Daniele Spallarossa

Date of birth: 19/12/1966 | **Nationality:** Italian | **Gender:** Male | (+39) 3382681481 |

daniele.spallarossa@unige.it |

University of Genoa, DISTAV, Seismology Lab. Viale Benedetto XV/5 , 16100, Genoa, Italy

CURRENT POSITION

01/11/2002 – CURRENT
Associate Professor of Solid-Earth Physics

University of Genoa, DISTAV (Department of Earth, Environment and Life Sciences)

Main activities and responsibilities: Teaching, Research and management.
- Teaching Activities : Academic Teacher (Degree in Geological Science and MSc in Geological Science)
- Main Research: researches conducted for the development and implementation of innovative methods (algorithms) for the "rapid" identification of the characteristics of the seismic source and for the improvement of seismic monitoring activities
- Management: coordination (head) of the activities of the DISTAV Seismology Laboratory: http://www.distav.unige.it/rsni/labsismo.php?lang=en
- Management: coordination of "The Regional Seismic network of Northwestern Italy" managed by the University of Genoa (DISTAV): http://www.distav.unige.it/rsni/rete.php?lang=en
- Management: coordinator of the Course in Geological Sciences and MSc in Geological Science at University of Genoa
- Management: member of the College of the PhD school in "Science and Technologies for the Earth and Environment".

WORK EXPERIENCE

01/01/2000 – 31/10/2002 – Genoa, Italy
RESEARCHER (EX ART. 36) – ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA

Main activities: research in seismology (seismo-tectonic, instrumental seismology, source parameters determination, seismic hazard)

01/03/1993 – 31/12/1999 – Genoa, Italy
RESEARCHER (EX ART. 36) – CONSIGLIO NAZIONALE DELLE RICERCHE

Main activities: research in seismology (seismo-tectonic, instrumental seismology, source parameters determination, seismic hazard)

EDUCATION AND TRAINING

10/10/1990
MASTER DEGREE IN GEOLOGY SUMMA CUM LAUDE – University of Genoa, Italy

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Programming languages

Advance knowledge of Python, C/C++, Fortran,Java

Others

 Advance knowledge of: Matlab,R,Netbeans, Microsoft Office (Excel, PPT, Word), LaTeX, Linux

COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills

Advanced communication skills acquired during my path of studies and during my 20 years university experience (teaching,research,management)

Social skills

Good ability to adapt and to collaborate in different kind of working environments

ORGANISATIONAL - MANAGERIAL SKILLS

Research

- Research projects management
- Research group supervision

Management

- Management of science laboratories
- Management of University courses (bachelor degree, master degree)

RESEARCH PROJECT MANAGEMENT

01/01/2022 – CURRENT
EPOS-ITA

Principal Investigator and responsible for the project "**Sviluppo ed implementazione di un servizio a scala nazionale per la
stima di M0 ed Er".** Founded MIUR-INGV (18.000 €)

05/02/2021 – 31/12/2021
EPOS - ITA

Principal Investigator and responsible for the project "**Sviluppo, implementazione e validazione di un servizio per la stima e condivisione di parametri di sorgente sismica in ambito "Rapid Response".** Founded by MIUR-INGV (26.000 €)

01/01/2020 – 31/12/2020
EPOS-ITA

Principal Investigator and responsible for the project "**Supporto Istituzionale alla DDSS provision sismologica dei Service Providers Italiani in EPOS".** Founded MIUR-INGV (26.600 €)

01/01/2005 – 31/12/2006
S4-Project

Principal Investigator and responsible for the project "**Stima dello scuotimento in tempo reale e quasi-reale per terremoti significativi in territorio nazionale".** Founded by the Italian Department of Civil Protection (980.000 €)

01/01/2004 – 31/12/2006
S1-Project

UO-Genova Principal Investigator. "**Proseguimento della assistenza al DPC per il completamento e la gestione della mappa di pericolosità sismica prevista dall'Ordinanza PCM 3274/2003 e progettazione di ulteriori sviluppi**" Founded by the Italian Department of Civil Protection (25.000 €)

ADDITIONAL INFORMATION

Pubblication

She has authored approxymately 90 scientific publications in peer-reviewed international journals

Presentations

Invited speaker and attendant in several conferences and seminars

Reviewer

Invited reviewer for "Bulletin of Seismological Society of America" and "Jourrnal of Sesismology"

Bibliometrics

Google Scholar
Citations: 2147
h-index: 28

Scopus
Citations: 1598
h-index: 24

ASN

On June 2021, Prof. Spallarossa was qualified as 1st-level professor 04/A4 (abilitazione all'esercizio di professore di prima fascia).

