



University of Brescia, Italy

A world of opportunities

www.unibs.it



**Martinengo Palace
Rectorate (XVII century)**



KEY FIGURES

- 16'800** students
- 650** academic staff
- 28** undergraduate programmes
- 5** single-cycle programmes
- 21** postgraduate programmes
- 44** schools of specialisation
- 12** PhD programmes
- 6** areas
- 8** departments

AREAS

- Economics
- Engineering
- Law
- Medicine
- Pharmacy
- Sustainable Agricultural System

DEPARTMENTS

- Economics and Management
- Civil, Environmental, Architectural Engineering and Mathematics
- Mechanical and Industrial Engineering
- Information Engineering
- Law
- Molecular and Translational Medicine
- Clinical and Experimental Sciences
- Medical and Surgical Specialties, Radiological Sciences and Public Health

Unibs video

Brescia

- 200,000 inhabitants in Town, 1,100,000 in Province
- 40% of the manufacturing capabilities of Milan with 10% population
- Lombardy: Top 3 GDP regions in Europe with London and Paris
- Unique economy: 100,000+ enterprises
- Ongoing radical change in its economy moving toward smart and sustainable manufacturing
- Young University (founded in 1982) fostering



Top reason to choose UNIBS

- **One of the best University under 50 in Italy** and in the world according to The Times Higher Education World University Ranking 2023
- **World class research groups:** University of Brescia is among the best Universities in Italy and in the world for the **high number of citations** received by its published works and for its research intensity
- The **first public University in Italy in terms of employability** of its graduates
- **Highly skilled supporting staff** (VISA, mobility arrangements, health insurance, accommodation, managing of your research project)
- **High quality of life**



How to apply with UNIBS

- By clicking on <https://expertise.unibs.it/> you can browse the research groups at our University you might like to work and apply for your MSCA Postdoctoral Fellowship call with!
- Send your [CV](#), an [abstract](#) of your project and the indication of the researcher you would like to be your [supervisor](#) to ricerca.internazionale@unibs.it
- Deadline: **15th July 2023**



Contacts

Research and Innovation Office

International Research and Cooperation Unit

E-mail:

ricerca.internazionale@unibs.it



Thank you for your attention!



MARIE SKŁODOWSKA-CURIE ACTIONS Postdoctoral Fellowships 2023

Sara Rollino

Politecnico di Torino



**Politecnico
di Torino**

POLITO, a technical University

2023 QS WORLD UNIVERSITY RANKING

#33 Engineering and Technology

#28 Architecture

11 Departments (Engineering and Architecture)

13 Interdepartmental centers

12 Open Access Research infrastructures

1 Competence Industry Manufacturing 4.0

1 Energy Center

36.900 students (20% international)

1500 professors and researchers

395 Eu & International projects funded (2014-2021)

➤ **POLITO at a glance**





11 Departments



DENERG _ Department of Energy "Galileo Ferraris"

DIMEAS _ Department of Mechanical and Aerospace Engineering

DISAT _ Department of Applied Science and Technology

**Industrial Engineering
Area**

**Information Technologies
Area**



DAUIN _ Department of Control and Computer Engineering

DET _ Department of Electronics and Telecommunications

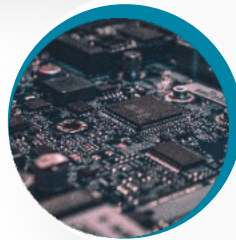


DIGEP _ Department of Management and Production Engineering

DISMA _ Department of Math, Sciences "Giuseppe Luigi Lagrange"

**Engineering and Management
and Mathematics for Engineering
Area**

**Civil and Environmental Engineering,
Architecture, Urban Planning & Design
Area**



DAD _ Department of Architecture and Design

DIATI _ Department of Structural, Geotechnical and Building Engineering

DISEG _ Department of Structural, Geotechnical and Building Engineering

DIST _ Interuniversity Department of Regional and Urban Studies and Planning

MSCA@PoliT0: 28 Postdoctoral Fellowships

MSCA funding	Horizon 2020 2014-2020 (7 years)	Horizon Europe 2021-2022 (2 years- ongoing)	Total
Global Fellowships	6	3	9
European Fellowships	13	6	19
Budget	3,7 M€	1,8M€	5,5M€
Seal of Excellence	18	15	33

MSCA @PoliTO

MSCA Candidates attraction

Marie Skłodowska-Curie Actions (MSCA) POSTDOCTORAL FELLOWSHIPS

(MSCA-PF-2023)

Are you a
Postdoctoral
Researcher
willing to:

- Experience other research environments?
- Improve your scientific career?
- Diversify your research?



