

Intelligent Robotics and Vision Lab

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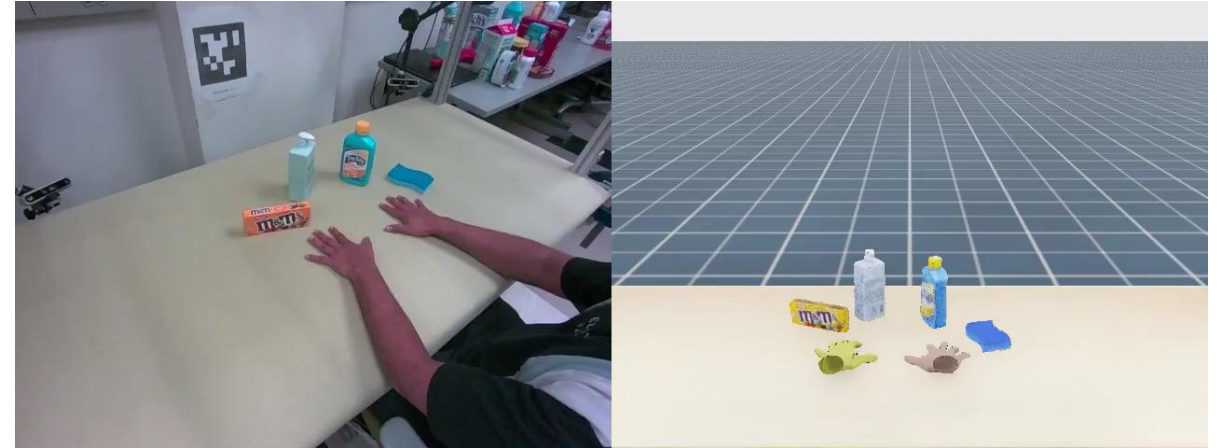
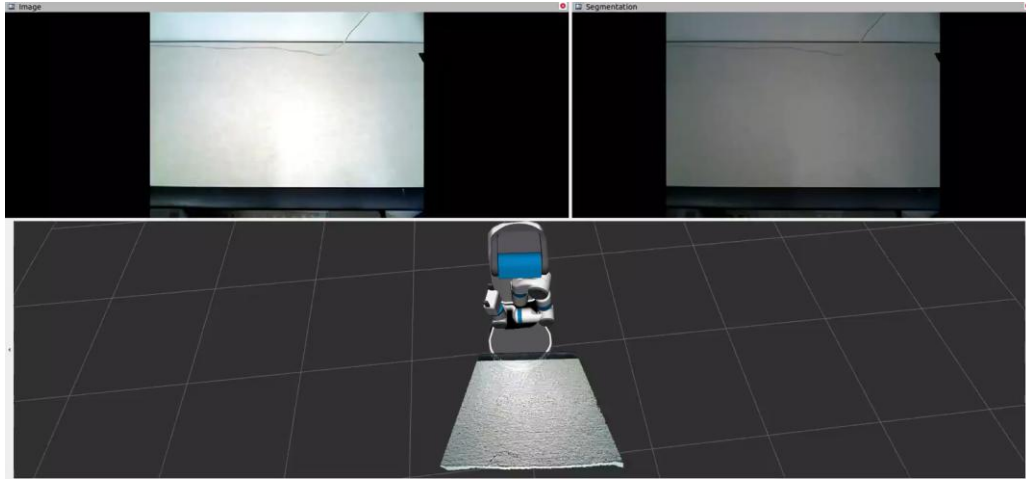
4/4/2025

