



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

Call for PostDoctoral student candidates – Alma Mater Studiorum – Università di Bologna

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

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

The Postdoctoral position will be for 2 years, and can be extended for 2.5 further years. The job will be at the Forlì Campus of the University of Bologna, and the earliest starting date is June 2026.

The focus of the position will be on prototyping and bringing on hardware advanced stochastic guidance and control methods, blending theory and computational methods, leading to the development of a new Processor-in-the-loop / Hardware-in-the-loop facility.

The ideal candidate has previously worked on one or more of the topics below

- Optimal Control Theory
- Trajectory Optimization
- Numerical Optimization, (and in particular First-Order / Second-Order Methods)
- Parallel Linear Algebra
- GPU Programming
- Measurement Calibration
- Embedded Programming
- Integration of Sensors and/or Actuators
- Communication Protocols

Duties include

- Lead design of experiments
- Assemble and test processing units, sensors and actuators
- Calibrate measurements
- Setup communication protocols
- Validate the modeling for MIL/PIL/HIL
- Support embedded programming

If you are interested get in touch with me at 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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