

## Alessandra Elisa Sindi Morando

### ABOUT ME

Interested in robotics, in particular control theory. Hard-working. New experiences are a way to learn and enrich both from a professional and personal point of view.

### CONTACT



## EXPERIENCE

### Internship at the Heudiasyc laboratory

Compiègne, France | Feb 2023 - Jul 2023

I've been selected among more than 7 students to work on the subject entitled "Cooperative navigation of aerial and ground robotic vehicles" for the duration of 6 months within the framework of an internship at the Heudiasyc laboratory followed by the SyRI team, especially by my supervisors Pedro Castillo-García and Alessandro Correa Victorino. This experience and the main results obtained have been the subject of my master's thesis.

## EDUCATION AND TRAINING

### Ph.D. degree: System Engineering | University of Genoa

Genoa, Italy | Nov 2023 - Nov 2026

This November I started my PhD course with research theme "Distributed and robust control techniques for system of systems: application to vehicle platoons, machine to machine interactions, machine to infrastructure interactions", supervised by professor Roberto Sacile.

### Ph.D. degree: Automation and Robotics | Université de Technologie de Compiègne (UTC - Sorbonne Universités, France)

Compiègne, France | Nov 2023 - Nov 2026

In the frame of my Ph.D. at the University of Genoa, a joint degree has been established between the two Universities. The aim is to investigate and validate in an experimental way distributed robust control techniques. During the periods in France, the work will be supervised by professor Pedro Castillo-García.

### Master's degree: Computer Engineering | University of Genoa

Genoa, Italy | Sept 2021 - Oct 2023

On date 18/10/2023, I defended my master's thesis "Vision-based UAV tracking and landing" graduating with a score of 110 and honours.

### Master's degree: Complex system engineering (ISC) | Université de Technologie de Compiègne (UTC - Sorbonne Universités, France)

Compiègne, France | Sept 2022 - Sept 2023

Thanks to the agreement signed by the University of Genoa and the University of Technology in Compiègne in 2015, I had the opportunity to join the common curriculum of studies "European master in Engineering for Complex and Interacting Systems" (EMECIS) which aims at training engineers to become specialists in the field of complex and interacting systems. Specifically, I

enrolled in the Master's degree in Complex system engineering with speciality Automation and Robotics in Intelligent Systems (ARS).

### **Bachelor's degree: Computer Engineering | University of Genoa**

Genoa, Italy | Sept 2017 – Mar 2021

On date 19/02/2021, I presented and discussed my thesis "Domain adaptation in data-driven fault detection and isolation system for solid oxide fuel cells" graduating with a score of 110 and honours.

## **LANGUAGE SKILLS**

**Mother tongue:** Italian

**English | B2 level**

Certificate issued by the University of Genoa in Feb 2020

**French | C1 level**

Certificate issued by the University of Genoa in Feb 2020

## **DIGITAL SKILLS**

**Programming**

C, C++, Java, Python

**MATLAB and Simulink**

MATLAB Onramp and MATLAB Simulink Onramp certificate issued by MathWorks in Jul 2021

## **DRIVING LICENSE**

**Driving license B**

## **SEMINARS**

**Summer School SysE21 | University of Genoa**

at the University Pole of Imperia, Imperia | Sept 2021

[syse2021.unige.it/it/](http://syse2021.unige.it/it/)

**Summer School SIDRA 2024**

at Bertinoro | July 2024

<https://sidra2024.dei.unibo.it/>

## **PUBLICATIONS**

Morando, A.E.S., Ferreira Santos, M., Castillo, P., & Correa Victorino, A.,(2024, June). *Vision-based algorithm for autonomous aerial landing*. International Conference On Unmanned Aircraft Systems (ICUAS), Chania, Crete, Greece.

## **AWARDS**

**Starting Research Grant | University of Genoa**

Genoa, Italy | Mar 2021 – Mar 2022

Research on the subject "Design and prototype development of software tools supporting logistics processes" for a period of 6 months won at the DELAB laboratory partnership with ENI on March 2022 and then renewed in Sept 2022 for another 6 months.

**Erasmus+ Scholarship**

of 11 months at the UTC, France | Sept 2022 – Jul 2023

Placed in second position in the ranking for the award of Erasmus+ grants of the University of Genoa to study purposes academic year 2022/2023, I won the Erasmus+ scholarship for the purpose of study lasting months 6 at UTC in France starting from September 2022. At the end of the first semester, the Erasmus+ Scholarship has been renewed for the final Master thesis.