

CURRICULUM VITAE ET STUDIORUM

NAME: *Federica Ferrarini, PhD*

EMPLOYER AND OFFICE ADDRESS: University “G. d’Annunzio” of Chieti
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HIRSCH (H)-INDEX (Based on SCOPUS): 19

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PRESENT POSITION

- **from 30/10/2024 to present** – Associate Professor (SSD GEO/03) at DiS - Department of Sciences - University “G. d’Annunzio” of Chieti-Pescara (Italy);
- **from 01/01/2021 to 30/10/2024** – Associate Professor (SSD GEO/03) at DiSPUTer - University “G. d’Annunzio” of Chieti-Pescara (Italy);
- **from 01/01/2018 to 01/10/2021** – Researcher (RTDb - L.240/2010. Art. 24, comma 3, lettera b) at DiSPUTer, University “G. d’Annunzio” of Chieti (Italy). PI on a project funded by H2020-MSCA-IF-2017 (*Marie Skłodowska-Curie Individual Fellowships*), Type of action: MSCA-IF-GF (Global Fellowships), Proposal #795396
Title: *Seismogenic compression in southern Italy? – High-resolution topography (Lidar) and morphotectonic analysis to test the active nature of the Southern Apennine Outer Thrust Front* - GRANT AGREEMENT N° 795396 (<https://cordis.europa.eu/project/id/795396>).

NATIONAL SCIENTIFIC HABILITATION

- **15/07/2020** – Achievement of **National Scientific Habilitation (ASN 2018-2020) to apply for permanent positions as Associate Professor**
CALL D.D. 2175/2018, COMPETITION AREA ‘04/A2’ *STRUCTURAL GEOLOGY, STRATIGRAPHY, SEDIMENTOLOGY AND PALEONTOLOGY*.

EDUCATION

- **from 04/01/2010 to 04/01/2012** – **Post-doctoral fellowship**
Project title ‘*Study of active tectonics and structures responsible for strong earthquakes in the Abruzzo region aimed at the definition of seismic hazard scenarios*’
Cofunding University “G. d’Annunzio” of Chieti-Pescara & Bank ‘Cassa di Risparmio della Provincia di Chieti’ (Italy)
Supervisor: Prof. G. Lavecchia

- **09/03/2009 – PhD** in “Ambiente e Territorio”
Institution: ‘Università degli Studi del Molise’ - Di.S.T.A.T., Pesche (Isernia), Italy -
Supervisors: Prof. G. Pappone and Prof. P. Boncio
Thesis title: “*Geological-structural setting of the northern Matese and kinematic analysis of the Quaternary deformation along the Bojano normal fault system (Molise-Central Italy)*”.
- **12/12/2005 – Master Degree** (*cum laude*) in Geological Sciences
Institution: University “G. d’Annunzio” of Chieti (Italy)
Supervisor: Prof. G. Lavecchia
Thesis title: “*Kinematic analysis and seismotectonic zonation of Sicily (Southern Italy)*”.

RESEARCH AREAS AND EXPERTISE

Fields: *Seismotectonics, Active Tectonics, Structural Geology, and Morphotectonics*

Specific Research Expertise:

- *Quantitative Geomorphology & Morphotectonic Analysis* aimed at identifying active deformation in tectonic contexts with low deformation rates;
- *3D Reconstruction of Seismogenic Structures* – expertise gained from analyzing structures activated during recent seismic events in Italy, including Norcia (2016-2017), L'Aquila (2009), and Ferrara (2012);
- *Field Surveys* in active tectonic contexts;
- *Kinematic & Stress-Field Analysis* by integrating geological and seismological data;
- *Geological-Structural Analysis & 3D Reconstruction of Geological Surfaces* – Expertise gained within the framework of a project focused on the exploitation of geothermal resources in central Italy (Abruzzo-Molise).

