

Valerio PAMPANONI

WORK EXPERIENCE

- APR-OCT 2018 | Thesis Internship at CENTRO RICERCHE ENEA CASACCIA, Rome
Set-Up and Calibration of the "F-RAD" UV Filter-Radiometer
After re-adapting and re-configuring the *F-RAD* UV Filter-Radiometer to acquire measurements in temperate climates, I performed a calibration using a *Spectral Irradiance* procedure, which involved the use of certified calibrator lamps and simulation data, which I obtained using TUV, an UV-specialized radiative transfer software. Finally, I acquired measurements for about a month and validated them using model and satellite data.

EDUCATION

- OCTOBER 2018 | Master's Degree in Space and Astronautics Engineering
Sapienza University, Rome 110/110 *cum laude*
Thesis: "Application of UV Radiometry and Remote Sensing Techniques to the Measurement of Ozone in the Martian Atmosphere" Advisor: Prof. Christian CIRCI
- MARCH 2015 | Bachelor's Degree in Aerospace Engineering
Sapienza University, Rome, 110/110
Thesis: "1U Cubesat Manufacturing & Testing with Magnetic Attitude Control" | Advisor: Prof. Paolo TEOFILATTO
- JULY 2011 | Liceo Scientifico "L. Spallanzani", Tivoli (Rome) | Final Grade: 100/100

SCHOLARSHIPS AND CERTIFICATES

- OCT. 2018 | AGI STK | 1st Level Certification
APR. 2018 | Python Programming: A Concise Introduction | License: K7YC9L6QWMG4
SEPT. 2010/2011 | Assegno borsa di studio per merito A.S. 2010-2011, scuole secondarie II grado (€400)

LANGUAGES

- ITALIAN: Mother tongue
ENGLISH: Fluent
FRENCH: Basic

COMPUTER SKILLS

- Basic Knowledge: ADINA STRUCTURES, LINUX OS, LATEX
MARS CLIMATE DATABASE, SIMULINK, SPENVIS
TUV
- Intermediate Knowledge: AGI STK, Microsoft Word

PROGRAMMING SKILLS

- Basic Knowledge: C, FORTRAN, PYTHON
- Intermediate Knowledge: MATLAB

Master's Degree in Space and Astronautics Engineering

Grades

EXAM	GRADE	CREDIT HRS
Spaceflight Mechanics	28	9
Space Missions and Systems	30	9
Control Systems	26	9
Electronics	28	6
Space Structures	26	9
Space Propulsion	30	9
Technology of Aerospace Materials	28	6
Spacecraft Design	30	6
Electronics of Space Systems	29	6
Smart Composite Structures	30	6
Astronautic Propulsion	27	6
Space Guidance and Navigation Systems	29	6
Gas Dynamics	27	9
Other Training Activities		1
Final Thesis		23
	Total	120
	GPA	28.22