Apply @PoliTO for a MSCA Postdoctoral Fellowship!

You
will:

- Widen your career prospects and international network
- Acquire new knowledge and skills
- Empower your CV through the exchange of knowledge with high level experts
- Get a full time research position
- 100% funding of your project



European Fellowships:
12/24 months for researchers coming to PoliTO.
Global Fellowships:
24/36 months for researchers moving outside
Europe (1 mandatory year of return to PoliTO).



At PoliTO you will experience a positive
environment acknowledged by the
"HR Excellence in Research" label and an
International scientific community with 38.700
students, 20% from abroad

www.polito.it



As MSCA PF applicant you will receive support
and training for your application through a
dedicated MSCA PF @ POLITO 2023
support programme

[discover more](#)



ELIGIBILITY CRITERIA

- **Postdoctoral researchers:** max 8 years of experience in research after PhD (with exceptions)
- **Nationality:** any nationality
- **Mobility rule:** no residence or activity for more of 12 months in the last 3 years in the country of the Host Organisation (less restriction for refugees)

HOW TO APPLY

- **MSCA-PF-2023:** [EU "Funding & Tenders Portal"](#)
- Write your research proposal on **any research domain**
- **Specific training needs** are funded
- **Duration:** 24 to 36 months
- **Worldwide secondment**, up to 1/3 of fellowship duration
- Application must be submitted with a **Supervisor** of Politecnico di Torino
- **Opening: 12 April 2023 - Closing: 13 September 2023**



FUNDING

- The grant provides an attractive allowance to cover your **living, travel and family costs**.
- Additional placement in non-academic sector within Europe (optional, up to 6 months)
- The **monthly unit costs** are:



RESEARCHER

5,080€ | Living allowance
600€ | Mobility allowance
660€ | Family allowance

INSTITUTIONAL

1,000€ | Research, training and networking costs
650€ | Management and indirect costs

MSCA Postdoctoral Fellowships

POLITO annual support to candidates

Support for proposal preparation:

Applicants **identify their POLITO Supervisor** → consult the webpages describing the 11 Departments.

Applicants choosing Politecnico di Torino as Host Institution → **benefit from dedicated support:**

- ✓ Infoday on the MSCA PF call
- ✓ In-depth webinars
- ✓ On-demand support from experienced staff
- ✓ Q&A sessions with the applicant and supervisor with experienced POLITO staff
- ✓ Proposal review service

MSCA Postdoctoral Fellowships

POLITO annual support to candidates

Support to funded projects:

Funded proposals, support during grant agreement preparation

Project management, daily assistance from the Department during the project implementation

Immigration desk support (*invitation letter, resident permit, VAT number,...*).

On-boarding, welcome services to better understand the University

PoliTO benefits: public transport pass, museum pass, kindergarten, counselling service which provide psychological support.

Initial **short term housing**

National **healthcare benefits**

**Thank You
and Best of Luck!**

**Surf the dedicated
MSCA PF 2023 webpage
for full information**

<https://www.polito.it/en/research/research-funding/horizon-europe/marie-sklodowska-curie-actions-msca/mscapolito-postdoctoral-fellowships>

Dr. Sara Rollino

Service for Development of Talent and
the Research Environment

**Research, Technology Transfer and
Innovation Division**

msca@polito.it



Let's Space!