TECHNICAL SKILLS

Software and tools:

- *Matlab* (<https://www.mathworks.com/products/matlab.html>) and *Topotoolbox* (Schwanghart, W., Kuhn, N.J., 2010) for topographic and quantitative geomorphology analyses.
- Consolidated expertise with *ArcGIS* by ESRI for spatial data management and geoprocessing.
- *Move Suite* by PETEX, <https://www.petex.com/pe-geology/move-suite/>
- *Win-Tensor* by Delvaux D. and Sperner B., 2003
(https://damiendelvaux.be/Tensor/WinTensor/win-tensor_download.html).
- *FaultKinWin/Stereonet* by R.W. Allmendinger
(<http://www.geo.cornell.edu/geology/faculty/RWA/>).
- *Microsoft Office* (<https://www.microsoft.com/>).

(PI) OF INTERNATIONAL RESEARCH PROJECTS admitted to funding based on Peer-Review Evaluation

- **01/10/2018-01/10/2021 – Appointed Researcher** of the project ‘*COLOSSEO - Seismogenic Compression in southern Italy? – High-resolution topography (Lidar) and morphotectonic analysis to test the active nature of the Southern Apennine Outer thrust front*’ (<https://cordis.europa.eu/project/id/795396>). H2020-MSCA-IF-2017, Marie Skłodowska-Curie Actions, Founding Scheme: MSCA-IF-GF (Global Fellowships). Funds €262,269 - GRANT AGREEMENT N°795396. *Hosting Institution* University “G. d’Annunzio” of Chieti-Pescara (Italy). *Partner Organization*: Arizona State University, Tempe, AZ, USA.

INVOLVEMENT IN NATIONAL AND INTERNATIONAL RESEARCH COLLABORATIONS

- **2024** – European Task-Force “EuQuaGe” EMERGE0,
- <https://www.preventionweb.net/organization/european-earthquake-geology-task-force-emergeo>) - *First Field Exercise of the European Earthquake Geology Task Force (EuQuaGe) performed in Türkiye on the surface rupture of 06 February 2023 Elbistan (Kahramanmaraş) Earthquake* - <https://www.preventionweb.net/news/first-field-exercise-european-earthquake-geology-task-force-euquake-performed-turkiye-surface>
- **2014-2015** – Italian Civil Protection Department (DPC)- Research Unit of Chieti. Title: *UniCH) Newly found Quaternary faults in the Calabro-Lucania Region: Detailed mapping and integration with GPR and seismological data aimed at the 3D reconstruction of the active fault system* agreement INGV-DPC 2014-15 – Seismological Projects - Project S1 - Base-knowledge improvement for assessing the seismogenic potential of Italy
- **2014-2015** – Project ATLANTE GEOTERMICO/Geothermic Atlas (<http://atlante.igg.cnr.it/>);
- **2010** - Università degli studi del Molise – Research activities related to the fulfillment of the Explanatory Notes of the Sheet 431 - Caserta Est - CARG project- Geological and geo-thematic cartography at scale 1:50.000 - '*Sismicità*' in *Note Illustrative alla carta geologica alla scala 1:50.000 - Foglio 431 Caserta Est*, G. Carannante, M. Cesarano, G. Pappone, M.L. Putignano, a cura di) (<http://www.isprambiente.gov.it/Media/carg/campania.html>)
- **2009** – Università degli studi del Molise – Research activities related to the fulfilment of the Explanatory Notes of the Sheet 405 - Campobasso - CARG project- Geological and geo-thematic cartography at scale 1:50.000 - '*Sismicità*' in *Note Illustrative alla carta geologica alla scala 1:50.000 - foglio 405 Campobasso* (G. Pappone, P.P.C. Aucelli, M. Cesarano, M.L. Putignano, D. Ruberti, Eds)
- (http://www.isprambiente.gov.it/Media/carg/405_CAMPOBASSO/Foglio.html)
- **2006-2009** – Field survey of a sector included in the Sheet 405-Campobasso Campobasso - CARG project - Geological and geo-thematic cartography at scale 1:50.000 (http://www.isprambiente.gov.it/Media/carg/405_CAMPOBASSO/Foglio.html).

