

**Date and place of birth:** 8-9-1973, Atri (Te) (Italy)

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**Home Address:**

Via dei Martiri Angolani 7,  
65123 Pescara, Italy

**Work Address:**

Università "G. d'Annunzio" Chieti-Pescara,  
Dipartimento di Ingegneria e Geologia,  
Viale Pindaro 42 - 65127 Pescara, Italy;  
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**Languages:** Italian, English.

**Co-founder Spin-Off SHAKing srl** ([shaking-srl.it](http://shaking-srl.it))

**Education:**

• **2001: Ph.D. in Tectonics and Structural Geology (10/12/2001)**

*Seismogenic sources in central Apennines: definition and application to seismic hazard estimates.*

XIV ciclo, Università degli Studi di Camerino, Italy

• **1998: Master's Degree in Geological Sciences (26/03/1998) 110/110 cum laude**

*Geological survey and structural analysis of the Monte Marsicano-Monte Mattone area: extensional tectonics and seismotectonic analysis.*

Università "G. d'Annunzio" Chieti-Pescara, Italy

**Work Positions:**

• **2025-present Full Professor of Solid Earth Geophysics**

Università "G. d'Annunzio" Chieti-Pescara, Italy

• **2019-2025 Associate Professor of Solid Earth Geophysics**

Università "G. d'Annunzio" Chieti-Pescara, Italy

• **2012-2019 University Researcher of Solid Earth Geophysics**

Università "G. d'Annunzio" Chieti-Pescara, Italy

• **2006-2012 University Researcher of Structural Geology**

Università "G. d'Annunzio" Chieti-Pescara, Italy

• **2003-2005 PostDoc Researcher**

Università "G. d'Annunzio" Chieti-Pescara, Italy

• **2002 Visiting Scientist**

Institute of Geological and Nuclear Sciences, Lower Hutt, New Zealand

## **ACADEMIC TEACHING:**

### **Professor for various courses including:**

- Structural Analysis Laboratory.
- Seismotectonics, Seismogenesis and Risk.
- Earthquake Seismology and Risk.
- Seismic Hazard and Risk (today) (Master's level for Geological Science and for Civil Engineering).
- Seismology (today) (Bachelor's and Master's levels for Geological Science).

### **PhD Program Activities:**

- **Member of the Academic Board** of the PhD course in "Geology and Evolution of the Lithosphere," University "G. d'Annunzio" Chieti-Pescara (2006 2009);
- **Member of the Academic Board** of the PhD course in "Sciences," University "G. d'Annunzio" Chieti-Pescara (2010 2015);
- **Member of the Academic Board** of the PhD course in "Earthquake and Environmental Hazards - EEH," University "G. d'Annunzio" Chieti-Pescara (2017 2021);
- **Member of the Academic Board** of the PhD course in "Engineering, Earth and Planetary Sciences," University "G. d'Annunzio" Chieti-Pescara (2021 2022);
- **Member of the Academic Board** of the National PhD course in "Defence against natural risks and ecological transition of built environment," University of Catania (2021 2025);
- **Member of the Academic Board** of the PhD course in "Engineering, Science," University "G. d'Annunzio" Chieti-Pescara (2022 present).

### **Tutoring and Supervision Activities:**

- **Supervisor** of numerous Master's Theses (LM74) in "Geological Survey and Structural Geology," "Seismotectonics," "Seismic Risk Perception," "Seismic Hazard," and "Seismology," University "G. d'Annunzio" Chieti-Pescara, Italy (2006 present);
- **Research Fellowship Supervisor** (Francesco Visini) for the project: "A dynamic experimental model to evaluate the seismic hazard" (2008 2010);
- **Post-Doc Scholarship Supervisor** (Francesco Visini) for the project: "Elaboration of advanced models to study the seismic hazard" (2010 2011);
- **PhD Thesis Supervisor** (Davide D'Amato): "Surfaces dating through terrestrial in situ cosmogenic nuclides to determinate the slip-rate of active faults to improve large earthquake occurrence" (2009 2014);
- **PhD Project Supervisor** (Alessandro Valentini): "Fault-based probabilistic seismic hazard analysis for Italy" (2016 2019);
- **Research Fellowship Supervisor** (Alessandro Valentini) for the project: "Definition of design earthquakes from seismic hazard models based on individual seismogenetic sources" (2019 2020);

