

Main scientific interests

Seismology, engineering seismology, source parameters estimation, seismic tomography, seismic wave propagation, site response analysis, earthquake early warning and rapid damage assessment, seismic hazard and risk, multi-risk analysis.

Author of 201 publications (Scopus)

h-index: Scopus 43

<https://www.scopus.com/authid/detail.uri?authorId=6701717729>

Google Scholar:

<https://scholar.google.com/citations?hl=it&user=jgJhLOMAAAAJ>

Orcid:

<https://orcid.org/0000-0002-9084-7488>

Personal web site:

<https://mige-web.units.it/parolai/index.html>

Main Occupational history and positions held

24/10/2024- present :Member of the academic senate of the University of Trieste.

14/11/2023- present: Director of the Department of Mathematics, Computer Science and Geosciences of the University of Trieste

01/11/2022-Present: Full Professor (Professore di I Fascia SSD Geo/10 SC 04/A4) at the Università degli Studi di Trieste

01/09/2017-31/10/2022: Director of the Seismological Research Center (CRS) at the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS (Italy)

22/07/2020-31/10/2020: Director pro tempore of the Division of Geophysics (GEO) at the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS (Italy)

01/12/2012-31/08/2017: Head of Section 7.1 (Centre for Early Warning Systems) of the Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, Potsdam (Germany)

01/01/2004-30/11/2012: Senior scientist at the Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, Potsdam (Germany)

01/06/2000-31/12/2003: Post-doc position at the Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, Potsdam (Germany)

Education and training

31/01/2022 -31/01/2031: Habilitation as full professor in Astronomy, Astrophysics, Physics of the Earth and of the Planets (ASN 02/C1) Ministero dell'Istruzione dell'Università e della Ricerca (MIUR)

28/08/2018-28/08/2027: Habilitation as full professor in Geophysics (ASN 04/A4) Ministero dell'Istruzione dell'Università e della Ricerca (MIUR)

22/07/2015: Apl Professor at the TU Berlin in Engineering Seismology

23/06/2010: Privat Dozent at Technische Universität Berlin

01/04/2009: Habilitation at Technische Universität Berlin. The teaching qualification for the field: Engineering seismology

01/11/1993-08/7/1997: PhD in Geophysics University of Genoa

12/03/1993: Degree in Geological Science at the University of Genoa

Main recent membership in National or international Committee and Organisation

31/08/2023- Present : Appointed by the Minister for Civil Protection and Sea Policies as a member and substitute for the contact person in the Seismic Risk sector, of the National Commission for the Prediction and Prevention of Major Risks.

9.3.2022-Present: Titular member for Italy to the European Seismological Commission

06/09/2021-Present: JRU manager EPOS-Italia

28/08/2014- 9/9/2022: Secretary General of the European Seismological Commission (ESC)

Ongoing Projects

1/11/2024- Present: PI in the “**Advanced SeisMic InterferOmetry MethoDs and TechnologiEs for EngineeRiNg Seismology (MODERN)**”. DD.18/2/2024 MUR, financed by “Fondo italiano per le scienze applicate” (FISA)

1/12/2022- Present: WP leader in the PNRR **multi-Risk sciEnce for resilienT commUnities undeR a changiNg climate (Return)** project

30/09/2020- Present: Member of internal advisory board for the project **Methods and tools innovation for seismic risk assessment (METIS) H2020**