Agenzia Spaziale Italiana

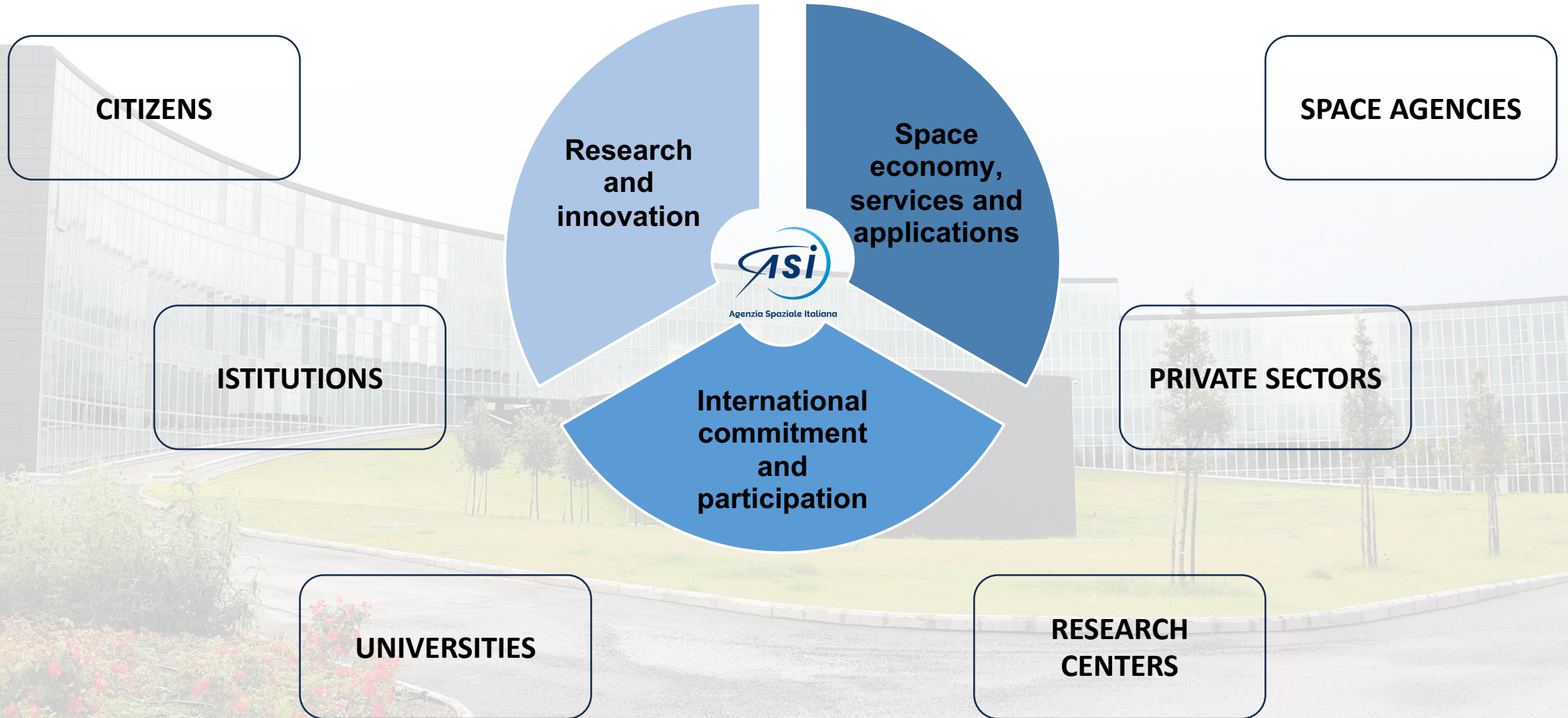
Research project proposals to progress on the path of Space knowledge

Italian Space Agency (ASI, Rome, Italy)