- **Post-Doc Scholarship Supervisor** (Octavi Gomez-Novell) for the project: “An automatic approach to estimate paleoearthquake occurrences from paleoseismic fault records” (2022);
- **PhD Project Supervisor** (Hugo Fernandez): “Seismic potential of active and capable faults nearby energy-industry infrastructures in Southern Italy: collection, analysis and representation tools of multidisciplinary datasets” (2023 present);
- **PhD Project Supervisor** (Khatereh Saghatforoush): “Modelling synthetic catalogues of earthquake ruptures in complex interacting fault systems” (2023 present);
- **PhD Project Supervisor** (Julian Santiago Montejo Espitia): “Assessment of the impact of advanced seismic hazard modelling approaches in earthquake risk” (2023 present);
- **Post-Doc Scholarship Supervisor** (Selina Bonini) for the project: “Integration of structural and kinematic data for the probabilistic assessment of surface faulting hazard” (2026 present).

### **MANAGEMENT, ORGANISATIONAL AND SERVICE ACTIVITIES:**

- **Member of the Committee** for the drafting of the new University Statute, University “G. d’Annunzio” Chieti-Pescara (2011 2012);
- **Erasmus Project Delegate** for the Faculty of Mathematical, Physical, and Natural Sciences, University “G. d’Annunzio” Chieti-Pescara (2010 2013);
- **DPC-INGV Seismological Projects 2012-2013:** Member of the Programming Committee for Seismological Themes (INGV Decree n.286 23/5/2012; 3-year term), 2012 2014;
- **Member of the Selection Committee** for a fixed-term researcher position (RTD-A), Sector 04/A4 Geophysics (GEO/10 and GEO/11), University of Perugia (2014);
- **Member of the Examining Board** for the final PhD exam in Earth Sciences, University of Naples “Federico II” (April 30, 2015);
- **Member of the International Examining Board** for the final PhD exam in “Géosciences de l’environnement” (Candidate: Jim Tesson), Aix-Marseille Université, France (March 3, 2017);
- **Member of an International Committee** for the supervision of PhD research at the Institut de Radioprotection et de Sûreté Nucléaire (IRSN) and the École Normale Supérieure (ENS), Paris, France (2016 2019);
- **Elected Member of the Department Board** (DiSPUTer), University “G. d’Annunzio” Chieti-Pescara (2018 2019);
- **Elected Member of the Academic Senate**, University “G. d’Annunzio” Chieti-Pescara (Rectoral Decree n.897 of 28/03/2018), 2018 2019;
- **Member of the Technical Monitoring Table** for Seismic Microzonation studies of the Abruzzo Region (2021 present);
- **Member of the Examining Board** for the final PhD exam in Earth Sciences, University of Pisa (March 2, 2022);
- **Thesis Reviewer** for the final PhD exam in Earth Sciences, University of Naples “Federico II” (2022);
- **Rector’s Delegate** and member of the Joint Steering Committee within the Framework Agreement between the National Institute of Geophysics and Volcanology (INGV) and the University “G. d’Annunzio” Chieti-Pescara (2021 present);
- **Member of the Research Quality Assurance Group**, Department of Engineering and Geology, University “G. d’Annunzio” Chieti-Pescara (2022 2023);

- **Member of the International Examining Board** for the final PhD exam in “Sciences Fondamentales et Appliquées” (Candidate: Tiziano Giampietro), Côte d’Azur Université, France (December 20, 2023);
- **Department Quality Assurance Representative (ReAQD)**, Department of Engineering and Geology, University “G. d’Annunzio” Chieti-Pescara (2023-2025);
- **Member of the Group of Evaluation Experts (GEV)** for Area 04, Earth Sciences (GEV04), 2024 present;
- **Rector’s Delegate for Research (DR 1378/2025)**, University “G. d’Annunzio” Chieti-Pescara (2025 present).

