

# Intelligent Robotics and Vision Lab

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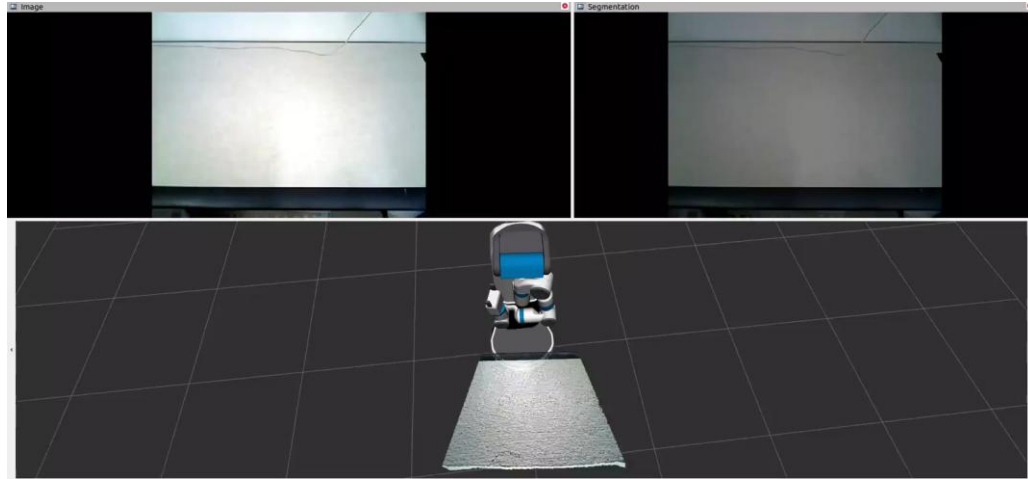
4/4/2025

RSS 2025 Area Chair Meeting

MIT

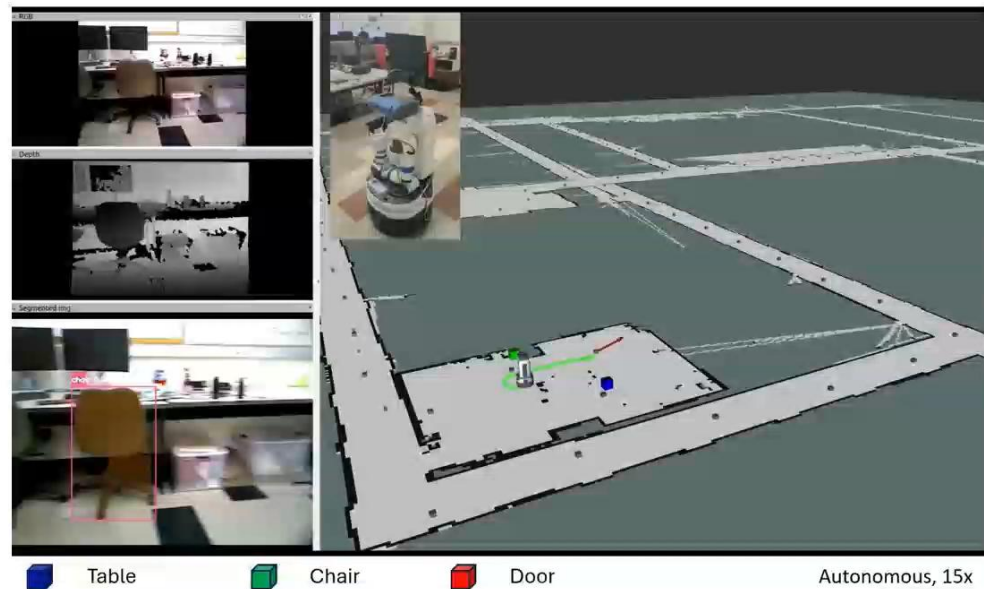


# Robot Perception

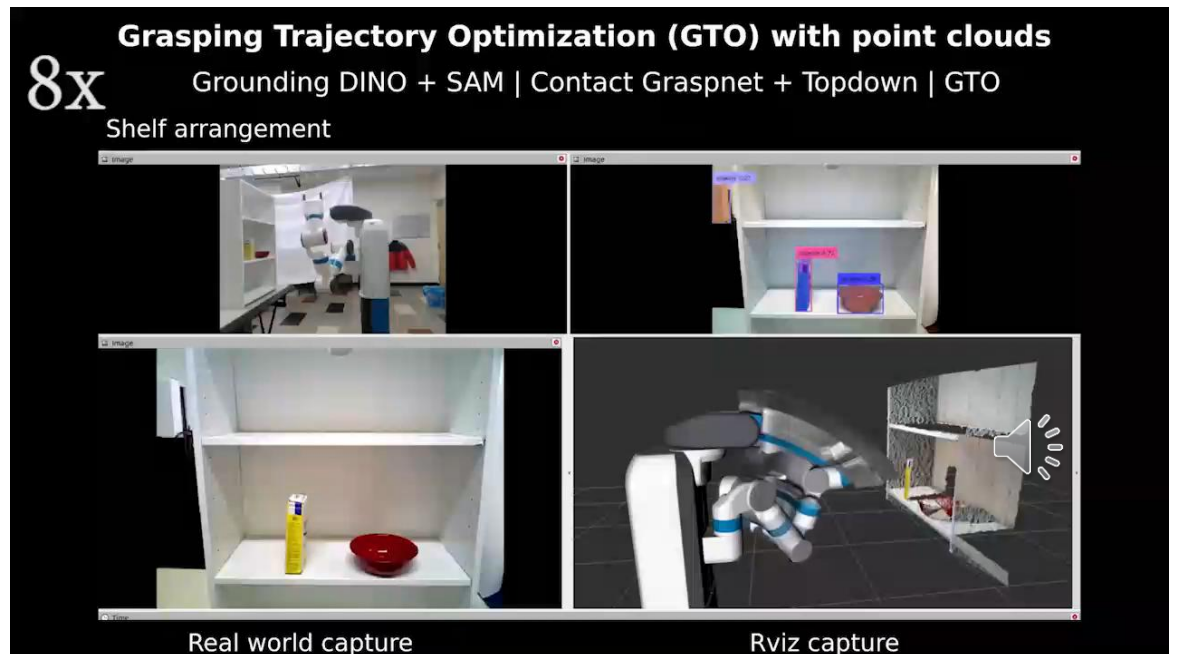


# Robot Navigation

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!