



## AWARDS

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### 1st Place at the ETH RobotX challenge

[Website](#)

The challenge consisted in a reconnaissance task of a destroyed urban area with an autonomous rover. The rover is supposed to map the area and identify potential dangers, such as fire or collapsing buildings, then return to the starting position without any intervention. Over the course of 4 days my team was able to successfully complete the task and win the challenge.

### Best Master Thesis Awards

[Link to Article](#)

The annual SGA award for Best Master's Thesis accounts for innovative early research projects with real implementation possibilities. The award for the 2024 year was assigned to my thesis on data-driven control for large scale traffic systems.

## EXTRACURRICULAR ACTIVITIES

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### ZurichAI Organization Team

[Website](#)

ZurichAI talks are a series of monthly presentations held at the ETH AI Center. Speakers come from top universities and industry research laboratories to discuss the latest developments in Robotics, Computer Vision and Natural Language Processing with a growing crowd of engineers and academics.

### RoboTalk, Youtube channel (Work-In-Progress)

The channel's goal is to make robotics and control research accessible to the larger audience. Educational videos cover the foundational concepts of robotics and control, in-depth explanations of the latest developments in the field and interviews with top researchers.

## PUBLICATIONS

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Rimoldi, Alessio et al. (2024). "Urban Traffic Congestion Control: A DeePC Change". en. In: *2024 European Control Conference (ECC)*. 22nd European Control Conference (ECC 2024); Conference Location: Stockholm, Sweden; Conference Date: June 25-28, 2024. Piscataway, NJ: IEEE, pp. 2909–2914. ISBN: 978-3-9071-4410-7. DOI: [10.23919/ecc64448.2024.10591003](https://doi.org/10.23919/ecc64448.2024.10591003).

## SKILLS

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Programming Languages	C++, C, Python, CUDA, Typescript, SQL, Perl, Bash
Libraries and Tools	ROS2, Pytorch, Docker, Git, Django, React
Languages	Italian (Mother tongue), English (C2), German (B1)