NITRo　(Japan)

Disaster Robotics Category
インフラ・災害対応カテゴリー

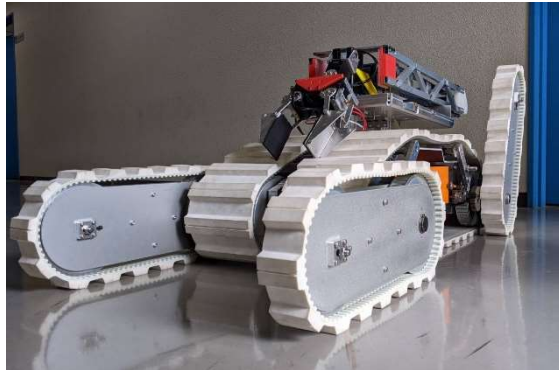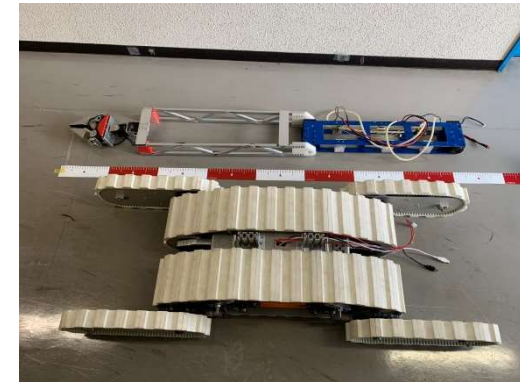## Development point

Our robot has two characteristics. The first is belts that cover the almost body. The robot can run over uneven courses easily with them. The second is a 1.2m robot arm. By using it, the robot can manipulate objects in the distance.

Introduction of your team

【Inspiration, motivation to form a team 】
Team NITRo was formed by students of Sato Laboratory, Nagoya Institute of Technology, with the aim of improving the skills of its members. Our aim is to acquire practical skills and gain experience by participating in competitions.
【Future outlook】
We are now developing a new robot, and we are especially focusing on the hardware. On the other hand, only the software for tasks are developed. Our next target is to develop some software to make the robot more practical.

Role	Name	Affiliation/Title	Specialty, Field of study
Team leader	Kyosuke Ushimaru	Nagoya Institute of Technology, Sato Laboratory, 2 year's master	Telexistence and haptic
Sub team leader	Akihiro Fukuda	Nagoya Institute of Technology, Sato Laboratory, 2 year's master	Autonomous driving
Software manager	Sota Sumikama	Nagoya Institute of Technology, Sato Laboratory, 1 year's master	Performance evaluation of camera for drones
Circuit manager	Kotaro Kanazawa	Nagoya Institute of Technology, Sato Laboratory, 1 year's bachelor	Telexistence and haptic
Adviser	Makoto Kitani	Kawasaki Heavy Industries	Controlling attitude of robots
Adviser	Mifu Totani	Toshiba Digital Solutions Corporation	Reinforcement learning

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