

# An Introduction to Simulink and Stateflow in Drone Simulation

Organizers: AEIT Liguria Sezione Giovani & MATLAB Student Ambassadors at the University of Genoa

## Abstract

The seminar “An Introduction to Simulink and Stateflow in Drone Simulation” aims at giving participants the chance to understand the workflow, regarding the behavior implementation and subsequent **simulation of real systems**, such as drones. Every day engineers constantly implement novel solutions to handle the functioning of complex systems in real-world scenario: the seminar will start highlighting the importance of this **engineering approach** on sophisticated systems, **from humanoid robots to drones**, and consequently it will focus on the technical definition of **state machines**, the development of a basic **path planning algorithm for drones** and the complete simulation of the final system in **Simulink and Stateflow**.

## About The Organizers

**Master of Ceremonies:** Giulio Birga, President of AEIT Liguria Sezione Giovani

**Speaker:** Matilde Antonj, PhD student in Bioengineering and Robotics & MATLAB Student Ambassador

**MATLAB Collaborator:** Luca Cirillo, Master’s Student in Engineering Technology for Strategy & MATLAB Student Ambassador

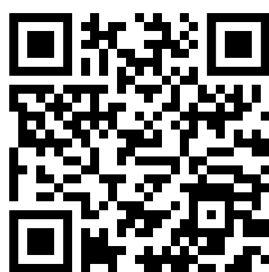
## About The Event

**Date & Time:** May 24<sup>th</sup>, 2024 at 4.30 p.m. – 6.30 p.m.

**Location:** room E4 at the Polytechnic School of Engineering (Via Opera Pia 13, Genova) & online

**Refreshment & Prizes:** during a networking aperitif, the best participants of the class will be rewarded with MATLAB gadgets.

**Don’t miss this opportunity & join the seminar:  
scan the QR code to subscribe!**



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