

WORKSHOP FACILITATORS



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WORKSHOP RESOURCES



Github (Workshop Resource)
https://github.com/LoyWeiWin/ARHRC_CAADRIA2024_Workshop



Discord (For Communication) https://discord.gg/n4jzrdYJky

LEARNING OBJECTIVES

- Participants will learn the basic concepts of human-robot collaboration (HRC)
- Participants will learn about the intricacies surrounding collaborative assembly routines (either with human collaborators or robotic arms).
- Participants will learn to author and prototype robotic workflows and simulations
- Participants will be able to think independently about novel robotic workflow concepts
- Participants will be able to experimentally validate their concepts in a full-scale prototype.

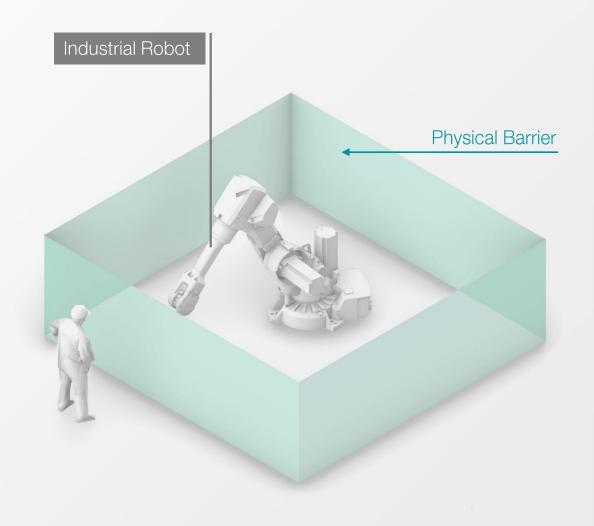


RESEARCH MOTIVATION

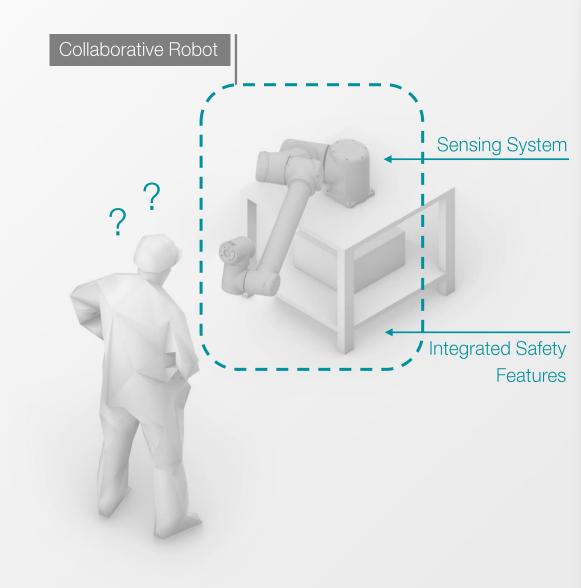
"How <u>collaborative robots</u> can be integrated into a <u>flexible design-fabrication scenario</u> via <u>AR interface</u> to provide a <u>helping hand to creative</u> <u>architectural designer(s)?"</u>



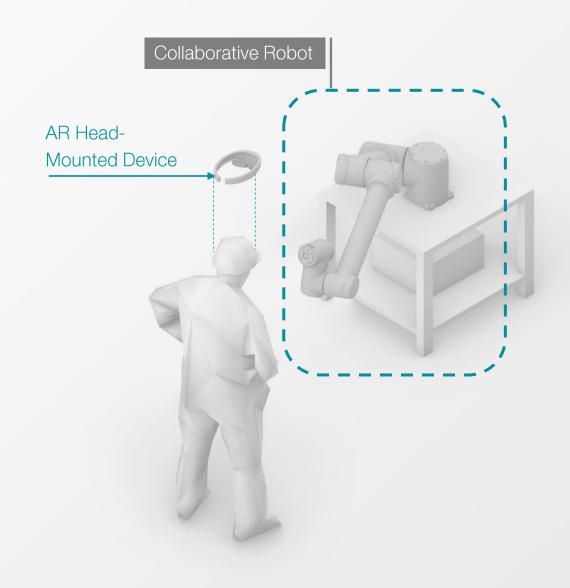
Why Collaborative Robot? Why Augmented Reality?



