

APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN ROBOTICS

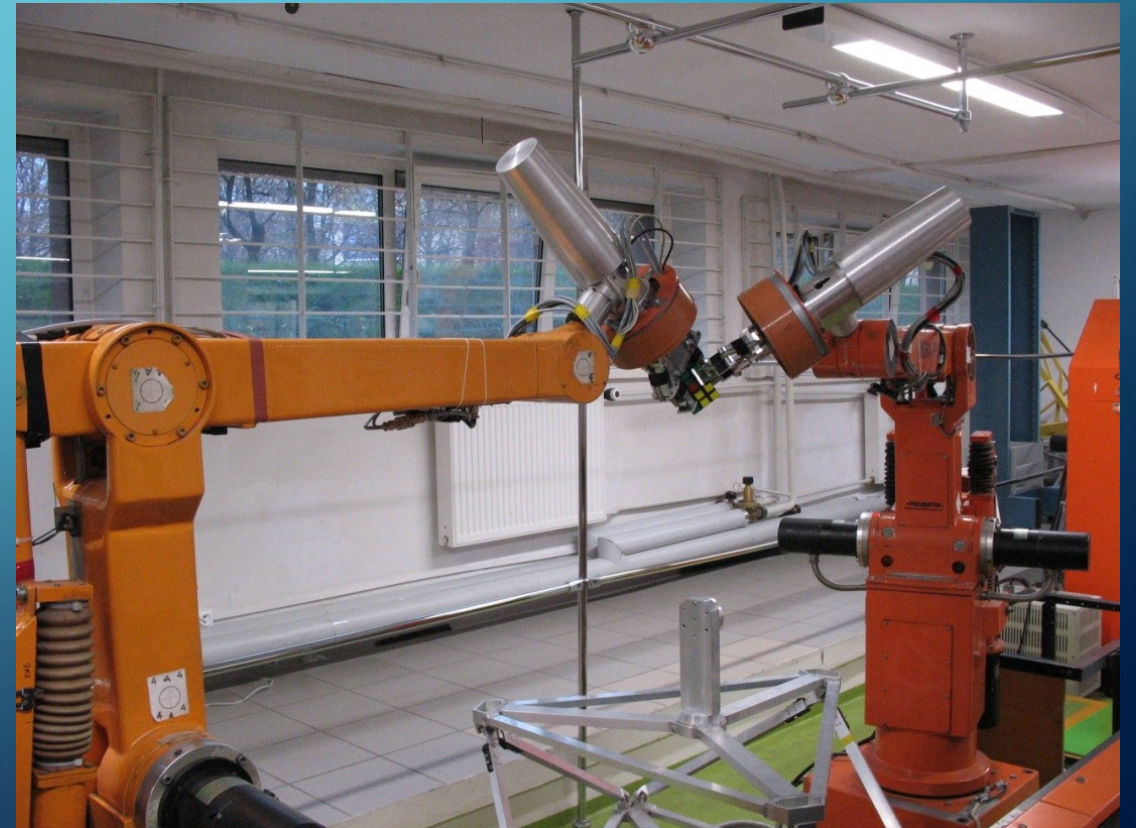
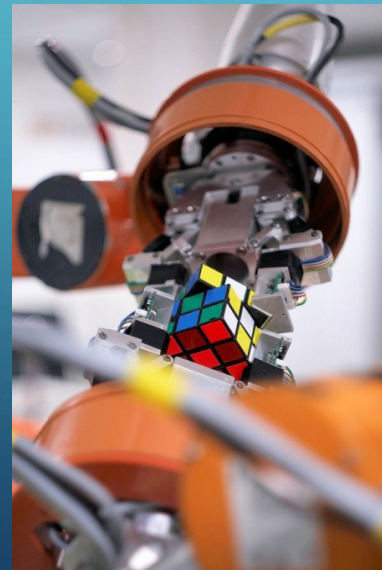
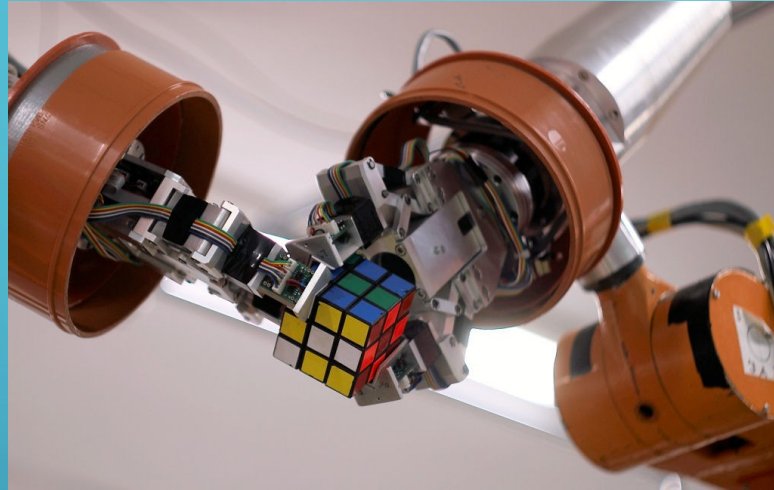
CEZARY ZIELIŃSKI

