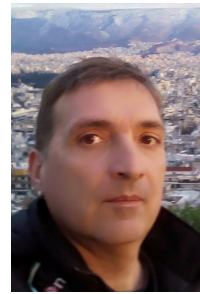


PERSONAL INFORMATION **Francesco Lazzarotto**



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Gender Male | Date of birth 10 September 1971

Nationality Italian

ORCID: <https://orcid.org/0000-0003-4871-4072>

WORK EXPERIENCE

May 2019 – Present **Technology Researcher**

INAF OA Padova <http://www.oapd.inaf.it>
vicolo dell'osservatorio 5, 35122 Padova (PD), Italy

Dec. 2001 – Apr. 2019 **Technology Researcher**

INAF IAPS Roma,
c.o. CNR, via del Fosso del Cavaliere, 100 - 00133 Roma, Italy

EDUCATION AND TRAINING

2006 **PhD in Space Systems & Technologies**

ISCED level 6

Thesis Title: "A Reliability Analysis on the Data Processing System of a Space Experiment"
Tor Vergata University, faculty of Engineering, Rome, Italy

2001 **Master Degree in Computer Science**

La Sapienza University, faculty of Science, Rome, Italy

- science computing specialization (experimental physics);
- research internship at National Council of Research (CNR), 1999-2001;
- advanced mathematics & physics;

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C1	C2
French	B1	B1	B1	B1	A2
Spanish	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference \(CEF\) level](#)

- Communication skills** – team work: I have worked and participated in various types of teams from research teams to musical bands, sport teams, associations, volunteering groups. I am a volunteer hiking guide.
– intercultural skills: i am tutor in an international PhD course, following students from abroad. I work in international research projects with people from all around the world. I participated in a environmental volunteering camp in Peru for 1 month in 2017.
- Organisational skills** – cooperating in organising meetings/conferences and cultural events in my job.
– participating in organising events and other activities in associations and unions.
- Computer skills** – **Operating Systems:** GNU/Linux (administration, advanced usage), MS Windows (usage), Android (advanced usage), Mac (usage).
– **Programming Languages:** C/C++, Python, Java, SQL, Fortran, Bash (among others).
– **Data Formats & Standards:** xml, pds, fits, ccsds, ecss
– **Office & editing:** MS Office, Libreoffice, Latex, web/html
- Other skills & interests** Music: playing & listening. Outdoor Sports: hiking, trekking, swimming & running. I like to travel, meet people and experience different cultures.
- Driving licence** A, B

SELECTED PUBLICATIONS

Books

- [1] F. Lazzarotto. *Design of a reliable processing system for satellite data*. ISBN-13: 978-3838358574. LAP, 2010.

Articles

- [2] F. Lazzarotto et al. *High Quality Software for Planetary Science from Space*. [10.13140/RG.2.2.10451.73762](https://doi.org/10.13140/RG.2.2.10451.73762). 2020.
- [3] S. Orsini, ..., F. Lazzarotto, et al. *The BepiColombo/SERENA package: first signal from space*. EPSC-DPS2019-1737. Sept. 2019.
- [4] S. Orsini, ..., F. Lazzarotto, et al. *SERENA particle package: the link between the environment and Mercury ready to launch on board BepiColombo*. EPSC2018-1129. Sept. 2018.
- [5] S. Orsini, ..., F. Lazzarotto, et al. *The BepiColombo/SERENA package: Serena Integrated Test campaign*. EPSC2017-901. Sept. 2017.
- [6] M. Marisaldi, ..., F. Lazzarotto, et al. "Properties of terrestrial gamma ray flashes detected by AGILE MCAL below 30 MeV". In: *Journal of Geophysical Research (Space Physics)* (2014). DOI: [10.1002/2013JA019301](https://doi.org/10.1002/2013JA019301).
- [7] F. Lazzarotto et al. *The BepiColombo SERENA/ELENA Instrument On-Ground Testing with the ELENA Special Check Out Equipment (SCOE)*. e-proc of ESAW 2013. June 2013.
- [8] F. Lazzarotto. *Space Radiation Environment Measurements as by Product of the Gamma Ray Astronomy Mission AGILE*. DOI:[10.13140/RG.2.2.17255.60325](https://doi.org/10.13140/RG.2.2.17255.60325). Nov. 2011.
- [9] F. Lazzarotto et al. "SuperAGILE Data Processing Services". In: *proc. of ADASS XVIII, ASP Conference Series Vol. 411, p. 434*. 2009.
- [10] M. Trifoglio, ..., F. Lazzarotto, et al. *Architecture and performances of the AGILE Telemetry Preprocessing System (TMPPS)*. proc. of SPIE Volume 7011 3E, DOI:[10.1117/12.789338](https://doi.org/10.1117/12.789338). 2008.
- [11] F. Lazzarotto, M. Feroci, and M. T. Pazienza. "A theoretical formal model for mining transient events among databases of high energy astrophysics experiments". In: *ASP Conference Series Vol. 312 pag. 528*. 2004.
- [12] M. Feroci, C.L. Bianco, F. Lazzarotto, et al. "A robust filter for the BeppoSAX Gamma-Ray Burst Monitor triggers". In: *AIP Conference Proceedings Vol. 536*. 2000. DOI: [10.1063/1.1361627](https://doi.org/10.1063/1.1361627).