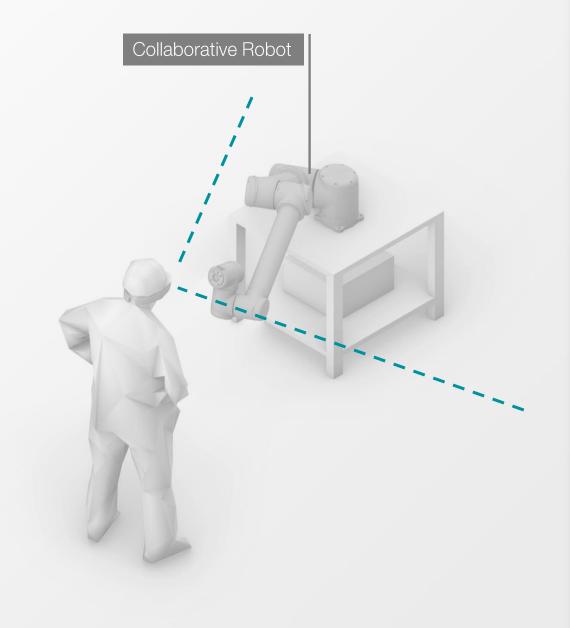
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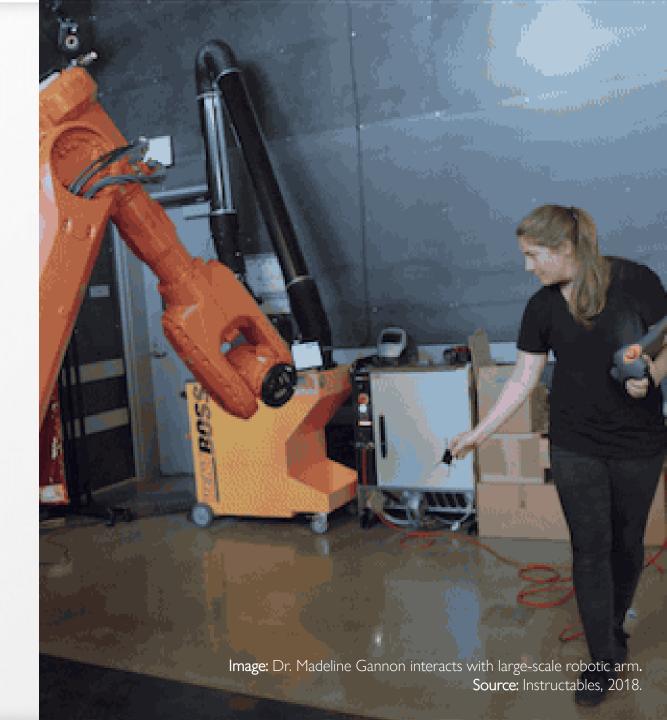
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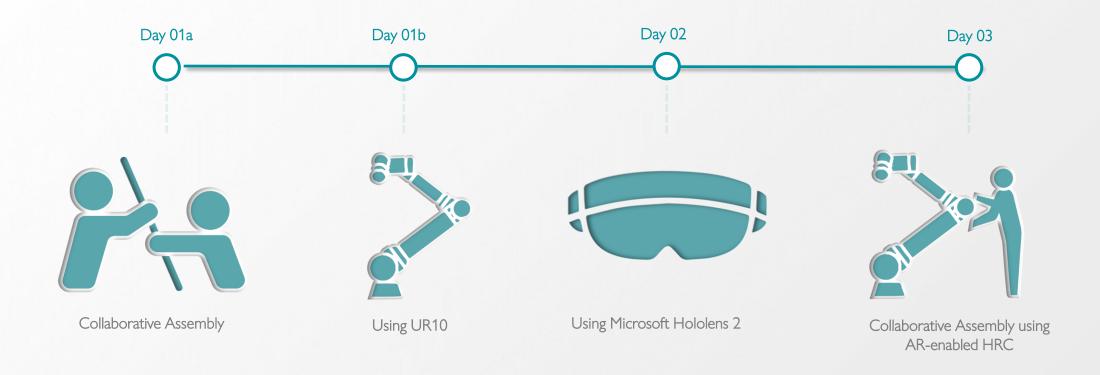


Why Collaborative Robot? Why Augmented Reality?



CAADRIA WORKSHOP SCHEUDLE

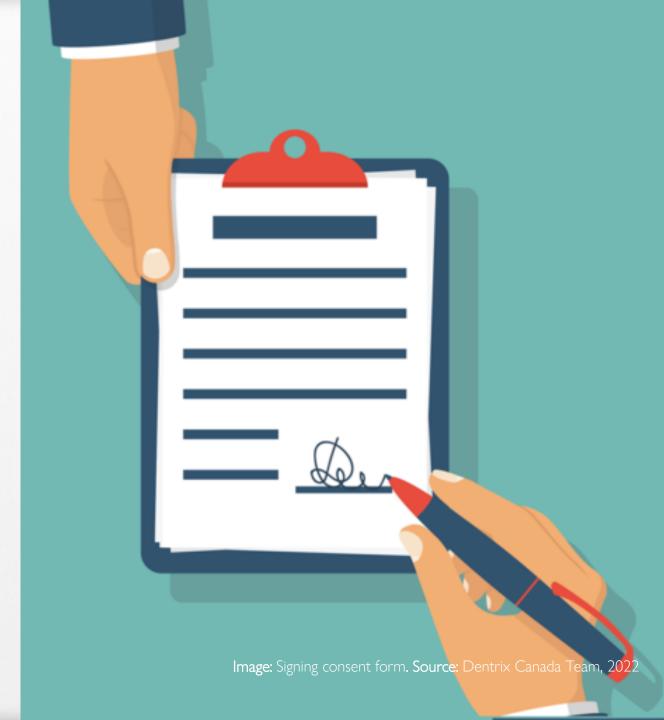
Augmented Reality (AR) – enabled Human-Robot Collaboration (HRC)



CONSENT FORM

Your participation is completely voluntary** and agree for the CAADRIA workshop to be audio and video recorded.

** If you wish to withdraw your consent to participate please ask the research team for the withdrawal of consent form. Your withdrawal will not jepardise your relationship with QUT.



BREAK & WILL BE BACK

10 minutes (make sure you have stay hydrated)