## **RESEARCH ACTIVITY:**

### **Main Research Interests:**

Tectonics and Structural Geology, Seismology, Seismic Hazard, Active Tectonics, Seismotectonics, Paleoseismology, Earthquake Geology, and Seismic Risk.

### **Selected Scientific Projects:**

- **TREAD Project (2024-2027)**: Project Coordinator for the Horizon Europe MSCA-DN project "data and processes in seismic hazard" ([tread-horizon.eu](http://tread-horizon.eu), funding: 2.6 M€).
- **MPS16 Project (2015-2019)**: Coordinator of the "Seismicity Models" group for the New Seismic Hazard Model for Italy.
- **Earthquakes for Kids (2011)**: Scientific Responsible for the project funded by the Ministry of Education.
- **Project Partner** in various international initiatives (UNESCO, ANR France, NERC UK, Labex France).

### **Convener of the following scientific session in National and International Conferences:**

- “Seismic hazard modelling”: 86° Congresso Nazionale della Società Geologica Italiana - Arcavacata di Rende (Italy) 18-20 September 2012.
- “Seismic hazard: state of the art and open issues”: FIST-Geoitalia 2013, IX Forum di Scienze della Terra - Pisa (Italy) 16-18 September 2013.
- “Fault2SHA: a European working group to link faults and probabilistic seismic hazard assessment communities in Europe” - 35° European Seismological Commission General Assembly - Trieste (Italy) 4-10 September 2016.
- “Fault2SHA: common practices and new hints towards physics-based and testable PSHA” - EGU General Assembly 2016 - Wien (Austria) 17-22 April 2016.
- “Fault2SHA: so what?” - 36° European Seismological Commission General Assembly - La Valletta (Malta) 2-7 September 2018.
- “Pericolosità sismica da terremoti e maremoti” - 38° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida - Roma (Italy) 12-14 November 2019.
- “Seismic hazard based on paleoseismicity, active faulting and surface deformation data - the

- challenges of FAULT2SHA” - EGU General Assembly 2020 - 4-8 May 2020 (online).
- “All hands on deck: promoting faults in seismic hazard assessment” - 5th Workshop Fault2SHA - 12-13 November and 2 December 2020 (online).
  - “Seismogenic Faults” - EPOS-IT - Workshop on Earthquake Hazard - 1-3 December 2020 (online).
  - “Pericolosità da terremoti e maremoti” - 39° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida 22-24 June 2021 (online).
  - “The December 2020 earthquake sequence in Petrinja, Croatia, and its seismotectonic and geodynamic environments” - EGU General Assembly 2021 - Wien 19-30 April 2021 (online).
  - “Verso nuove modalità di stima della pericolosità da terremoti e maremoti: dati e procedure” - 40° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida, Trieste (Italy) 27-29 June 2022.
  - “Towards new approaches to estimate earthquake and tsunami hazard: data and procedures” - 41° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida, Bologna (Italy) 7-9 February 2023.
  - “Towards new approaches to estimate earthquake and tsunami hazard: a discussion” - 42° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida, Ferrara (Italy) 14-16 February 2024.
  - “Data and process in seismic hazard: a TREAD-Fault2SHA joint session” - 39° General Assembly of the European Seismological Commission ESC 2024, Corfu, Greece, 22-27 September 2024.
  - “Earthquake and tsunami hazard: different return periods, different conceptual schemes and models in a continuum spectrum of time” - 43° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida, Bologna (Italy) 11-14 February 2025.
  - “Testing, Testing 1 2 3: Appropriate Evaluation of New Seismic Hazard and Risk Models” - Annual Meeting of the Seismological Society of America SSA 2025, Baltimore, USA. 14-18 April 2025.
  - “Earthquake and tsunami hazard: different return periods, different conceptual schemes and models in a continuum spectrum of time” - 44° Convegno Nazionale del GNGTS - Gruppo Nazionale di Geofisica della Terra Solida, Udine (Italy) 10-13 February 2026.

