

## CV of Dr. Giuseppe Piccioni

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### Personal data

- Born in Tarquinia (VT), January 10, 1965
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### Institution

- Director of Research at INAF, Istituto di Astrofisica e Planetologia Spaziali, 00133 Rome ITALY
- Scopus: <http://www.scopus.com/authid/detail.uri?authorId=9272129500>
- ORCID: <http://orcid.org/0000-0002-7893-6808>

### Education

- Graduated in Physics with full mark at Università La Sapienza, Rome, 1990

### Professional Background

Dr. Giuseppe Piccioni is director of research at INAF-IAPS in Rome. Since the 90's he was involved in several space missions for the Solar System, from design to calibration and data analysis. Presently he is Co-PI of the Moons And Jupiter Imaging Spectrometer (MAJIS) instrument on board the ESA JUICE mission to the Jupiter system, Team Member of the Jovian Infrared Auroral Mapper (JIRAM) instrument on board the NASA JUNO mission orbiting Jupiter, Co-I of the Visible Infrared Hyperspectral Imager (VIHI) on board the ESA Bepi-Colombo mission to Mercury and member of the ESA ARIEL (Atmospheric Remote-sensing Exoplanet Large-survey) mission for the Exoplanets. He is also leading the laboratory activities at IAPS-PLAB. He is author or co-author of more than 170 referred articles.

List of key topics of expertise:

- Planetology
- Design of space instrumentation for Solar System exploration
- Spectroscopy and remote sensing of planetary atmospheres and surfaces
- Data processing techniques of planetary data
- Laboratory activity

### Relevant Experience

- *Principal-Investigator* of the proposal and during the phase A-B1 of the MAJIS (Moons And Jupiter Imaging Spectrometer) instrument on board the ESA JUICE mission to the Jupiter system; presently *co-Principal-Investigator*
- Study Team Leader of the international team for the instrument VIRHIS (Visible and InfraRed Hyperspectral Imaging Spectrometer), identified as model payload of the ESA EISM-LAPLACE mission to the Jupiter system
- *Principal-Investigator*, together with P. Drossart of Lesia-Paris, of the "VIRTIS" (Visible and InfraRed Thermal Imaging Spectrometer) instrument for the ESA "Venus Express" mission, launched on Novembre 9 2005
- *CO-Investigator* of the "VIRTIS" (Visible and InfraRed Thermal Imaging Spectrometer, PI F. Capaccioni) instrument for the ESA "Rosetta" mission, launched on February 2004

- *CO-Investigator* and responsible of the optics module of the “PFS” (Planetary Fourier Spectrometer, PI V. Formisano) instrument for the ESA “Mars-Express” mission, launched on June 2003
- *CO-Investigator* of the “PFS” (Planetary Fourier Spectrometer, PI V. Formisano) instrument for the russian “Mars-94, Mars-96” mission
- *CO-Investigator* of the “PFS” (Planetary Fourier Spectrometer, PI V. Formisano) instrument for the ESA “Venus Express” mission, launched on Novembre 9 2005
- *CO-Investigator and Technical manager* of the “MA\_MISS” (MARTian Multispectral Imager for Subsurface Studies) instrument, proposed and selected for the phase study of the “DEEDRI” payload, the italian *driller* for the NASA “Mars sample return” mission of the “Mars Global Surveyor 2003” program (now planned for the ESA program Exomars)
- *CO-Investigator* of the “IRMA” (InfraRed Microscope Analyses, PI F. Capaccioni) instrument, proposed and selected for the “Mars Global Surveyor 2003” program, as *italian package* for the *lander*
- *CO-Investigator* of the “MARE” (MARS Radioactivity Experiment, PI G. Magni e C. Federico) experiment, proposed and selected for the “Mars Global Surveyor 2003” program
- Observer of ASI (Agenzia Spaziale Italiana) for the “TMCO” (Technical Management and Cost Outreach) of “HEDS” (Human Exploration and Development in Space) for the NASA “Mars sample return 2003” program
- *CO-Investigator* of the “MASTER” (MARS + ASTEROID MISSION) experiment, proposed as ESA space mission, approved for the phase study
- Involvement for the phase study of the “SISPHOS” (Spaceguard Integrated System for Potentially Hazardous Object Survey) project
- *Instrument Manager* for the whole package of the italian instruments for the NASA “Mars Sample Return” mission of the “Mars Global Surveyor” program (only for the study phase, mission not selected for implementation)
- *CO-Investigator* of the “VIHI” (“Visual and Infrared Hyper-spectral Imager”) experiment for the ESA Bepi-Colombo mission
- Member of the working group about the technological transfer at INAF, at the earlier phase
- Scientific responsible at INAF of several ASI contracts about ESA programs, among which Venus Express, EJSM/Laplace and JUICE
- Working group leader at ASI for the “Sistema solare ed esplorazione planetaria”, from October 2007 to June 2008
- Working group leader of the “Sistema solare e simulazioni di laboratorio” for the “Premiale INAF WOW” (“a Way to Other Worlds”)
- Advisory member of the “EuroVenus” project, selected for the “Europlanet” program of the European Community
- Member of the international committee of several international projects as external expert, among which the *French Research Agency*
- *Guest editor* of the PSS (“Planetary and Space Science”) scientific journal for a special issue volume entitled “Exploration of Venus”
- Referee in numerous international scientific papers, among which the journal “Nature”

## Awards

- **Diploma IFSI** for the pluriannual participation to the Mars Express mission (2003)

- **Diploma ESA** for the pluriannual participation to the Mars Express mission (2003)
- **Diploma ESA** for the pluriannual participation to the Rosetta mission (2004)
- **Diploma ESA** for the pluriannual participation to the Venus Express mission (2005)
- **Diploma NASA** for the pluriannual participation to the DAWN mission (2008)
- **Asteroid 147693** discovered at ESO has been named “Piccioni” on 2005

### **Publications**

<https://ui.adsabs.harvard.edu/#search/q=orcid%3A0000-0002-7893-6808&sort=date+desc>