NATIONAL/INTERNATIONAL CONGRESS/MEETINGS ORGANIZATION OR CONVEYING

- **2024** – Scientific and Organizing Committee member of the ‘*CRUST Plenary Workshop*’ - Chieti 2024 -June 23rd -25th (<https://www.crust.unich.it/avvisi/crust-plenary-workshop-chieti-2024-june-23rd-25th-2024>)
- **2024**–convener at EGU General Assembly 2024 (Vienna) of the session *T3.3. Studying active faults from the near-surface to seismogenic depth: an open challenge* (F. **Ferrarini**, F. Bonali, V. Kastelic, R. de Nardis, V. Alania) –
- <https://meetingorganizer.copernicus.org/EGU24/session/48674>
- **2023** – co-convener at EGU General Assembly 2023 (Vienna) of the session *S3.3. Studying active faults from the near-surface to seismogenic depth: an open challenge* (F.L. Bonali, R. de Nardis, F. **Ferrarini**, R. Arrowsmith, V. Alania) –
- <https://meetingorganizer.copernicus.org/EGU23/session/46229>
- **2022** – co-convener at the *Joined Congress of SGI-SIMP - S31. Towards modern concepts in seismotectonic-model definition and imaging: multidisciplinary and multiscale approaches in different tectonic settings* (R. de Nardis, F.L.Bonali, F. **Ferrarini**, V. Paoletti, D. Presti) - <https://geoscienze.org/torino2022/index.php/sessioni/elenco-sessioni>

- **2021** – co-convenor at 90th Congress of the Italian Geological Society - *P.13 Earthquakes and Tsunami* (F. Romano, L. Valoroso, B. Lolli, **F. Ferrarini**, S. Pepe, A. Magrin)
- <https://www.geoscienze.org/trieste2021/index.php/sessioni/elenco-sessioni-old#p13>
- **2020** – convenor at ‘Geological Society of America’ Congress– GSA (October 20-26) - *T1. The Multidisciplinary Approach of the Seismotectonics as a Key Tool to Expand Horizons on Faulting Process Understanding and to Address Effective Seismic Hazard Assessment* (**F. Ferrarini**, R. de Nardis, J R. Arrowsmith) –
- <https://community.geosociety.org/gsa2020/program/technical/topical>

EDITOR’S ROLE AND RESPONSIBILITIES

- **since April 2021**: Associate Editor of the Journal *FRONTIERS IN EARTH SCIENCES* - Section ‘Structural Geology and Tectonics’ (<https://www.frontiersin.org/journals/earth-science/sections/structural-geology-and-tectonics>)
- **November 2019 – April 2021**: Guest Associate Editor of the Journal *FRONTIERS IN EARTH SCIENCE* - Section ‘Structural Geology and Tectonics’
- Research Topic’s Article collection: UNVEILING ACTIVE FAULTS: MULTISCALE PERSPECTIVES AND ALTERNATIVE APPROACHES ADDRESSING THE SEISMIC HAZARD CHALLENGE -
- <https://www.frontiersin.org/research-topics/12168/unveiling-active-faults-multiscale-perspectives-and-alternative-approaches-addressing-the-seismic-ha>

Peer-reviewer since 2020 for the Journals (<https://orcid.org/0000-0002-6726-4073>)

- REMOTE SENSING (EISSN 2072-4292);
- TECTONOPHYSICS (ISSN:0040-1951);
- SOLID EARTH (ISSN:1869-9510);
- GEOSCIENCES (ISSN: 2076-3263);
- FRONTIERS IN EARTH SCIENCES (E-ISSN:2296-6463).

MEMBER OF THE TEACHING BOARD OF PhD COURSES

- Since November 2022 – Member of the Teaching Board of the PhD in Geosciences (<https://www.ingeo.unich.it/home-dottorato-in-geoscienze-16536>) at the University “G. d’Annunzio” of Chieti-Pescara (Italy).