WARSAW UNIVERSITY OF TECHNOLOGY

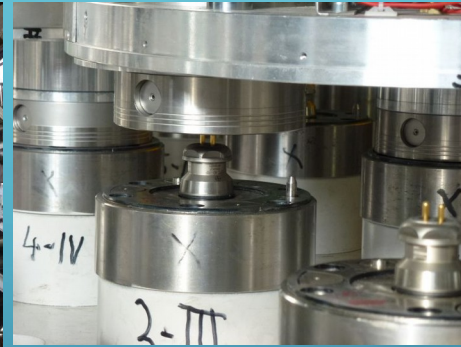
FACULTY OF ELECTRONICS AND INFORMATION TECHNOLOGY

INSTITUTE OF CONTROL AND COMPUTATION ENGINEERING

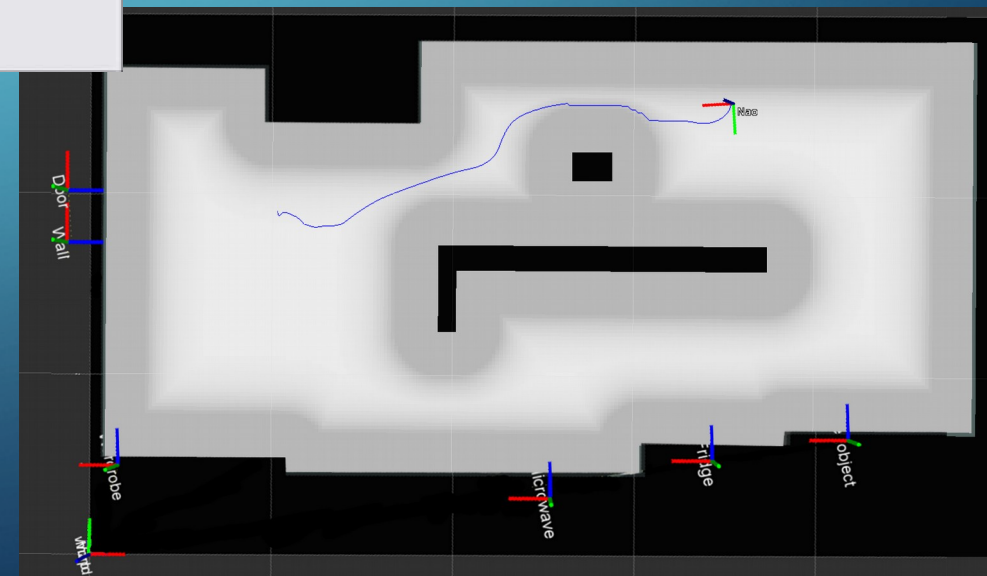
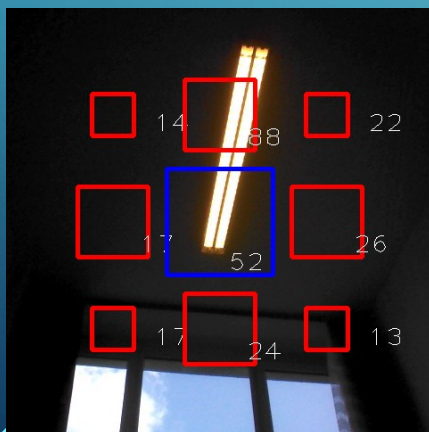
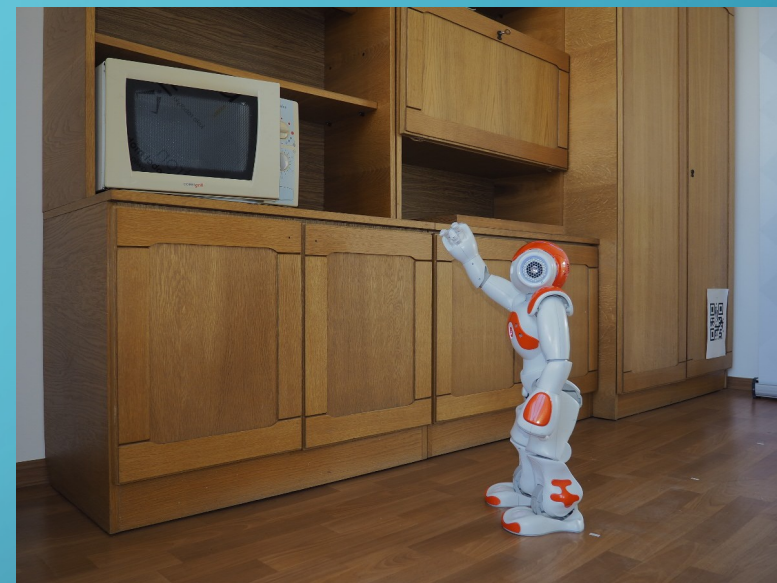
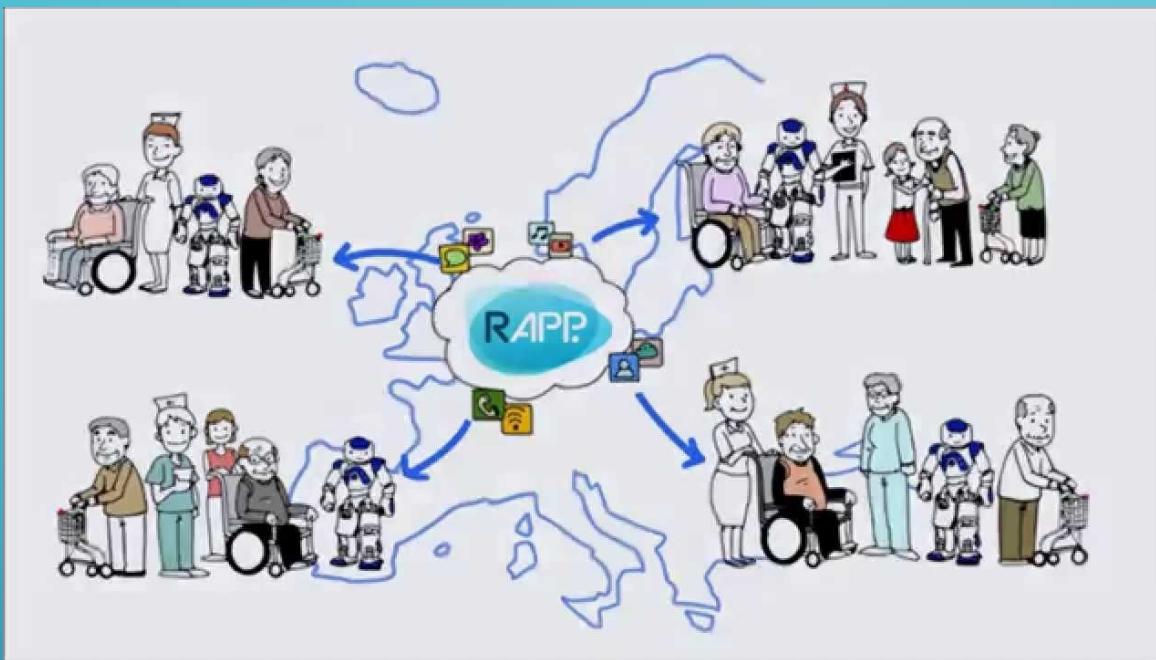
Rubic Cube



