



Key Development Points

Equipped with dual-bowl manipulators, our VR-controlled advanced rescue robot enables intuitive operation. Drones quickly generate detailed maps, accelerating data gathering and task execution, delivering overwhelming performance and precision in disaster zones.



Elite experts with crawler rescue robot experience unite. Leveraging their UI mastery to the fullest, they tackle practical field tasks to maximize operational efficiency and control, dramatically enhancing disaster response capabilities.

Optimize disaster operations with next-gen UI, maximizing control and adaptability to dramatically enhance field response, safety, and practical disaster support effectiveness.

K. Kanazawa, N. Sato and Y. Morita, "A Verification of a Teleoperation Interface for Rescue Robots using a Virtual Reality Controller with a Door-Opening Task," 2023 IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR), Naraha, Fukushima, Japan, 2023



Team Introduction

Role	Name	Affiliation/Position	Areas of expertise, research fields
Operator	Kazuya Munesato	Nagoya Institute of Technology Sato Laboratory, 4th year undergraduate student	Research on User Interface for Rescue Robots

Contact Information Nagoya Institute of Technology Sato Laboratory, Contact: Noritaka Sato

Websites, etc. <https://hi.web.nitech.ac.jp> <https://rrl-nitro.github.io/>