TEACHING

- **Academic Year 2024/2025** – Courses in the Bachelor and Master Degrees in Geological Sciences at the University “G. d’Annunzio” of Chieti-Pescara (Italy)
 - *ADVANCED GIS* – **GE407 (60h - 6 CFU)**;
 - *MORPHOTECTONICS* – **GE406 (60h - 6 CFU)**;
 - *GEOGRAPHIC INFORMATION SYSTEMS (GIS) LABORATORY*– **GE421 (30h-3 CFU)**.
- **Academic Year 2023/2024** – Courses in the Master Degree in Geological Sciences and Technologies of Earth and Planets at the University “G. d’Annunzio” of Chieti-Pescara (Italy)
 - *ADVANCED GIS* – **GE407 (60h - 6 CFU)**;
 - *MORPHOTECTONICS* – **GE406 (60h - 6 CFU)**;

- *ANALYSIS AND INTEGRATION OF GEOLOGICAL AND GEOPHYSICAL DATA - GE422(10h - 1 CFU).*
- **Academic Year 2022/2023 – Courses in the Master Degree in Geological Sciences and Technologies of Earth and Planets at the University “G. d’Annunzio” of Chieti-Pescara (Italy)**
 - *ADVANCED GIS – GE407 (60h - 6 CFU);*
 - *MORPHOTECTONICS – GE406 (60h - 6 CFU).*
- **Academic Year 2021/2022 – Courses in the Master Degree in Geological Sciences and Technologies of Earth and Planets at the University “G. d’Annunzio” of Chieti-Pescara (Italy)**
 - *ADVANCED GIS – GE407 (60h - 6 CFU);*
 - *MORPHOTECTONICS – GE406 (60h - 6 CFU);*
- **Academic Year 2018-2019 – Seminar (1 CFU) within the PhD Course EEH "Earthquake and Environmental Hazard", 34th cycle, at the University “G. d’Annunzio” of Chieti (Italy) - Title: “MORPHOMETRIC EXAMINATION OF TOPOGRAPHY USING ARCGIS AND TOPOTOOLBOX” (DEM analysis and Topographic derivatives; Fluvial network analysis and Active Tectonics).**
- **Academic Year 2017-2018 – Subsidiary teaching (4 CFU) at the University “G. d’Annunzio” of Chieti (Italy) (DiSPUTer) in the course ‘Geological field survey’ – Teacher Prof. F. Brozzetti.**
- **Academic Year 2016-2017 – Subsidiary teaching (4 CFU) at the University “G. d’Annunzio” of Chieti (Italy) (DiSPUTer) in the course ‘Geological field survey’ – Teacher Prof. F. Brozzetti.**

SUPPLEMENTARY TEACHING ACTIVITIES

- **Academic Year 2017-18 – Expert on the subject for the course ‘Regional Tectonics and Seismotectonics’ – Teacher: Prof. Giusy Lavecchia;**
- **Academic Year 2016-17 – Expert on the subject for the course ‘Regional Tectonics and Seismotectonics’ – Teacher Prof. Giusy Lavecchia;**
- **Academic Year 2014-2015 – Expert on the subject for the courses ‘Regional Tectonics (Teacher Prof. Giusy Lavecchia and ‘Geological Field Survey (Teacher Prof. Francesco Brozzetti);**
- **Academic Year 2015-2016 – Expert on the subject for the courses ‘Regional Tectonics (Teacher Prof. Giusy Lavecchia and ‘Geological Field Survey (Teacher Prof. Francesco Brozzetti);**
- **Academic Year 2011-12 – Expert on the subject for the courses ‘Regional Tectonics and Seismotectonics’ (Teacher Prof. Giusy Lavecchia), ‘Seismology and Sismotectonics’ (Teacher e Prof. Giusy Lavecchia) and ‘Structural Geology and Tectonics’ (Teacher Prof. Giusy Lavecchia);**
- **Academic Year 2010-11 – Expert on the subject for the courses ‘Regional Tectonics and Seismotectonics’ (Teacher Prof. Giusy Lavecchia).**