RSS 2025 Area Chair Meeting

MIT

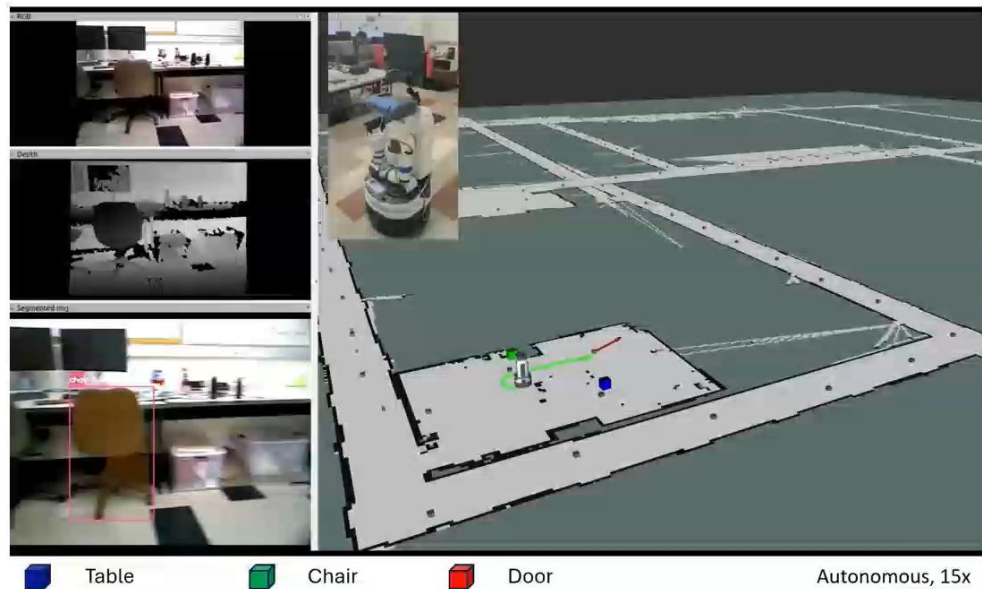


Robot Perception

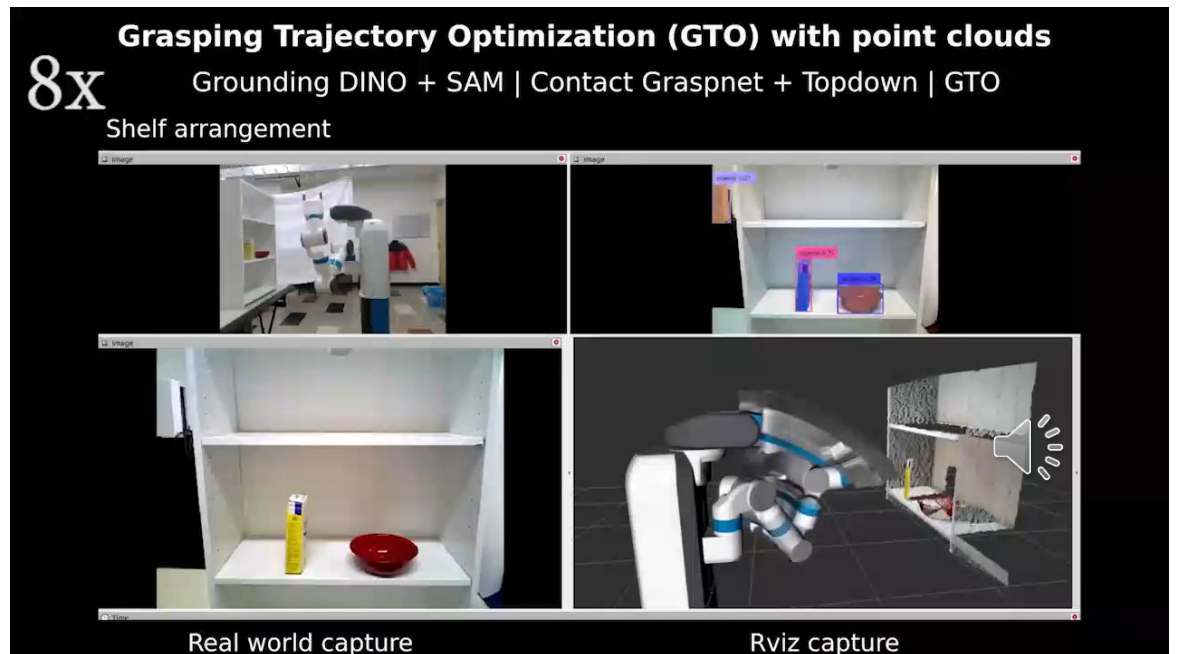


Robot Navigation

Realtime Semantic Map Construction



Robot Manipulation



Future: Learning Manipulation from Humans



Use Scrubber



Pour Tumbler



Use Salt Shaker



Press any key on keyboard



Use basting brush



An example task that we hope our robot can do



Intelligent Robotics and Vision Lab (IRVL)



<https://labs.utdallas.edu/irvl/>

Assisted by
Ms. Rhonda Walls

Thank you!