

## PERSONAL INFORMATION

## Sandra Parlati

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## WORK EXPERIENCE

- |                     |  |
|---------------------|--|
| 2022-Present        | <p>Responsible of the LNGS HPC4DR computing infrastructure as part of the ICSC Italian Research Center on High Performance Computing, Big Data and Quantum Computing financed with 319MEuro by the Italian Ministero dell'Università e della Ricerca (MUR) in the framework of the PNRR National Recovery and Resilience Plan.<br/>Responsible of the personnel and activities financed by the ICSC project at LNGS site.</p>  |
| 2022-Present        | <p>Coordinator of the OR3 "Data and digital infrastructures" of the LNGS-Future Project financed with 20MEuro by the Italian Ministero dell'Università e della Ricerca (MUR) in the framework of the PNRR National Recovery and Resilience Plan.<br/>Responsible of the personnel and activities financed by the OR3 of the LNGS-Future project.</p>   |
| 2019-Present        | <p>Contact person of the OR1 "Optical Fiber infrastructure" for the PON FARO2030 Project financed with 18.4MEuro by the Italian "Ministero dell'Istruzione, dell'Università della Ricerca (MIUR)<br/>Responsible of the personnel and activities financed by the OR1-fibra of the PON FARO2030 project.</p>  |
| 1/06/2005 – Present | <p><b>Head of the Computing and Network Service</b><br/>Gran Sasso National Laboratories - LNGS<br/>The Italian National Institute for Nuclear Physics (INFN)<br/>L'Aquila (Italy)</p> <p>Computing and Network infrastructures: design, implementation and management; Scientific computing and support to LNGS experiment's communities; HTP and HPC; cybersecurity and personal data protection; general IT services and LNGS user support; staff selection and recruitment; procurement procedures for Hardware and software; teaching and training activities as well as outreach activities.</p> |
| 01/2020 – Present   | <p><b>Senior technologist</b><br/>Gran Sasso National Laboratories - LNGS<br/>The Italian National Institute for Nuclear Physics (INFN)<br/>L'Aquila (Italy)</p> <p><a href="http://www.lngs.infn.it">www.lngs.infn.it</a><br/>Technological Research on field of Computing and Network Infrastructures, Scientific computing, HTC and HPC, IT services.</p>   |
| 12/2001 – 12/2019   | <p><b>Technologist</b> - permanent position<br/>IT Division - Gran Sasso National Laboratories<br/>The Italian National Institute for Nuclear Physics (INFN)<br/>L'Aquila (Italy)<br/><a href="http://www.lngs.infn.it">www.lngs.infn.it</a><br/>Technological Research on field of Computing and Network Infrastructures, Scientific computing, HTC and IT services.</p>  |
| 03/1997 – 12/2001   | <p>Technologist - term contract<br/>IT Division - Gran Sasso National Laboratories - INFN<br/>L'Aquila (Italy)<br/>Technological Research on field of Scientific computing, HTC, IT services.</p>  |

- 11/1995 – 01/1996 Computer Officer  
University of Lecce (Italy) and Gran Sasso National Laboratories – INFN  
Data management for the MACRO experiment
- 02/1995 – 07/1995 Term Contract in Research Project  
University of Pisa (Italy) and INFN Pisa  
Measurement of the characteristics of the PMT used in the CHOOZ experiment
- 09/1992 – 12/1994 Computer Officer  
California Institute of Technology and INFN  
Management of the DAQ and analysis cluster of the MACRO experiment; data management

**EDUCATION AND TRAINING**

- 5/1996- 03/1997 Research Fellowship  
CNR Istituto di Cosmogeofisica – Turin (Italy)  
Development of the event display of the ICARUS experiment.
- 09/1991- 09/1992 Research Fellowship  
INFN and Digital Equipment Corporation  
Study of the Ethernet and FDDI local area networks
- 06/1991 – 09/1991 Summer student  
Gran Sasso National Laboratories (INFN)  
Data management and reduction for the MACRO experiment
- 11/1985- 03/1991 **Graduation in Physics with full marks (110/110)**  
University of Turin - Turin (Italy)

**PERSONAL SKILLS**

Mother tongue(s) Italian  
Other language(s)

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

Communication skills Excellent communication skills built in a variety of professional and non-professional contexts, including:

- coordination of large working teams
- contacts with students and teachers for organization of courses and schools
- Outreach skills gained in various presentations for educational purposes in schools and in the occasion of public events and other third mission activities

Organisational / managerial skills Outstanding skills for organizing team work (refined in almost 17 years spent in the management of team of up to 10 people)  
Excellent organizational skills with long-term experience in activity planning, personnel training, as well as in maintenance, upgrading and acquisition of technical equipment and infrastructures.  
Capability to solve problems and negotiate solutions.

Computer skills OS: VMS, Unix/Linux, Windows, MacOS  
Programming languages: C/C++, Fortran, Perl

## COMMISSION OF TRUST

- Since 2001 Representative of the Gran Sasso National Laboratories and INFN L'Aquila inside the "INFN National Computing and Network Commission" Italy
- Since 2005 Sole Project Manager for all procurement procedures for IT Hardware and software Laboratori del Gran Sasso INFN
- Since 2007 Member and President of several Panel for the selection of Personnel at Laboratori del Gran Sasso and other INFN sites – Italy
- Since 2013 Referee of the "R&D Projects" of the "INFN National Computing and Network Commission" Italy
- Since 2016 "LHCOne site contact" for LNGS in the context of the worldwide LHCOne network
- 2017 Reviewer of the IEEE Nuclear Science Symposium" for the section "Computing and Software and Software Reliability".
- Since 2019 "Local representative in matter of Personal Data Protection" of Gran Sasso National Laboratory - INFN
- Since 2007 Member and President of several Tender Committee for INFN – Italy
- Since 2022 member of the Scientific Committee of the HPC4DR ("High Performance Computing for Disaster Resilience") Consortium
- Since 2019, sole manager of the procurement Procedure for PON FARO2030 project
- Since 2022, sole manager of the procurement Procedure for INFN national projects (ICSC)
- Since 2022, sole manager of the procurement Procedure for LNGS-Future Project, WP3
- Since 2020, LNGS representative inside the INFN National Assembly of the Researchers and Technologists.

Publications Author and co-author of more than 60 scientific papers  
• **Scopus h-index:** 33, Paper:66, citations:10813; **Inspire h-index:** 37, Paper:71, citations: 11203

• Recent publications:

- Accurate GPS-based timestamp facility for Gran Sasso National Laboratory  
DOI: [10.1088/1748-0221/14/04/P04001](https://doi.org/10.1088/1748-0221/14/04/P04001)
- U-LITE, a Private Cloud Approach for Particle Physics Computing  
DOI: 10.4018/IJCAC.2019010101

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