### **Main scientific papers:**

1. **Pace B.**, Di Matteo P., Boncio P. & Lavecchia G. (2001) *Considerazioni sull'evoluzione geologica della Marsica Sud-Orientale (Abruzzo, Appennino centrale) sulla base di un'analisi integrata di dati stratigrafici e strutturali*. Bollettino della Società Geologica Italiana, Vol.120, 139-150.
2. **Pace B.**, Boncio P. & Lavecchia G. (2002) *The 1984 Abruzzo earthquake (Italy): an example of seismogenic process controlled by interaction between differently-oriented synkinematic faults*. Tectonophysics, Vol.350/3, 237-254.
3. **Pace B.**, Peruzza L., Lavecchia G. & Boncio P. (2002) *Seismogenic sources in central Italy: from causes to effects*. Memorie della Società Geologica Italiana, Vol. 57, 419-429.
4. Peruzza L. & **Pace B.** (2002) - *Sensitivity analysis for seismic source characteristics to probabilistic seismic hazard assessment in central Apennines (Abruzzo area)*. Bollettino di Geofisica Teorica ed Applicata, Vol. 43, 79-100.

5. Perea H., Figueiredo P.M., Career J., Gambini S., Boydell K., Albini P., Alfaro P., Amores R., Arrowsmith R., Atakan K., Bavec M., Berryman K., Duman T.Y., Feghhi K., Ferry M., Fontana A., Gountromichou C., Hus R., Insua J.M., Julià R., Martín E., Masana E., Meghraoui M., Mouslopoulou V., **Pace B.**, Palyvos N., Pantosti D., Peters G., Pucci S., Radulov A., Sánchez-Cabañero J., Santanach P., Seitz G., Shaked Y., Tsoukala D. & Ucarukus G. (2003) - *Paleoseismological data from a new trench across the El Camp Fault (Catalan Coastal Ranges, NE Iberian Peninsula)*. *Annals of Geophysics*, Vol. 46-5, 763-774.
6. Boncio P., Lavecchia G. & **Pace B.** (2004) *Defining a model of 3D seismogenic sources for seismic hazard assessment applications: the case of Central Apennines (Italy)*. *Journal of Seismology*, Vol. 8, 407-425.
7. **Pace B.**, Stirling M., Litchfield N. & Riser U. (2005) - *New active fault data and seismic hazard estimates for West Otago, New Zealand*. *New Zealand Journal of Geology and Geophysics*, Vol. 48(1), 75-83.
8. **Pace B.**, Peruzza L., Lavecchia G. & Boncio P. (2006) *Layered seismogenic source modelling and probabilistic seismic hazard analysis in Central Italy*: *Bulletin of the Seismological Society of America*, Vol. 96(1), 107-132.
9. Peruzza L., **Pace B.**, Lavecchia G. & Boncio P. (2007) - *Reply to "Comment on 'Layered Seismogenic Source Model and Probabilistic Seismic-Hazard Analyses in Central Italy' by B. Pace, L. Peruzza, G. Lavecchia, and P. Boncio," by W. Marzocchi*. *Bulletin of the Seismological Society of America*, Vol. 97(5), 1766-1768.
10. **Pace B.**, Boncio P., Brozzetti F. Lavecchia G. & Visini F. (2008) *From regional seismic hazard to "project earthquakes" for seismic microzoning: a new methodological tool for the Celano project*. *Soil Dynamics and Earthquake Engineering*, Vol. 28(10-11), 866-874.
11. Brozzetti F., Boncio P., Lavecchia G. & **Pace B.** (2009) *Present activity and seismogenic potential of a low-angle normal fault system in central Italy (Città di Castello-Sansepolcro area): constraints from surface geology, seismic reflection data and seismicity*: *Tectonophysics*, Vol. 463, 31-46.
12. Visini F., **Pace B.** & Boncio P. (2010) - *Extensional rate budgeting: constraints from geological and seismological data in central Italy*. *Trabajos de Geología*, Vol. 30, ISSN: 0474-9588.
13. D'Amato D., Cabral J., **Pace B.** & Figueiredo P. (2010) - *The Vale de Santarém Neogene trough in the seismotectonics framework of the Lower Tagus Valley (Portugal)*. *Trabajos de Geología*, Vol. 29, ISSN: 0474-9588.
14. Peruzza L., **Pace B.** & Cavallini F. (2010) - *Error propagation in time-dependent probability of occurrence for characteristic earthquakes in Italy*: *Journal of Seismology*, Vol. 14-1, 119-141.
15. **Pace B.**, Peruzza L. & Visini F. (2010) - *LASSCI2009.2: Layered Earthquake Rupture Forecast model for central Italy submitted to CSEP project*. *Annals of Geophysics*, 53(3), doi: 10.4401/ag-4847.
16. de Nardis R., Garbin M., Lavecchia G., **Pace B.**, Peruzza L., Priolo E., Romanelli M., Romano M. A., Visini F., Vuan A. (2011) - *A temporary seismic monitoring of the Sulmona area (Abruzzo, Italy) for seismotectonic purposes*. *Bollettino di Geofisica Teorica ed Applicata*, vol. 52, p. 651-666, ISSN: 0006-6729.
17. **Pace B.**, Albarello D., Boncio P., Dolce M., Galli P., Messina P., Peruzza L., Sabetta F., Sanò T. & Visini F. (2011) - *Predicted Ground Motion after the L'Aquila 2009 earthquake (Italy; Mw6.3): input spectra for Seismic Microzoning*. *Bulletin of Earthquake Engineering*, DOI 10.1007/s10518-010-9238-y
18. Peruzza L., **Pace B.** & Visini F. (2011) - *Fault-based earthquake rupture forecast in Central Italy*:

