

PERSONAL INFORMATION

Spadaccia Stefano



Resident in Via dell'Unità 17, San Giuliano Terme 56017 (PI), Italy

Domicile in Via Fabio Severo 47, Trieste 34127 (TS), Italy

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Date of birth 10/01/1994 | Nationality Italy

EDUCATION AND TRAINING

May-September 2018

International Trainee at **European Space and Research Technology Centre (ESTEC)** in collaboration with the European Space Agency (**ESA**) to work on the master thesis project **PicoAgri**, developed by University of Trieste in collaboration with Astronomical Observatory of Trieste.

2016 - 2018

Winner of the admission competition to the **University College of Excellence "Luciano Fonda"** and of the relative scholarship

September 2016 – ongoing

Enrollment and beginning of the Master in **Astrophysics and Cosmology** at the University of Trieste (Italy)

August 2016

Participation to the **International Summer School of Plasmas** organised by the Laboratory of Excellence Plas@par, Banyuls (Languedoc-Roussillon, France)
Title: "From the laboratory to the distant universe, the World of Plasmas"

2013 - 2016

University of Pisa, Physics Department

(Largo Bruno Pontecorvo, Pisa, Italy)

Date of bachelor: 07/26/2016

Thesis subject: "Hanbury Brown and Twiss interferometry: measurement of stellar angular diameter"

Bachelor degree: 107/110

2009 - 2013

Scientific Lyceum "Filippo Buonarroti", Experimental course

(Largo Concetto Marchesi, Pisa, Italy)

Diploma grade: 100/100

PERSONAL SKILLS

Native language

Italian

Other languages

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Conversation	Oral production	
English	excellent	excellent	good	good	excellent
B1 Language Certificate					

University instruction

- In-depth experience in Cubesats and small satellites design mission. Study of remote sensing techniques and imaging for Earth observation. Knowledge of Optical Analysis and Design process for small satellite telescopes.
- Excellent instruction in Astrophysics, Astronomy, Cosmology, Stars and Galaxies Evolution, Planetology and Exobiology, Space Weather, Astronomic Observation Techniques and Laboratory of Space mission design
- Excellent preparation in Fundamental and Classical Physics, Quantum Mechanics, Mathematical Physics, Condensed Matter Physics, High-energy Physics
- Experience in Optics field: introduction to use of the Zemax software, ray tracing algorithms. Study of lenses and optics units
- Experience in Acoustics field: European regulations of acoustic sources, techniques and instrumentation for acoustic measurements. Verification of the acoustic requirements of scholastic rooms and measure of traffic noise on site

Generic skills

- Good communication skills assimilated during my experiences abroad
- Good computer skills: Python (Scipy, Matplotlib, Numpy) and C, Microsoft Office packages. Some knowledge of C++ and Arduino.
- Knowledge of digital processing programs, assimilated during my experience as amateur photographer
- Good ability to work in a group assimilated during Physics Laboratories and competitive sport activity (Field Hockey)

WORK EXPERIENCES

Private lessons of Physics, Math and Chemistry

OTHER INFORMATION

Hobbies Excellent artistic skills (painting, drawing) and musical skills (piano)

Driver's license Yes