

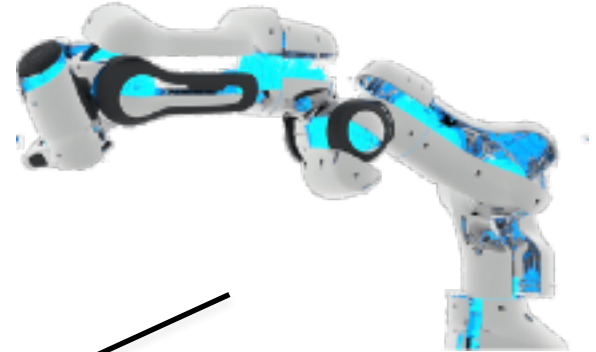
Research Question:

Can an AR application improve Human-Machine communication?



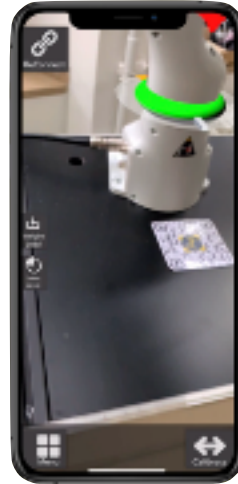
Source: [Link](#)

Human perception



Source: Own Figure

Robot perception



Source: Own Figure

Franka Emika Augmented Reality Application

FEAR App

Pre-Study: Which functions should be in this application?

Questions

1. Problems with:

- Joint limits?
- Payload?

2. Is a [...] useful?

- task preview
- recording function

Results

Joint Limits:

Problem for 9/12

Task Preview:

Useful for 11/12

Payload:

Problem for 8/12

Recording function:

Useful for 4/12