



# Paolo Cappuccio

✉ Email address: [paolo.cappuccio@uniroma1.it](mailto:paolo.cappuccio@uniroma1.it)

## WORK EXPERIENCE

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[ 15 Mar 2017 – 15 Jun 2017 ] **Trainee**

*European Space and Technology Center (ESTEC)*

**Address:** Noordwijk, Netherlands

[ 1 Dec 2020 – Current ] **University research associate**

*Sapienza University of Rome*

**City:** Rome

**Country:** Italy

## EDUCATION AND TRAINING

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[ 24 Mar 2019 – 30 Mar 2019 ] **Caltech Space Challenge 2019**

*Caltech*

**Address:** Pasadena, United States

**Level in EQF:** EQF level 8

**Main subject / occupational skills covered:**

Design of space mission devoted to the exploration of Encelado.

[ 1 Mar 2018 – Current ] **Assistant of Prof. Luciano Iess in the Bachelor's degree course of Space Environment and Master's degree course of Space Systems and Missions**

*Sapienza university of Rome*

**Address:** Rome, Italy

**Level in EQF:** EQF level 8

[ 28 Jun 2018 – 28 Jun 2018 ] **Invited Talk: "ESA's JUICE End-to-End Orbit Determination Simulation to Calibrate On-Board Accelerometer"**

*Sapienza university of Rome*

**Address:** Rome, Italy

[ 10 Jun 2018 – 10 Jun 2018 ] **Invited Guest to Radio Rock: "Curiosity discovery of a suitable environment for life on Mars and Italian involvement in space research"**

*Radio Rock*

**Address:** Rome, Italy

[ 20 Apr 2018 – 20 Apr 2018 ] **Second prize at the 14th PEGASUS Student conference**

*PEGASUS*

**Address:** Madrid, Spain

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

Prize for the second best thesis in the Aerospace field of the year 2017.

[ 1 Nov 2017 – 25 Feb 2021 ] **PhD in Aeronautical and Space Engineering**

*Sapienza university of Rome*

**Address:** Rome, Italy

**Level in EQF:** EQF level 8

**Main subject / occupational skills covered:**

Research focusing on the orbit determination process of the MORE experiment of the ESA's BepiColombo mission and of the 3GM experiment of the ESA's JUICE spacecraft.

co-funded by European Space Agency (ESA) in the context of ESA's Networking/Partnering Initiative (NPI).

[ 16 Apr 2018 – 16 Apr 2018 ] **Excellent graduate**

*Sapienza university of Rome*

**Address:** Rome, Italy

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

Prize awarded to the best graduate students of the university.

[ 1 Mar 2016 – 31 Oct 2017 ] **Excellent pathway in Space and Astronautical Engineering**

*Sapienza university of Rome*

**Address:** Rome, Italy

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

Special program of study for the best students of the faculty.

[ 1 Oct 2015 – 31 Oct 2017 ] **Master's degree in Space and Astronautical Engineering**

*Sapienza university of Rome*

**Address:** Rome, Italy

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

110/110 with honors

[ 22 Jul 2017 – 30 Sep 2017 ] **Visiting scholar**

*University of Colorado*

**Address:** Boulder, United States

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

I developed and implemented, in the Basilisk software, a fully-coupled spherical pendulum model to simulate spacecraft propellant slosh. I was hosted in the lab of Prof. Hanspeter Schaub thanks to the ASI-CAIF grant.

[ 1 Oct 2012 – 3 Nov 2015 ] **Bachelor's degree in Aerospace Engineering**

*Sapienza university of Rome*

**Address:** Rome, Italy

**Level in EQF:** EQF level 6

**Main subject / occupational skills covered:**

110/110 with honors

[ 1 Mar 2013 – 3 Nov 2015 ] **Excellent pathway in Aerospace Engineering**

**Sapienza university of Rome**

**Address:** Rome, Italy

**Level in EQF:** EQF level 6

**Main subject / occupational skills covered:**

Special program of study for the best students of the faculty.

[ 24 Jul 2015 – 20 Aug 2015 ] **CVA summer school**

**CVA**

**Address:** Bremen, Germany

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

I had lectures about the European launchers family and the possibility of having re-usable launchers. Furthermore, together with other students, I developed the design of a horizontal take-off and landing vehicle.

Co-funded by CVA and Sapienza university of Rome.

[ 12 Jul 2015 – 23 Jul 2015 ] **Summer school Alpbach 2015**

**FFG, ESA, ISSI and AUSTROSPACE**

**Address:** Alpbach, Austria

**Level in EQF:** EQF level 7

**Main subject / occupational skills covered:**

I had some lecture about mission design and quantum physics. Intense ten days of mission design leading to this work: [report](#), [presentation](#), which was selected for post-Alpbach.

Funded by ASI.

## LANGUAGE SKILLS

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**Mother tongue(s):** Italian

**Other language(s):**

**English**

**LISTENING C1 READING C2 WRITING C2**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

## JOB-RELATED SKILLS

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**Job-related skills**

Good ability in working in team

Good skills in leading and motivate a group to achieve a common goal