THESIS SUPERVISION

- **November 2022 to present** – PhD Student: Marco Battistelli - PhD Course in Geosciences (38th cycle) - University “G. d’Annunzio” of Chieti (Italy) - *Thesis title: Analysis of the geometric, kinematic and dynamic relationships between active deformation and Quaternary faulting along structures, potentially seismogenic, in key areas of the central Apennines;*
- **2015** – Student: Dario Angiolilli – Bachelor Degree at the University “G. d’Annunzio” of Chieti (Italy). *Thesis title: Rilevamento geologico della dorsale carbonatica di Pesche-Carpinone e dell’alta valle del fiume Carpino (Isernia)*, Tutor: Prof. Francesco Brozzetti; co-Tutor: Federica Ferrarini, PhD;
- **2011** - Student: Alessandro Verdecchia – Bachelor Degree at University “G. d’Annunzio” of Chieti (Italy) - *Thesis title: “Ricostruzione di strutture profonde nell’area colpita dal sisma aquilano del 6 aprile 2009”*, Tutor: Prof. Paolo Boncio; co-Tutor: Federica Ferrarini, PhD.

INSTITUTIONAL ROLES AND RESPONSIBILITIES at the University “G. d’Annunzio” of Chieti-Pescara (Italy)

- **since March 2025** – Member of the CIA (“G. d’Annunzio” University IT Committee - <https://cia.unich.it/home-cinfo-19574>);
- **September 2022** - Member of the Examination Committee for the PhD in “Geosciences”, 38th cycle;
- **since 22/05/2022 (for 3 years)** – Scientific coordinator for the “G. d’Annunzio” University of the Agreement between the National Institute of Geophysics and Volcanology & “G. d’Annunzio” University of Chieti – Pescara, aimed at funding a PhD research project on the “*Analysis of Geometric, Kinematic, and Dynamic relationships between active deformation and Quaternary faulting for poorly-known and potentially seismogenic structures in key areas of central Apennines (Italy)*”;
- **from 2022 to 2024** – Member of the Master Degree Quality Assurance Group – LM74 (Master Degree in Geological Sciences and Technologies of Earth and Planets);
- **from 2019 to 2023** – (PI) of the *Memorandum of Understanding (MOU)* between the University “G. d’Annunzio” of Chieti-Pescara (Italy) and Arizona State University (Tempe, AZ, USA) aimed to 1) Establish educational relationships, 2) Develop collaborative relationships among faculty and academic staff, 3) Jointly host synergistic activities including workshops and conferences on the geology and seismotectonics of areas of common interest;
- **since 2016** - Responsible for the Academic Secretary of the CRUST – Interuniversity Center for 3D Seismotectonics with territorial applications (<https://www.crust.unich.it/>).

RESEARCH FELLOWSHIPS AND OTHER WORKING POSITIONS IN NATIONAL/INTERNATIONAL ACADEMIC AND RESEARCH INSTITUTIONS

- **from 10/01/2018 to 10/01/2020** – Research Fellowship at the Arizona State University (Supervisor Prof. J Ramón Arrowsmith) - SESE (School of Space Exploration), Tempe, Az, USA. Outgoing phase nell’ambito del progetto di ricerca COLOSSEO - Seismogenic COMpression in southern Italy? – High-resolution topography (Lidar) and mOrphotectonic analySis to test the active nature of the Southern ApenninE Outer thrust front (<https://cordis.europa.eu/project/id/795396>). H2020-MSCA-IF-2017, Marie Skłodowska-Curie Actions, Founding Scheme: MSCA-IF-GF (Global Fellowships). Grant Agreement n°795396. *Host Institution:* University “G. d’Annunzio” of Chieti Pescara (Italy) - *Partner Organization:* Arizona State University, Tempe, AZ, USA;