Valerio Vagelli / Deodato Tapete



The Italian Space Agency



Italian Space Activities



Agenzia Spaziale Italiana



ASI space centers

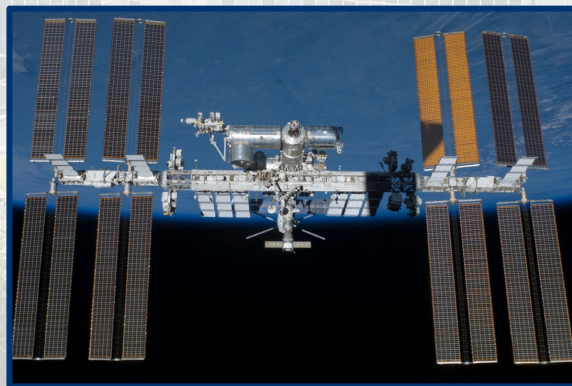


Agenzia Spaziale Italiana

ASI headquarters (Rome, IT)



R&D and research planning/execution with ASI researchers/technologists



International Space Station

ISS facility exploitation through ASI/NASA MoU

SARDINIA DEEP SPACE ANTENNA – SDSA ▶

The Sardinia Deep Space Antenna (SDSA) is the new ASI's scientific unit located in San Basilio, Cagliari.

“LUIGI BROGLIO” SPACE CENTER ▶

The "Luigi Broglio" space center in Malindi, Kenya.

“GIUSEPPE COLOMBO” CENTER FOR SPACE GEODESY ▶

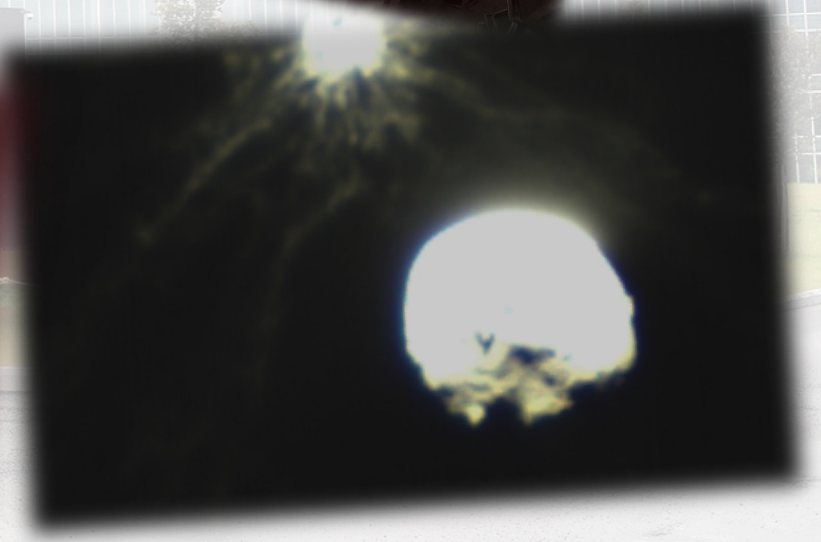
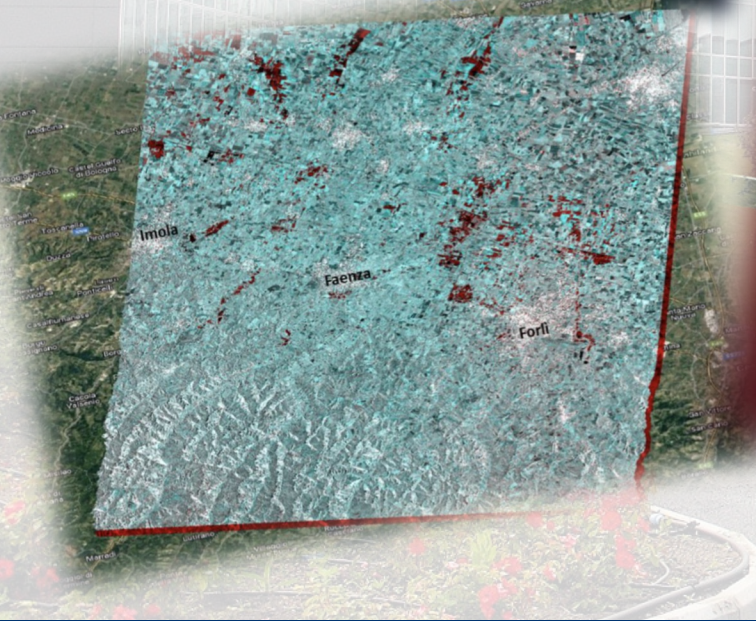
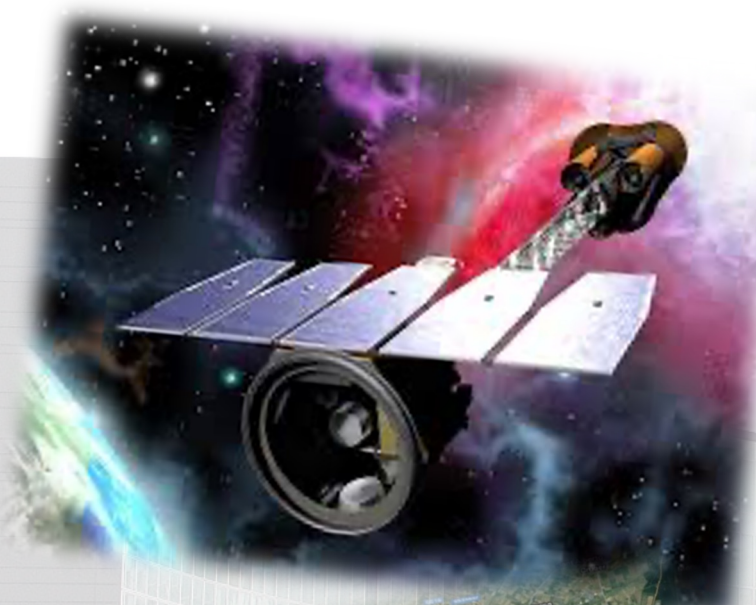
The main ASI operation center, located in Matera

