

AutonOHM team's experience in ERL - Industrial Robots

Team AutonOHM



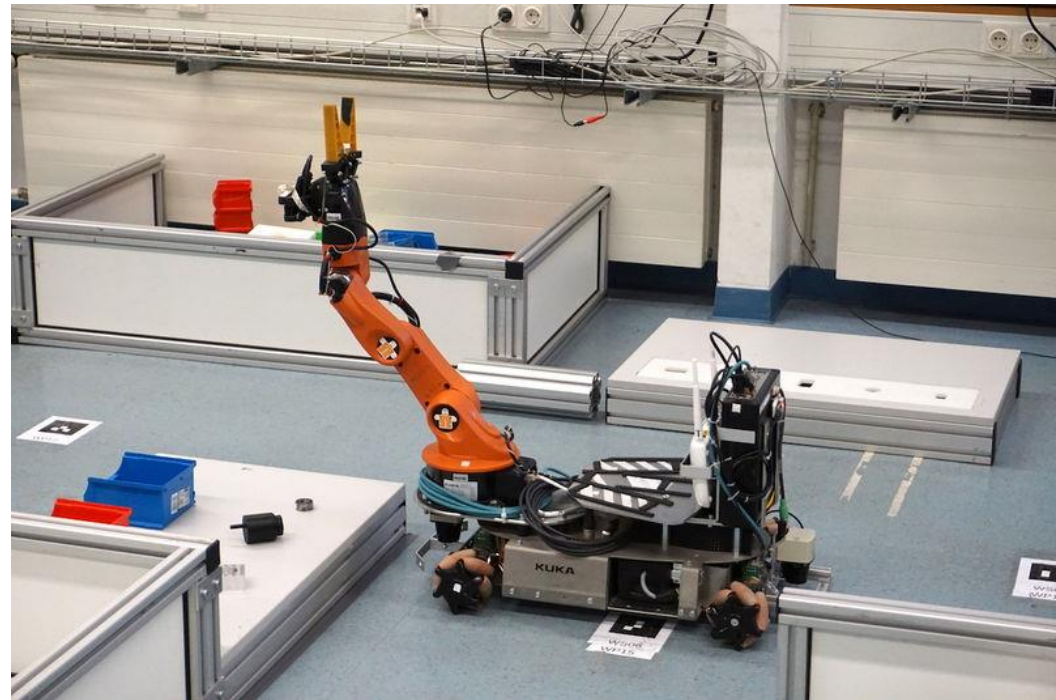
Robocup @work and ERL - Industrial Robots competitions

- Mapping
- Localization
- Navigation
- Vision
- Logistics



YouBot platform

- Omnidirectional movements
- 5 axis robot arm
- Gripper
- 2D/3D camera



Robotics competition

- Bachelor and Master Thesis and **a lot of free time**
- Face problems and look for solutions
- Few days to show the work of several months

Major Robotics Competition Problems

- Stress
- Much to show in a few time
- No time to think about what went wrong
- No much cooperation

ERL Local Tournament

- 4 days into a real competition environment
- Only two type of tasks
- Benchmarking system
- Financial assistance
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ERL Local Tournament Results

- Relaxed environment
- Cooperation
- Improvement
 - Navigation (Accuracy $< 1^\circ$ and 4 cm)
 - Barrier tape Detection