

PERSONAL INFORMATION

Daniele Rossi



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Gender Male | Date of birth Feb 27 1996 | Nationality Italy

EDUCATION AND TRAINING

2021 – ongoing studies

Dottorato in Ingegneria Aeronautica e Spaziale

EQF level 8

Sapienza Università di Roma

Doctor of Philosophy (Ph.D.)

Main research interests: Computational Fluid Dynamics, Multiphase Flows.

2017 - 2021

Laurea Magistrale in Ingegneria Aeronautica

EQF level 7

Sapienza Università di Roma – Faculty of Civil and Industrial Engineering

2nd level-cycle degree/Master of Science (2 years)

Thesis title: Direct Numerical Simulation of non-circular jets

Final degree mark: **110/110 cum laude**

Graduation date: 25/10/2021

Principal subjects covered during the course:

- **Fluid dynamics:** Gas dynamics, Aircraft Aerodynamics and Design, Computational Fluid Dynamics, Aeroacoustics
- **Aeronautical Propulsion:** Design of Aircraft Engines, Environmental Impact of Aircraft Engines
- **Aerospace Structures:** Aeronautical constructions, Vibration and Noise control
- **Telecommunications:** Air Traffic Control

2014 - 2017

Laurea in Ingegneria Aerospaziale

EQF level 6

Sapienza Università di Roma – Faculty of Civil and Industrial Engineering

1st level-cycle degree/Bachelor (3 years)

Final degree mark: **110/110**

Graduation date: 14/12/2017

Pre-university studies

Secondary school diploma: Scientific High School

INNOCENZO XII, ANZIO (RM)

School-leaving examination mark: **100/100**

School-leaving examination taken in (year): 2014

Italian secondary school diploma

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|--|------------------|------------------|--------------------|-------------------|------------------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 - Independent | B2 - Independent | B2 - Independent | B2 - Independent | B2 - Independent |
| English: Cambridge English Qualification (Level B2 First) – University of Cambridge (UK), 2018 – European Level: B2 | | | | | |

Digital Competences

ECDL: AICA Digital Academy 2013

Computer skills

OFFICE AUTOMATION

Office suite: Microsoft Office, LibreOffice (Advanced) | **Spreadsheets:** Microsoft Excel (Advanced)

Word processors: Microsoft Word, LaTeX (Advanced)

APPLICATION SOFTWARE

CAD – Assisted Design: Solid Edge, Solid Works, OpenSCAD (Intermediate)

Dynamical Systems Design: Simulink (Intermediate)

COMPUTER PROGRAMMING

Programming Languages: MATLAB, Fortran, Wolfram Language (Intermediate)

ADDITIONAL COMPETENCES AND TRAINING

2017 - 2019

FORMULA SAE (student design competition organized by SAE international): Member of the 'mechanics and aerodynamics' department of Fast Charge, the Formula Student Electric team of Sapienza Università di Roma, that works on the design, building and testing of a prototype of a Formula-style electric race car, based on a series of rules, whose purpose is both ensuring on-track safety and promoting clever problem solving.

Used softwares: MATLAB, Solid Works (CAD – Assisted Design), Ansys Fluent (Fluid Simulation Software)

Driving licence B