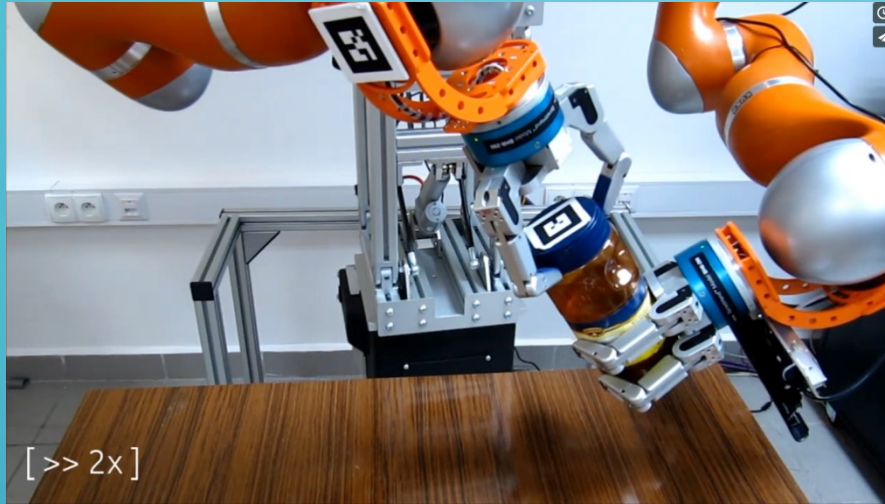
Robotic fixturing system (FP7: SwarmIt)



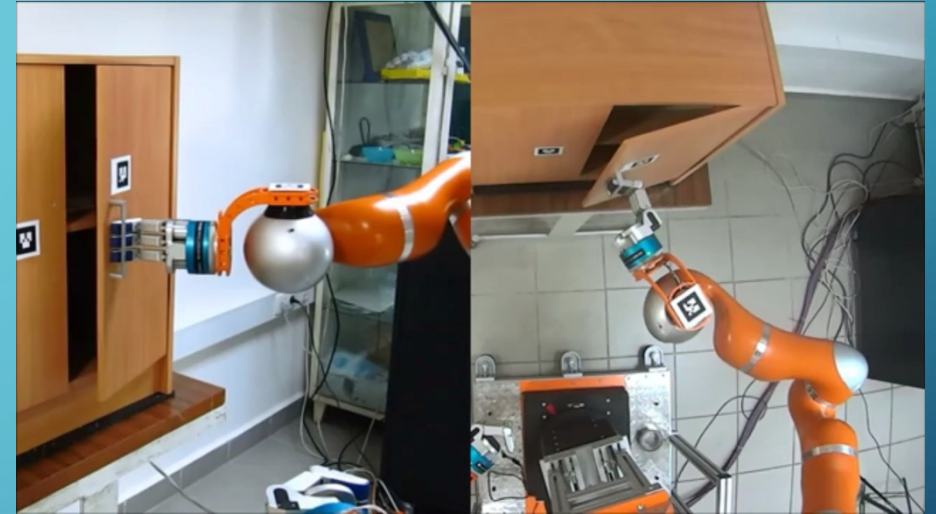
RAPP



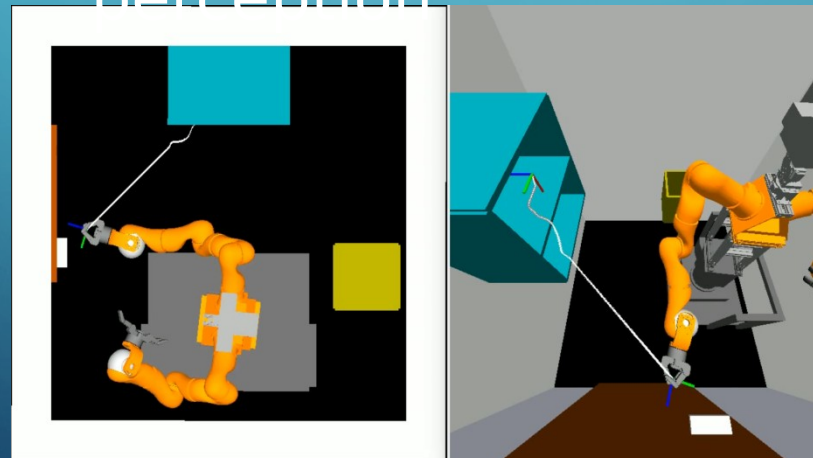
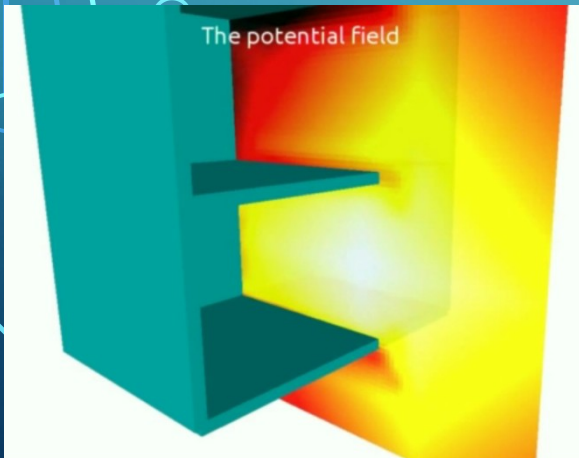
RobREx, MEDERO



