

PERSONAL INFORMATION

Riccardo Lasagni Manghi

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- ORCID: <https://orcid.org/0000-0002-5733-2554>
- Google Scholar profile: <https://scholar.google.com/citations?hl=it&user=oH9ZhJwAAAAJ>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57200754980>

WORK EXPERIENCE

2023-now

Assistant Professor

Alma Mater Studiorum – Università di Bologna
Department of Industrial Engineering - Forlì

2021-2023

Postdoc Researcher

Alma Mater Studiorum – Università di Bologna
Department of Industrial Engineering - Forlì

- Covariance analyses for the expected performances of the Hera Radioscience Experiment
- Data analysis for the Near Earth Object Modelling and Payloads for Protection (NEO-MAPP) project

2021-2023

Visiting Researcher

European Space Operations Center
Flight Dynamics and Operations Team (OPS-GS)

- Collaboration with OPS-GS for the design of an orbit determination filter for HERA
- Sensitivity analysis of the dynamical modeling in a binary asteroid system

2017-2018

Research Fellow

Alma Mater Studiorum – Università di Bologna
Department of Industrial Engineering - Forlì

- Data analysis and system engineering for the development of a Tropospheric Delay Calibration System (TDCS) for accurate ranging of ESA space missions
- Testbed and characterization of the TDCS performance through orbit determination of GAIA and BepiColombo probes

WORK ACTIVITIES

**Main projects
(last 10 years)**

Space Missions Participation, Data Analysis, and Science Definition Teams:

- 2023-now: Core Member of the Lunar Environment and Engineering Science Working Group for ESA's LUMIO
- 2021-now: Core Member of the Dynamics Working Group for ESA's HERA
- 2021-now: Member of the ISSI Team "*Understanding the Activity of Comets Through 67P's Dynamics*"
- 2021-2023: member of the Horizon 2020 NEO-MAPP project;
- 2017-2022: member of the industrial consortium for ESA contract "*Development of a Ground Tropospheric Media Calibration System for Accurate Ranging of Space Missions*"
- Contributed to developing several mission proposals towards small bodies, including DustCube, Proteus, and Heavy-Metal.

Memberships

Member of the American Institute of Aeronautics and Astronautics (AIAA) and European Geosciences Union (EGU).

ADDITIONAL INFORMATION

Publications

Total number of publications in peer-reviewed journals: 15

Total number of citations: 98+

H index (Scopus): 7

Total number of publications in journals belonging to the first Scopus quartile: 3

The full list of publications is available at: <https://www.unibo.it/sitoweb/riccardo.lasagni/pubblicazioni>