SPACE SCIENCE DATA CENTER – SSDC ▶

The ASI center for the management and analysis of scientific data

+ access to variegated R&D and research national/international facilities via agreements and MoU with research institutes

ASI research activities (a non-comprehensive snapshot)



ASI national industrial and research stakeholders



Agenzia Spaziale Italiana

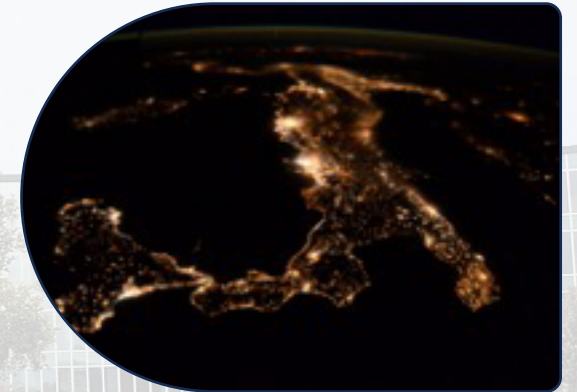


International collaboration frameworks

- ASI sponsor and supports the participation to EU activities in space and aerospace
- Third largest contributor to ESA programs
- Research collaborations with international space agencies (NASA, JAXA, CSA, ...)

Access to the whole space supply chain

- + 200 Space companies, 12 Technology clusters
- Products, Services, Applications and Technologies transferr
 - New Space economy programs

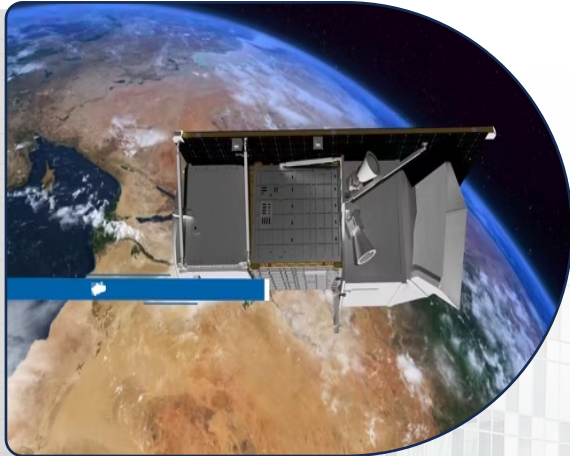


Research and R&D collaborations with research centers and Universities

- Research agreements with Universities and research centers (e.g., INAF, CNR, INFN, ...)
- Strong net for close collaborations with academy and research groups
- Frontier laboratories, equipments and investigations