- **from 06/01/2016 to 30/09/2018** – Research Fellowship on the project titled: *"Structural-geological analysis and 3D seismotectonics aimed at seismic hazard targets"* - University "G. d'Annunzio" of Chieti-Pescara (Italy). Supervisor: Prof. Giusy Lavecchia;
- **from 02/01/2015 to 02/01/2016** – Scholarship on the project titled *"Analisi della tettonica estensionale finalizzata alla ricostruzione del quadro sismotettonico nell'Appennino molisano e nella zona di raccordo con l'Abruzzo meridionale"*. University "G. d'Annunzio" of Chieti-Pescara (Italy). Supervisor: Prof. Giusy Lavecchia;
- **from 02/01/2014 to 01/01/2015** – Scholarship funded by the (Italian) National Research Council (<http://atlante.igg.cnr.it/>) for the project 'GEOTHERMIC ATLAS'– Title: *"Geothermal resources characterization in the Abruzzo and Molise regions"*. University "G. d'Annunzio" of Chieti-Pescara (Italy). Supervisor: Prof. Giusy Lavecchia;
- **from 04/01/2012 to 10/19/2013** - Research Fellowship on the project titled: *"3-D definition of potentially active faults in the epicentral area of the L'Aquila 2009 earthquake"*. University "G. d'Annunzio" of Chieti-Pescara (Italy). Supervisor: Prof. Giusy Lavecchia;
- **from 10/07/2009 to 07/07/2010** – fixed-term contract at Earth Science Dept.- University "G. d'Annunzio" of Chieti-Pescara (Italy) for *"Vector and raster database building in GIS environment of existing maps and geological records, and reference management"*. Tutor: prof.ssa Giusy Lavecchia;
- **from 05/14/2009 to 10/14/2009** – fixed-term contract at 'University of Studies of Molise' (DISTAT, Isernia, Italy) for collaboration in research activities related to the fulfilment of the Campobasso Geological Sheet n°405 - CARG project - Geological and geo-thematic cartography at scale 1:50.000. Tutor: Prof. Carmen Rosskopf.

INVITED SPEAKER

- **March 2019** – Arizona State University, Tempe, AZ (USA) – *Presentation title: "The extensional deformation style in Italy: Examples from Central-Southern Apennines"*;
- **December 2016** – National Institute of Geophysics and Volcanology (INGV – L'Aquila). *Presentation title: The North Matese fault system (central Italy)"*;
- **June 2012** – "Jaume Almera" Institute of Earth Sciences (ICTJA-CSIC). *Presentation title: From surface geology to aftershock analysis: constraints on the geometry of the L'Aquila 2009 seismogenic fault system.*

ATTENDANCE TO NATIONAL/INTERNATIONAL CONGRESSES AS PRESENTING AUTHOR

- **Federica Ferrarini**, J Ramón Arrowsmith, Rita de Nardis, Francesco Brozzetti, Daniele Cirillo, Kellin X Whipple, and Giusy Lavecchia (2022). Boosting detection of active tectonics with multi-source data and integrated methods: recent outcomes from the Apennines. <https://doi.org/10.5194/egusphere-egu22-3646>;
- **Ferrarini F.**, Arrowsmith J R., Brozzetti F., Cirillo. D., de Nardis R., Lavecchia G. (2019). Late-Quaternary tectonics along the peri-adriatic belt of central Italy: possible evidence of active shortening from topography, fluvial network analysis, and landscape evolution. Geological Society of America Abstracts, Vol. 51, No. 5, ISSN 0016-7592 doi: 10.1130/abs/2019AM-338495, Phoenix, Sept. 22-25, 2019;
- **Federica Ferrarini**, J Ramón Arrowsmith, Francesco Brozzetti, Rita de Nardis, Daniele Cirillo, Giusy Lavecchia (2019). Seismogenic compression in southern Italy? Morphotectonic analysis to detect possible evidence of Late Quaternary tectonics along the Southern Apennine

