



Alessio Piccolo

WORK EXPERIENCE

1 JAN 2022 – 31 DEC 2024 Rome, Italy

PHD CANDIDATE SAPIENZA - UNIVERSITÀ DI ROMA

Industrial PhD in partnership with **Leonardo Labs**. The main activities are:

- Numerical simulation of **high-speed aerodynamic** problems
- Development of 3D compressible Navier-Stokes solver for **unstructured mesh**
- Coding on **GPU** architectures
- **Digital Twins** and **Advanced Simulations**
- **High Performance Computing** (HPC)

Supervisor: **Sergio Pirozzoli**

1 SEP 2020 – 1 OCT 2021 Turin, Italy

AEROSTRUCTURES ENGINEER COMPOSITE RESEARCH

- **Research** and **development** activities
- Non-linear **Finite Element Analysis**
- **Composite material** prototyping

EDUCATION AND TRAINING

1 OCT 2018 – 1 APR 2021 Turin, Italy

MASTER'S DEGREE, AEROSPACE ENGINEERING Politecnico di Torino

Website <https://www.polito.it/>

1 SEP 2015 – 1 NOV 2018 Rome, Italy

BACHELOR'S DEGREE, AEROSPACE ENGINEERING Sapienza - Università di Roma

Website <https://www.uniroma1.it/it/pagina-strutturale/home>

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

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

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

DIGITAL SKILLS

programming (C, C++, Fortran, python, IDL, Matlab,) | CFD(Fluent and OpenFOAM) | Code Aster | Finite Element and Finite Volume Analysis Method | MSC PATRAN/NASTRAN

I declare that I read the privacy statement on the processing of my personal data and my rights within the meaning of the General Data Protection Regulation (EU Regulation 2016/679) and Legislative decree no.196 of 30th June 2003