ASI MSCA Hosting Offers (1/2)

Earth observation from Space



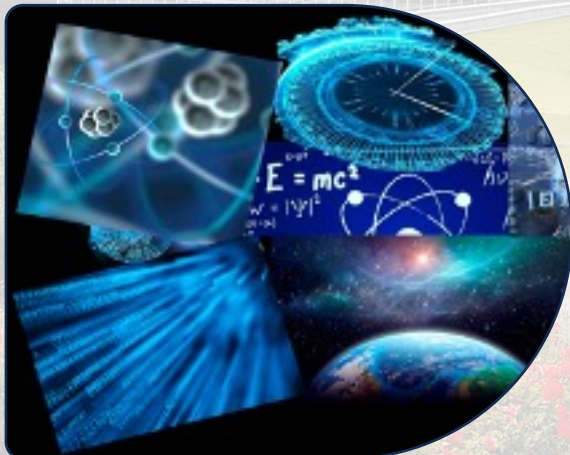
Application of Hyperspectral PRISMA data: from CO₂ and CH₄ retrieval to the future perspective in Hazard Assessment

Dr. Paola Manzari / Dr. Maria Pedone

Integration of multi-sensor data from satellite, airborne and ground-based sensors for point-wise gas emission sources in natural and urban environments

Dr. Mario Siciliani de Cumis / Dr. Deodato Tapete

Space program planning

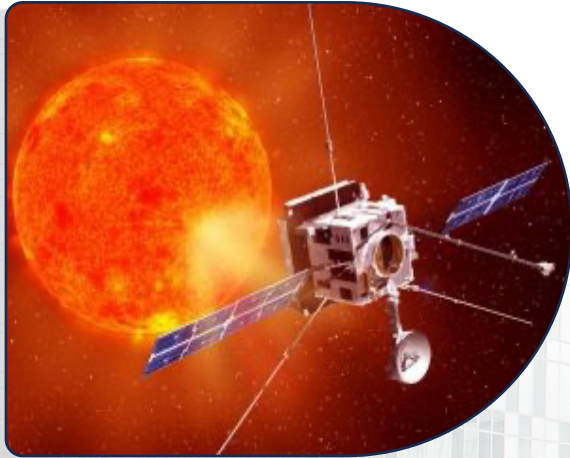


Cost analysis for complex space systems and space missions

Dr. Claudia Facchinetti / Dr. Raffaella Feltrin

ASI MSCA Hosting Offers (2/2)

Solar System, Space Weather and Exoplanet Climatology



The dynamics of small-scale magnetic fields in the solar atmosphere over a solar cycle

Dr. Marco Stangalini

Machine Learning for Automation in Data Selection onboard Space Missions

Dr. Denise Perrone

Exo-climatology by means of ExoplAn3T-ARTECS interconnection

Dr. Angelo Zinzi

Fundamental Physics and Cosmology



Spectroscopy studies at millimeter wavelengths: constraining the evolution of the Universe with CMB spectral distortions

Dr. Gianluca Polenta / Dr. Gemma Luzzi

Research programs to advance in the frontiers of astroparticle physics in space

Dr. Valerio Vagelli / Dr. Matteo Mergè

Let's Space!



Agenzia Spaziale Italiana

Research project proposals to progress on the path of Space knowledge

ASI offers the opportunity for hosting MSCA postdoctoral european fellowships on a wide spectrum of **frontier research** to advance in the field of **Universe, Space** and **Earth** sciences.

- Close collaborations with ASI expert supervisors to enhance the **quality of the research** programs and of **knowledge transfer**
 - Access to ground/space research **infrastructures** to extend the program objectives and impacts
 - Training on strategic fields for improved **international career perspectives**

List of proposals and expression of interest to ASI tutors by 1st July at

<https://www.asi.it/en/education/academy/horizon-europe-asi-marie-sklodowska-curie-actions-postdoctoral-fellowships-2023/>



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