- Outer Front. SCEC Contribution #9738, Annual Meeting of the Southern California Earthquake Center, September 8-11, 2019, Palm Springs (CA);
- **Ferrarini F.**, Arrowsmith J R., Lavecchia G. (2019). Testing Late Quaternary tectonics in low-rate contractional settings – preliminary outcomes from fluvial network analysis along the Southern Apennine Outer compressional Front (SAOF). Workshop CRUST in Memory of G. Pialli, Perugia, July 9-10, 2019;
 - **F. Ferrarini**, G.Lavecchia, R. Arrowsmith, R. de Nardis, F. Brozzetti & D. Cirillo (2018). Integrated morphometric and 3D-structural analysis to detect subtle evidence of active faulting in the central Italy extensional environment. 20th EGU Gen. Ass, Vol. 20, EGU2018-16260;
 - **F. Ferrarini**, G.Lavecchia, R. de Nardis, R. Arrowsmith, F. Brozzetti & D. Cirillo (2018). Multiple line of evidence for a new seismogenic fault north-east of the Mt Vettore fault (central Italy) – an unexpected outcome of the Norcia 2016-2017 seismic sequence. SIMP-SGI Congress, Catania, September 2018;
 - **F. Ferrarini**, G.Lavecchia, R. de Nardis, R. Arrowsmith, F. Brozzetti & D. Cirillo (2017, 08). Exploring new seismic hazard scenarios in central Italy: hints about a previously unknown active normal fault highlighted by the Norcia 2016 (Mw 6.5) seismic sequence. SCEC Annual Meeting;
 - **F. Ferrarini**, G. Lavecchia, P. Boncio, R. de Nardis, G. Pappone, M. Cesarano, P.P.C. Aucelli (2016). Inherited fault system control on seismogenic activity: the North Matese case (Molise, Italy). *Rend. Online Soc. Geol. It.*, Suppl. 1, Vol. 40, 215, doi: 10.3301/ROL.2016.79;
 - **Ferrarini F.**, Lavecchia G., Boncio P., de Nardis R., Pappone G., Cesarano M., Aucelli P.P.C. (2015). Clues of structural inheritance and localised reactivation along a Quaternary active normal fault system (Molise, Central Italy). Annual Meeting of GIGS (Italian Structural Geol. Group), Milan, *Rend. Online Soc. Geol. It.*, Suppl. n. 1, Vol. 36, p. 37;
 - **F. Ferrarini**, G. Lavecchia and R. de Nardis (2013). Active stress from earthquakes and field geology: data analysis from L'Aquila 2009-2012 seismic sequence (Abruzzo, central Italy). Proceedings of the 40th Workshop of the International School of Geophysics Properties and Processes of Crustal Fault Zones, Erice, Sicilia.

SHORT COURSES ATTENDED

- Short Course in “Topographic Analysis Kit (TAK) for Topotoolbox” (511) – Adam Forte & Kelin X Whipple – GSA Annual Congress, Phoenix, AZ (USA), September 22-25, 2019
- Short Course in “Advancing understanding of geomorphology with topographic analysis emphasizing high-resolution topography” – June 12-15, 2017 – Teachers: R. Arrowsmith, W. Schwanghart, C. Crosby, B. Bookhagen, University of Potsdam, Institute of Earth and Environmental Sciences, Potsdam (Germany);
- Short Course in “Geostatistics for the Environment and the Territory – introduction to the geostatistics with ArcGIS Geostatistical Analyst, November 11-12 2013 – Teacher: S. Trevisani - C.I.R.G.E.O. & University of Padua - Agripolis – Legnaro, Padua (Italy);
- Course on “Geographic Information System and Technological Innovation (50 h), February-April 2009 – Teacher: Dr. Geol. M. Pilone, Pescara (Italy);
- Course on “Seismic Microzonation” – University “G. d’Annunzio” of Chieti & Order of Geologists of the Abruzzo Region & University of Studies of L’Aquila – June 08-13, 2009, Chieti (Italy).

AFFILIATIONS

- INGV – National Institute of Geophysics and Volcanology (Section Rome) – since 2024/02/15;
- CNR – IGG CNR (Pisa) – 2014 and 2015;
- GIGS – since 2016;
- SGI – since 2016;
- EGU – European Geophysical Union – since 12/04/2017 (ID: 394480);
- GSA – Geological Society of America – from 13/08/2019 to 2021 (Member ID: 9269290).

April 2nd, 2025

Federica Ferrarini

A handwritten signature in black ink, reading "Federica Ferrarini". The signature is written in a cursive style with a large initial 'F'.