- remarks after the L'Aquila Mw 6.3 event. *Bulletin of the Seismological Society of America*, 101(1), 404-412.
19. D'Amato D., Di Nicola L., **Pace B.**, Visini F. & Azzaro R. (2012) - *Cosmogenic He exposure dating as a tool to calculate slip rates: Example from the Pernicana fault system (Mt. Etna)*. *Rendiconti Società Geologica Italiana*, 21, 324-326.
  20. Visini F. & **Pace B.** (2014) - *Insights on a key parameter of earthquake forecasting, the coefficient of variation of the recurrence time, using a simple earthquake simulator*. *Seismological Research Letters*, 85(3), 703-713.
  21. **Pace B.**, Boncio P. & Bocchini G.M. (2014) - *Do static stress changes of a moderate-magnitude earthquake significantly modify the regional seismic hazard? Hints from the L'Aquila 2009 normal-faulting earthquake (Mw 6.3, central Italy)*. *Terra Nova*, 26, 430-439.
  22. **Pace B.**, Visini F. & Peruzza L. (2016) - *FiSH: Matlab tools to turn fault data into seismic-hazard models*. *Seismological Research Letters*, 87(2A), 374-386.
  23. Tesson J., **Pace B.**, Benedetti L., Visini F., Delle Roccioli M., & ASTER Team (2016) - *Seismic slip history of the Pizzalto fault (Central Apennines, Italy) using in situ-produced <sup>36</sup>Cl cosmic ray exposure dating and rare earth element concentrations*. *Journal of Geophysical Research - Solid Earth*, 121, 1983-2003.
  24. Peruzza L., Gee R., **Pace B.**, Roberts G., Scotti O., Visini F., Benedetti L. & Pagani M. (2016) - *PSHA after a strong earthquake: hints for the recovery*. *Annals of Geophysics*, doi: 10.4401/ag-7257.
  25. D'Amato D., **Pace B.**, Di Nicola L., Stuart F.M., Visini F., Azzaro R., Branca S. & Barfod D. (2017) - *Holocene slip variability along the Pernicana fault system (Mt. Etna, Italy): evidence from offset lava flows*. *Geological Society of America Bulletin*, 129(3-4), 304-317.
  26. Azzaro R., Barberi G., D'Amico S., **Pace B.**, Peruzza L. & Tuvè T. (2017) - *When probabilistic seismic hazard climbs volcanoes: the Mt. Etna case, Italy - Part 1: Model components for source parametrization*. *Natural Hazards and Earth System Sciences*, 17, 1981-1998.
  27. Peruzza L., Azzaro R., Gee R., D'Amico S., Langer H., Lombardo G., **Pace B.**, Pagani M., Panzera F., Ordaz M., Suarez M.L. & Tusa G. (2017) - *When probabilistic seismic hazard climbs volcanoes: the Mt. Etna case, Italy - Part 2: Computational implementation and first results*. *Natural Hazards and Earth System Sciences*, 17, 1999-2015.
  28. Valentini A., Visini F. & **Pace B.** (2017) - *Integrating faults and past earthquakes into a probabilistic seismic hazard model for peninsular Italy*. *Natural Hazards and Earth System Sciences*, 17, 2017-2039.
  29. Civico R., Pucci S., Villani F., Pizzimenti L., De Martini P. M., Nappi R., Agosta F., Alessio G., Alfonsi L., Amanti M., Amoroso S., Aringoli D., Auciello E., Azzaro R., Baize S., Bello S., Benedetti L., Bertagnini A., Binda G., Bisson M., Blumetti A. M., Bonadeo L., Boncio P., Bornemann P., Branca S., Braun T., Brozzetti F., Brunori C. A., Burrato P., Caciagli M., Campobasso C., Carafa M., Cinti F. R., Cirillo D., Comerci V., Cucci L., De Ritis R., Deiana G., Del Carlo P., Del Rio L., Delorme A., Di Manna P., Di Naccio D., Falconi L., Falcucci E., Farabollini P., Faure Walker J. P., Ferrarini E., Ferrario M. F., Ferry M., Feuillet N., Fleury J., Fracassi U., Frigerio C., Galluzzo F., Gambillara R., Gaudiosi G., Goodall H., Gori S., Gregory L. C., Guerrieri L., Hailemichael S., Iezzi F., Invernizzi C., Jablonská D., Jacques E., Jomard H., Kastelic V., Klinger Y., Lavecchia G., Leclerc F., Liberi F., Lisi A., Livio F., Lo Sardo L., Malet J. P., Marc O., Mariucci M. T., Materazzi M., Mazzarini F., McCaffrey K. J. W., Michetti A., Mildon Z. K., Montone P., Moro M., Nave R., **Pace B.**, Paggi S., Pagliuca N., Pambianchi G., Pantosti D.,

