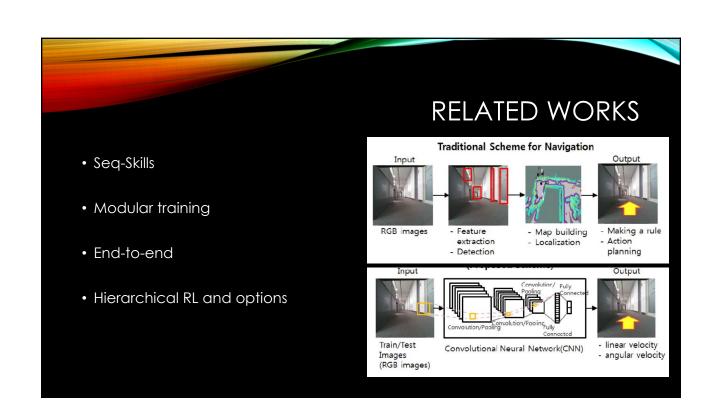


SUMMARY – PICK-AND-PLACE

- No Exact Location
- Receptacles (Approximate Locations)
- Episodic Coordinate System
 (x, y, θ)





Front Gripper Bounding Box Image Joint Angles Egomotion Sensor

SUMMARY - TRAINING Basic Skills Navigation Pick Place Skill Coordination Policy/Corrective Policy Probability (Learned Gating Network) Superset of Observations TAMP Simulations Reward Convolutional Neural Network, Multi-Layer Perceptron, GRU Layer, Gaussian

PESULTS Outperformed previous systems >90% accuracy in real world No privileged information Robustness to changes (a) Quantitative comparisons in Apartment, Lab, and simulation

EVALUATION Adaptation to new situations No privileged information Zero-shot deployment

REFERENCES • https://ai.meta.com/research/publications/adaptive-skill-coordination-for-robotic-mobile-manipulation/ • https://www.semanticscholar.org/paper/End-to-end-deep-learning-for-autonomous-navigation-Kim-Jang/15d06ada56c0431b9fd71041391325523ef5c203

