. Towards Effective Interface Designs for Collaborative HRI in Manufacturing: Metrics and Measures, January 2021