



ALMA MATER STUDIORUM | DEPARTMENT  
UNIVERSITÀ DI BOLOGNA | OF INDUSTRIAL ENGINEERING

## Call for PhD student candidates – Alma Mater Studiorum – Università di Bologna

We are looking for outstanding PhD candidates in the context of the ERC STARGATE project, kicking off this winter

<https://cordis.europa.eu/project/id/101169959>

The PhD will begin on November 2026. However, it is possible to have a temporary contract to start earlier and fill the time gap in between (the earliest date is March 2026).

The work will focus on the development of stochastic guidance schemes for different scenarios including entry, descent and landing, ascent, rendezvous and docking. The job will be at the Forlì Campus of the University of Bologna, with a secondment of 6 months abroad during the second or third year of PhD.

A general knowledge of Guidance, Navigation and Control concepts is required. Any knowledge of the topics below is an asset

- Optimal Control Theory
- Trajectory Optimization
- Numerical Optimization, (and in particular First-Order / Second-Order Methods)
- Uncertainty Quantification / Uncertainty Propagation
- Ascent, Entry, Descent, and Landing Guidance and Control Systems
- Rendezvous and Proximity Operations Guidance and Control
- Asteroid Landing

If you are interested get in touch with me at [marco.sagliano@unibo.it](mailto:marco.sagliano@unibo.it), and send me

- a CV
- a letter of motivation
- any publication of yours (if any)
- link to public repos of works you did (if any)

Dr. Marco Sagliano  
Professor of Space Systems  
Alma Mater Studiorum – Università di Bologna

**DEPARTMENT OF INDUSTRIAL ENGINEERING – FORLÌ CAMPUS**

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