- Patera A., Pérouse E., Pezzo G., Piccardi L., Pierantoni P. P., Pignone M., Pinzi S., Pistolesi E., Point J., Pozzi A., Proposito M., Puglisi G., Puliti I., Ricci T., Ripamonti L., Rizza M., Roberts G. P., Roncoroni M., Sapia V., Saroli M., Sciarra A., Scotti O., Skupinski G., Smedile A., Tarabusi G., Tarquini S., Terrana S., Tesson J., Tondi E., Valentini A., Vallone R., Van der Woerd J., Vannoli P., Venuti A., Vittori E., Volatili T., Wedmore L. N. J., Wilkinson M. & Zambrano M. (2018) - *Surface ruptures following the 30 October 2016 Mw 6.5 Norcia earthquake, central Italy*: Journal Of Maps, 14, 151-160, doi: 10.1080/17445647.2018.1441756
30. Villani F., Civico R., Pucci S., Pizzimenti L., Nappi R., De Martini P.M., Agosta F., Alessio G., Alfonsi L., Amanti M., Amoroso S., Aringoli D., Auciello E., Azzaro R., Baize S., Bello S., Benedetti L., Bertagnini A., Binda G., Bisson M., Blumetti A. M., Bonadeo L., Boncio P., Bornemann P., Branca S., Braun T., Brozzetti F., Brunori C. A., Burrato P., Caciagli M., Campobasso C., Carafa M., Cinti F. R., Cirillo D., Commerci V., Cucci L., De Ritis R., Deiana G., Del Carlo P., Del Rio L., Delorme A., Di Manna P., Di Naccio D., Falconi L., Falcucci E., Farabollini P., Faure Walker J. P., Ferrarini F., Ferrario M. E., Ferry M., Feuillet N., Fleury J., Fracassi U., Frigerio C., Galluzzo F., Gambillara R., Gaudiosi G., Goodall H., Gori S., Gregory L. C., Guerrieri L., Hailemikael S., Iezzi F., Invernizzi C., Jablonská D., Jacques E., Jomard H., Kastelic V., Klinger Y., Lavecchia G., Leclerc F., Liberi F., Lisi A., Livio F., Lo Sardo L., Malet J. P., Marc O., Mariucci M. T., Materazzi M., Mazzarini F., McCaffrey K. J. W., Michetti A., Mildon Z. K., Montone P., Moro M., Nave R., **Pace B.**, Paggi S., Pagliuca N., Pambianchi G., Pantosti D., Patera A., Pérouse E., Pezzo G., Piccardi L., Pierantoni P. P., Pignone M., Pinzi S., Pistolesi E., Point J., Pozzi A., Proposito M., Puglisi G., Puliti I., Ricci T., Ripamonti L., Rizza M., Roberts G. P., Roncoroni M., Sapia V., Saroli M., Sciarra A., Scotti O., Skupinski G., Smedile A., Tarabusi G., Tarquini S., Terrana S., Tesson J., Tondi E., Valentini A., Vallone R., Van der Woerd J., Vannoli P., Venuti A., Vittori E., Volatili T., Wedmore L. N. J., Wilkinson M. & Zambrano M. (2018) - *A database of the coseismic effects following the 30 October 2016 Norcia earthquake in Central Italy*: Nature Scientific Data, DOI: 10.1038/sdata.2018.49.
31. Perouse E., Benedetti L., Fleury J., Rizza M., Puliti I., Billant J., Van der Woerd J., Feuillet N., Jacques E. & **Pace B.** (2018) - *Coseismic slip vectors of August 24th and October 30th 2016 earthquakes in central Italy: oblique slip and regional kinematics implications*. Tectonics, 37(10), 3760-3781.