PUBLICATIONS

Depth-Dependent Shear-Wave Attenuation in Central Apennines, Italy Castro, R.R., Pacor, F., Spallarossa, D. Pure and Applied Geophysics, 2021, 178(6), pp. 2059–2075

2021

Quantification of site effects in the Amatrice area (Central Italy): Insights from ground-motion recordings of the 2016–2017 seismic sequence Felicetta, C., Mascandola, C., Spallarossa, D., ...Hailemikael, S., Di Giulio, G. Soil Dynamics and Earthquake Engineering, 2021, 142, 106565

2021

An automatically generated high-resolution earthquake catalogue for the 2016-2017 Central Italy seismic sequence, including P and S phase arrival times. Spallarossa, D., Cattaneo, M., Scafidi, D., ...Segou, M., Main, I.G.Geophysical Journal International, 2021, 225(1), pp. 555–571

2021

The RAMONES service for rapid assessment of seismic moment and radiated energy in central Italy: Concepts, capabilities, and future perspectives Spallarossa, D., Picozzi, M., Scafidi, D., ...Turino, C., Bindi, D. Seismological Research Letters, 2021, 92(3), pp. 1759–1772

2021

Reliability of source parameters for small events in central italy: Insights from spectral decomposition analysis applied to both synthetic and real data Bindi, D., Spallarossa, D., Picozzi, M., Morasca, P. Bulletin of the Seismological Society of America, 2020, 110(6), pp. 3139–3157

2020

Seismological analyses of the seismic microzonation of 138 municipalities damaged by the 2016–2017 seismic sequence in Central Italy Priolo, E., Pacor, F., Spallarossa, D., ...De Ferrari, R., Cultrera, G. Bulletin of Earthquake Engineering, 2020, 18(12), pp. 5553–5593

2020

Methodology to identify the reference rock sites in regions of medium-to-high seismicity: An application in Central Italy Lanzano, G., Felicetta, C., Pacor, F., Spallarossa, D., Traversa, P. Geophysical Journal International, 2020, 222(3), pp. 2053–2067

2020

Onsite earthquake early warning: Predictive models for acceleration response spectra considering site effects Iaccarino, A.G., Picozzi, M., Bindi, D., Spallarossa, D. Bulletin of the Seismological Society of America, 2020, 110(3), pp. 1289–1304

2020

Detecting long-lasting transients of earthquake activity on a fault system by monitoring apparent stress, ground motion and clustering Picozzi, M., Bindi, D., Zollo, A., Festa, G., Spallarossa, D. Scientific Reports, 2019, 9(1), 16268

2019

On-site earthquake early warning: A partially non-ergodic perspective from the site effects point of view Spallarossa, D., Kotha, S.R., Picozzi, M., Barani, S., Bindi, D. Geophysical Journal International, 2019, 216(2), pp. 919–934

2019

Moment and energy magnitudes: Diversity of views on earthquake shaking potential and earthquake statistics Picozzi, M., Bindi, D., Spallarossa, D., ...Di Giacomo, D., Zollo, A. Geophysical Journal International, 2019, 216(2), pp. 1245–1259

2019

Impact of magnitude selection on aleatory variability associated with ground-motion prediction equations: Part II-analysis of the between-event distribution in central Italy Bindi, D., Picozzi, M., Spallarossa, D., Cotton, F., Kotha, S.R. Bulletin of the Seismological Society of America, 2019, 109(1), pp. 251–262

2019

A complete automatic procedure to compile reliable seismic catalogs and travel-time and strong-motion parameters datasets Scafidi, D., Spallarossa, D., Ferretti, G., ...Castello, B., Margheriti, L. Seismological Research Letters, 2019, 90(3), pp. 1308–1317

2019

- **DRIVING LICENCE**

Driving Licence: A
Driving Licence: BE

- **PRIVACY**

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According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV