



Alessandro Montanari

Nationality: Italian



Date of birth:

Gender: Male

Email address:

LinkedIn : Address: V

EDUCATION AND TRAINING

Master's Degree in Space and Astronautical Engineering

Sapienza University of Rome [09/2019 – 03/2022]

Address: Rome (Italy)

Final grade : 110/110 cum Laude – Level in EQF: EQF level 7

Thesis: Analysis of Combustion Instability in LOX/CH4 Liquid Rocket Engines by a Real-Fluid Low-Order Model

Bachelor's Degree in Aerospace Engineering

Sapienza University of Rome [09/2016 – 12/2019]

Address: Rome (Italy)

Final grade : 110/110 cum Laude – Level in EQF: EQF level 6

Thesis: Numerical Simulation of Ground Effect

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Spanish

LISTENING A2 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A2

DIGITAL SKILLS

Programming languages

Fortran / MATLAB

Operating systems

Windows / Linux

Software

Microsoft Office / LaTeX / Simulink / Ansys Fluent / Tecplot / Solid Edge

PROJECTS

L.O.S.T. - Lunar Orbiting Satellites for Telecommunications

[03/2020 – 06/2020]

Space mission concept developed as a group assignment during the Master's studies. It consists in a three satellites lunar constellation for TLC purposes, whose design has interested the subsystems of the spacecrafts, as well as the stakeholders, clients and costs analyses.

Sapienza Rocketry Challenge

[03/2019 – 06/2019]

Rocketry competition organized by Sapienza University of Rome in collaboration with Avio. The final goal is the realization of a mini-rocket, whose development is accompanied by detailed documentation (Preliminary Design Review/Critical Design Review/Post-Flight Analysis).

HONOURS AND AWARDS

Meritorious student

Sapienza University of Rome

Exemption from tuition fees achieved during both Bachelor's and Master's studies by virtue of marks always above 27/30.