32. Verdecchia A., **Pace B.**, Visini F., Scotti O., Peruzza L. & Benedetti L. (2018) - *The role of viscoelastic stress transfer in long-term earthquake cascades: insights after the central Italy 2016-2017 seismic sequence*. Tectonics, 37(10), 3411-3428.
33. Valentini A., **Pace B.**, Boncio P., Visini F., Pagliaroli A. & Pergalani F. (2019) - *Definition of seismic input from fault-based PSHA: remarks after the 2016 central Italy earthquake sequence*. Tectonics, 38(2), 595-620.
34. Visini F., Valentini A., Chartier T., Scotti O. & **Pace B.** (2019) - *Computational tools for relaxing the fault segmentation in probabilistic seismic hazard modelling in complex fault systems*. Pure and Applied Geophysics, DOI: 10.1007/s00024-019-02114-6.
35. Ferranti L., **Pace B.**, Valentini A., Montagna P., Tisnérat-Laborde N., Pons-Branchu E. & Maschio L. (2019) - *Speleoseismological constraints on ground shaking threshold and seismogenic sources in the Pollino range (Calabria, southern Italy)*. Journal of Geophysical Research - Solid Earth, 124(5), 5192-5216.
36. Verdecchia A., Carena S., **Pace B.** & DuRoss C.B. (2019) - *The effect of stress changes on time-dependent earthquake probabilities for the central Wasatch Fault Zone, Utah, USA*. Geophysical

Journal International, 219(2), 1065-1081.

37. Valentini A., Vass B., Oostenbrink J., Csàk L., Kuipers F., **Pace B.**, Hay D. & Tapolcai J. (2019) - *Network resiliency against earthquakes*. Proceedings of 2019 11th International Workshop on Resilient Networks Design and Modeling, RNDM 2019, IEEE, doi: 978-1-7281-4698-0/19/\$31.00.
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To date, Prof. Bruno Pace has presented more than 100 works (oral presentations or posters) at national and international conferences, meetings, and workshops, has published a total of more than 70 peer-reviewed articles, and has delivered invited seminars at national and international institutes and universities.

He has also served as Editor (Guest Editor) of a Special Issue of *Natural Hazards and Earth System Sciences* titled: 'Linking faults to seismic hazard assessment in Europe'. Finally, he is the founder and a member of the Executive Committee of a Working Group of the European Seismological Commission (ESC), named 'Fault2SHA' ([fault2sha.net](http://fault2sha.net)).

CHIETI, March 22nd 2026

Prof. Bruno Pace

A handwritten signature in black ink, appearing to read 'Bruno Pace', written in a cursive style.