

SpotOn: Mixed Reality Interface for Multi-Robot Cooperation Tim Engelbracht¹, Petar Lukovic¹, Kai Lascheit¹, Tiark Behrens¹

Tim Engelbracht¹, Petar Lukovic¹, Kai Lascheit¹, Tjark Behrens¹ René Zurbrügg¹, Hermann Blum^{1,2}, Zuria Bauer¹ ¹ETH Zurich ²University Bonn

1 Introduction

Objective:

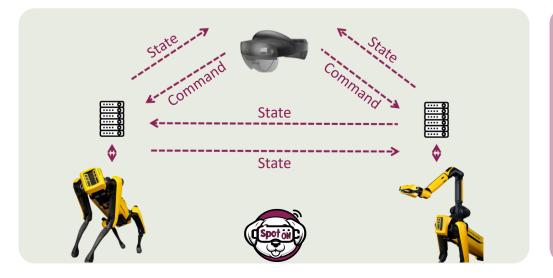
- Collaboration of two robots
- Control via MR headset
- Extending semantic understanding from observations



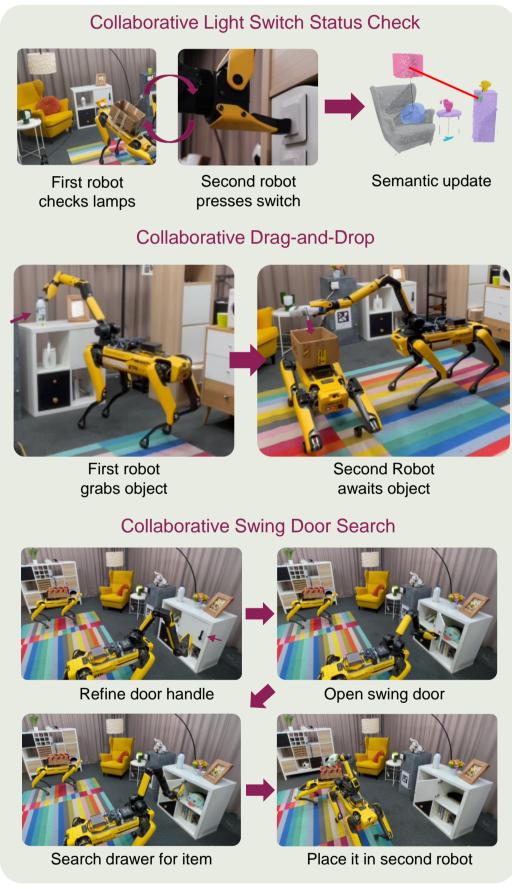
2 User Interface



3 Networking Architecture



4 Results



5 Conclusion & Future Work

Summary:

- Solving a larger set of complex tasks more robustly than state of the art
- Faster execution of tasks due to distribution of workload

Improvements:

- Enhanced path planning
- · Map extension via internal sensors
- Completely open language interface

