

Evaluating Robotic Grasping and Manipulation Performance and Generalizability

Brian Flynn
Robotics Engineer
University of Massachusetts - Lowell

This talk will review research efforts of the New England Robotics Validation and Experimentation (NERVE) Center at the University of Massachusetts Lowell for developing evaluation methodologies to measure the performance of robotic grasping and manipulation. We utilize an approach towards modularizing the problem space in both software and hardware, swapping out components to measure their impact. This methodology allows for streamlined experimentation into higher-level capabilities such as the generalizability of components (i.e., their robustness in the face of variation) and better enables reproducibility and replicability.



Brian Flynn is the Robotics Engineer at the New England Robotics Validation and Experimentation (NERVE) Center at the University of Massachusetts Lowell. He graduated from the Worcester Polytechnic Institute with a Bachelor of Science in Robotics Engineering. Brian's interests include the development and programming of robotic systems and their associated tools and infrastructure.

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Nov 17
10-11AM

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