



Maicol Laurenza

About me:

The candidate is currently a Post-Doc at Sapienza, University of Rome. The research interests include developing controls in the field of advanced mechatronics for autonomous vehicles, with a focus on autonomous cars and legged locomotion.

● EDUCATION AND TRAINING

01/11/2018 – 30/10/2021 – Rome, Italy

PHD IN THEORETICAL AND APPLIED MECHANICS – Sapienza, University of Rome

The focus of this PhD is the development of control strategies and dynamic models in the autonomous guidance field for different locomotion systems, such as autonomous cars and legged robots.

Address Rome, Italy

11/2015 – 26/10/2018 – Rome, Italy

MASTER DEGREE IN MECHANICAL ENGINEERING – Sapienza, University of Rome

- FEM analysis.
- Vehicle dynamics.
- Energy conversion machines.
- Mechanic and thermal measurements.
- Differential geometry.
- Economy.
- Matlab/Simulink.

Thesis: **Sviluppo di un sistema di guida autonoma su vettura di serie**

Address Rome, Italy

09/2010 – 11/2015 – Rome, Italy

BACHELOR DEGREE IN MECHANICAL ENGINEERING – Sapienza, University of Rome

- Calculus.
- Numerical algorithms.
- Design of mechanical components.
- CAD and technical drawing, AutoCAD SolidWorks.
- Thermodynamics.
- Energy systems.
- Kinematic analysis of mechanisms.
- Industrial installations.
- Chemistry.
- Physics.
- Matlab.
- Solid mechanics.
- Fluid dynamics.

Thesis: **Teoria di Prandtl per l'ala finita**

Address Rome, Italy

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

My Digital Skills

Microsoft Office | Latex Software | MS POWERPOINT | Adobe Illustrator

● DRIVING LICENCE

Driving Licence: A

Driving Licence: B

● HOBBIES AND INTERESTS

Other skills

I've always been a good listener and quick learner. I have a great interest in Japanese culture, especially regarding the world of animation and comics. In the free time, I like digital drawing but also do sports such as boxing and hiking.

● JOB-RELATED SKILLS

Job-related skills

- Matlab/Simulink and MSC Adams for system modeling
- CAD designer with SolidEdge, SolidWorks
- FEM analysis with Ansys
- Machine learning