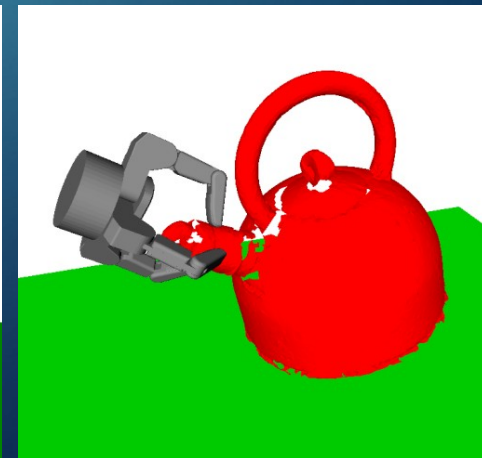
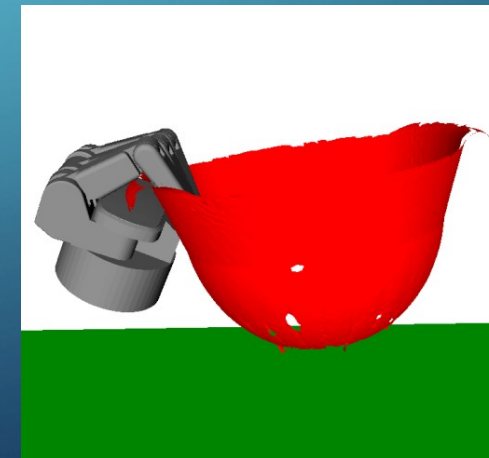
Two handed manipulation with perception



Door opening

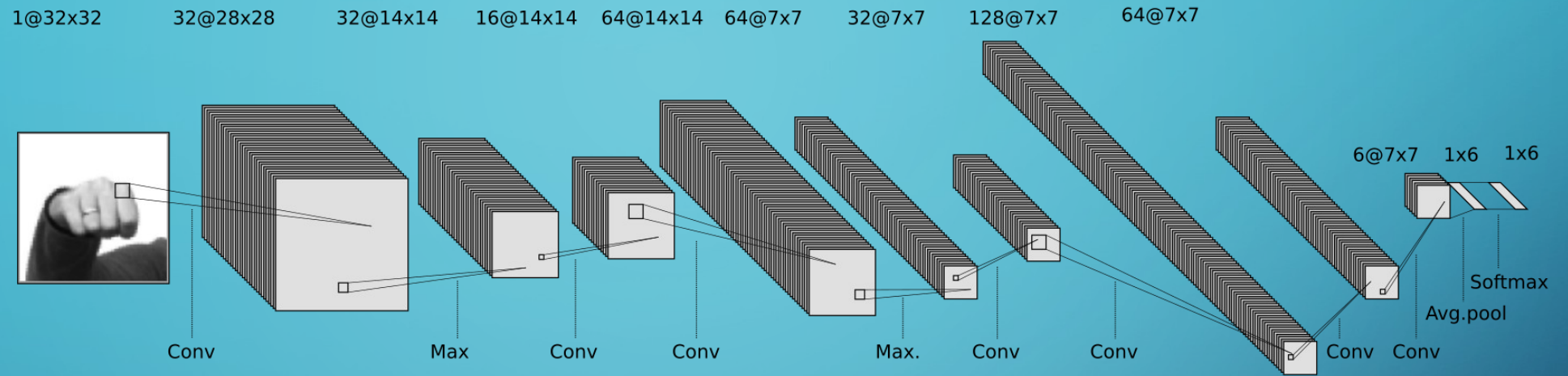


Trajectory planning



Grasp learning

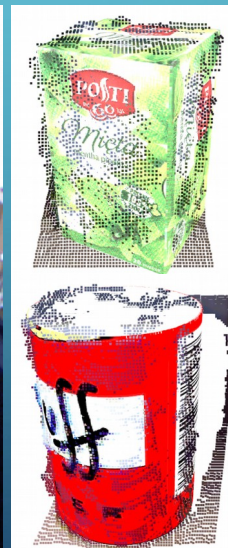
Vision in Robotics



Gesture recognition



Object detection



Hazard detection

Grasping

