



## Michael Plumaris

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**Date of birth:** 15/09/1998 | **Nationality:** Italian, Greek | **Phone number:**

(+39) 3517109142 (Mobile) | **Email address:** [m.k.plumaris@icloud.com](mailto:m.k.plumaris@icloud.com) | **LinkedIn:**

<https://www.linkedin.com/in/michael-plumaris-3b30a6185/> |

**Address:** Via Lorenzo Bonincontri 79, 00147, Rome, Italy (Home)

### About me:

Highly achievement-oriented engineer with international background pursuing a PhD in Aerospace Engineering, with an emphasis on time-frequency transfer techniques for space navigation. Confident in leadership situations due to experience gained as president of large student body; mastering English, French, Italian and Greek.

## ● WORK EXPERIENCE

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10/2020 – 02/2021 Noordwijk, Netherlands

**INTERNSHIP AT FUTURE MISSIONS & INSTRUMENT DIVISION** ESA/ESTEC

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Investigated gradiometers and gravimeters based on Cold-Atom Interferometry

06/2020 – 11/2020

**INTERNSHIP AT SENTINEL-3 FLIGHT OPERATIONS DIVISION** EUMETSAT

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*Extended multi-mission analysis and reporting software tools, geared towards automation and visualisation of spacecraft data*

08/2015 – 07/2016

**PRESIDENT OF STUDENT COMMITTEE** EUROPEAN SCHOOL OF BRUSSELS II

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*Chaired councils, managed budget, coordinated 1000+ students body*

## ● EDUCATION AND TRAINING

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01/2022 – CURRENT

**PHD AT RADIO SCIENCE LABORATORY** Sapienza University of Rome

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**Thesis** Time-Frequency Transfer and Orbit Determination for Deep Space Applications

08/2019 – 10/2021

**MSC IN SPACE EXPLORATION (CUM LAUDE)** Delft University of Technology

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08/2016 – 07/2019

**BSC IN AEROSPACE ENGINEERING (CUM LAUDE)** Delft University of Technology

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## ● LANGUAGE SKILLS

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Mother tongue(s): **ITALIAN** | **GREEK** | **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **DIGITAL SKILLS**

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### Generic

Unix Linux | C++ | Microsoft Office | Python | Matlab | LaTeX

### Technical

CATIA CAD | TU Delft Astrodynamics Toolbox (Tudat) | PyGMO | JPL MONTE Navigation Toolkit

## ● **ADDITIONAL INFORMATION**

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### **PUBLICATIONS**

Plumaris, M.; Dirx, D.; Siemes, C.; Carraz, O. Cold Atom Interferometry for Enhancing the Radio Science Gravity Experiment: A Phobos Case Study. *Remote Sens.* 2022 <https://doi.org/10.3390/rs14133030>

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Plumaris, M; De Marchi, F; Cascioli, G. Iess, L.; Testing theories of gravitation with the Interstellar Probe Radio Experiment: A White Paper submitted to the NASA Heliophysics Vision 2050 Workshop

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Di Benedetto et al.; An architecture for a lunar navigation system: orbit determination and time synchronization; 8th International Colloquium on Scientific and Fundamental Aspects of GNSS, September 2022 in Sofia, Bulgaria

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Dirx et al. : The open-source astrodynamics Tudatpy software. Overview for planetary mission design and science analysis, Europlanet Science Congress 2022, Granada, Spain, Sep 2022, EPSC2022-253, <https://doi.org/10.5194/epsc2022-253>, 2022.

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Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali"

Roma, 7/2/2023