

PERSONAL INFORMATION

Tony Alfredo Stabile

Consiglio Nazionale delle Ricerche – Istituto di Metodologie per l'Analisi Ambientale (CNR-IMAA) – Contrada Santa Loya Zona Industriale – 85050 Tito Scalo (PZ), Italy



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Sex | Date of birth | Nationality

Current Position Level III Researcher at CNR-IMAA

RESEARCH INTERESTS

Summary

My research interests mainly concern the study of the physical processes involved in the generation of natural and anthropogenic seismicity, with a particular focus on those governing the space-time evolution of seismic sequences, swarms and repeated earthquakes. I am also interested in the geophysical characterization of the subsurface through the application of multiparametric geophysical analyses as well as the fast processing of seismic data using automatic procedures incorporating machine learning algorithms.

I have been involved in several national and international projects in the research fields of seismology, seismic risk, natural hazards, urban and applied geophysics. I authored 45 international ISI publications in various topics of seismology, geophysics and computer science, and I participated as speaker in different national and international conferences and meetings. I am referee for 24 international journals, member of the editorial board of the journal AIMS Geosciences, Topic Editor of MDPI Sensors and Review Editor of Frontiers in Earth Science.

Currently, I am the PI of the PRIN-MUR project "FRACTURES" (Multiscale study of seismogenic processes in Campania-Lucania Apennines using machine learning algorithms and multiparametric observations). I also was the PI of the SIR-MIUR project "INSIEME" (Induced Seismicity in Italy: Estimation, Monitoring, and seismic risk mitigation) and the AI of the PRIN-MIUR project "Detection and tracking of crustal fluid by multi-parametric methodologies and technologies". I am the responsible of the working group on induced seismicity at CNR-IMAA and of the High Agri Valley geophysical Observatory (HAVO), DOI: <https://doi.org/10.7914/SN/VD>.

Bibliometric Indicators

SCOPUS: h-index 18, citations 1219, documents 60

WOS: h-index 17, citations 1098, documents 56

Google Scholar: h-index 20, citations 1608, i10-index 36

WORK EXPERIENCE

From 23/09/2015 to today

Researcher

CNR-IMAA, Istituto di Metodologie per l'Analisi Ambientale, C.da S. Loja, 85050, Tito Scalo (PZ), Italy

- Research activity in induced seismicity, earthquake engineering, seismology, urban and applied geophysics, computer science, seismic network, and ground-based remote sensing
- Professor of Seismology at the University of Basilicata since 2020
- Supervisor of 2 post-graduate fellows, 3 postdoctoral fellows, 1 ERASMUS+ student
- Co-supervisor of 1 PhD student (with UNIBAS)

From 01/07/2011 to 22/09/2015

Post-doctoral fellow

CNR-IMAA, Istituto di Metodologie per l'Analisi Ambientale, C.da S. Loja, 85050, Tito Scalo (PZ), Italy

- Research activity in "Methods and techniques for the analysis and inversion of geophysical data in areas with high seismic and hydrogeological risk"
- Research activity at "Osservatorio Ambientale della Val d'Agri" in "System for the study of local seismicity"
- Co-supervisor of 1 Master's degree student in Physics (with UNINA)

From 15/10/2008 to 30/06/2011

Contract Researcher

AMRA scarl – Via Nuova Agnano, 80125, Naples, Italy

- Analysis and monitoring of the environmental risk; seismic network management; research in seismology, seismic risk, and seismic early warning

From 17/05/2010 to 16/10/2010

From 19/05/2008 to 18/07/2008

Contract Technician – software development

INGV, Osservatorio Vesuviano – 328, Via Diodeziano, 80124, Naples, Italy

- Development of high-frequency synthetic seismogram algorithms

From 01/10/2008 to 31/12/2008

From 01/03/2008 to 31/08/2008

Contract Researcher

Università degli Studi di Napoli Federico II – Via Cinthia, 80126, Naples, Italy

- Research activity in the development of a tridimensional and stereoscopic sonar working at 500 kHz

EDUCATION AND TRAINING

06/04/2018

Italian national scientific qualification as associate professor

04/A4 (Geophysics)

29/03/2018

Italian national scientific qualification as associate professor

02/C1-FIS06

30/06/2008

PhD in Geophysics

ALMA MATER STUDIORUM Università di Bologna – 33, Via Zamboni, 40126, Bologna, Italy

- Geophysical fluid dynamics, partial derivative equations applied in geophysics, quantitative geodynamics, inverse problems in geophysics, methods for the estimation and analysis of the strain field, statistics and data analysis, physics of volcanism, geomagnetism, paleomagnetism, magnetic and electric tomography, seismic sources
- Thesis title: "High frequency seismic and underwater acoustic wave propagation and imaging techniques"

13/10/2004

Laurea Degree in Physics

110/110 cum laude

Università degli Studi di Napoli Federico II – Via Cinthia, 80126, Naples, Italy

- Physics, Mathematics, Seismology, Applied geophysics, Computer Science, Electronics, Chemistry
- Thesis title: "Tecniche avanzate per la trasmissione dei dati in ambiente marino per via acustica ad alta frequenza"

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C2	B2	B2	C1

Replace with language

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Job-related skills

Earthquake location and source parameters estimation. Seismic data analysis in time and frequency domain. Development of statistical and physical methodologies for the analysis and characterization of natural and anthropogenic seismicity. Quality check and management of seismic big data. Advanced experience in the design, installation and management of seismic monitoring networks. Technical skills on extraction, formatting, organization and usability of geophysical data. Experience in geophysical measurement campaigns (Electric Resistivity Tomography, ground radar interferometry, magnetotelluric measurements, seismic ambient noise measurements, accelerometric measurements on buildings, temporary seismic networks and arrays).

Computer skills

Advanced knowledge of Windows, Linux and Mac OS operating systems. Application and development of software for geophysical data analysis and processing, and for the modelling of the seismic wavefield in heterogeneous media. Advanced knowledge of programs for graphics and

audio/video editing. Programming in Bash, Fortran, Matlab, C, R, Python, Html, PHP and LaTeX.

Driving licence B

INSTITUTIONAL RESPONSIBILITIES

- 2022-today Member of the CNR-IMAA Institute Council
- 2016-today Responsible of the High Agri Valley geophysical Observatory (HAVO), <https://doi.org/10.7914/SN/VD> (formerly INSIEME network, <https://doi.org/10.7914/SN/3F> 2016)
- 2015-today Responsible of the working group on induced seismicity at CNR-IMAA
- 2016-2017 Member of the CNR-IMAA working group for providing technical and scientific support to the National Civil Protection and the Microzonation Seismic Center during the seismic emergency phase of 2016 central Italy earthquakes
- 2013-2015 Member of the Scientific Committee on Induced Seismicity for the Italian Ministry of the Environment

NATIONAL AND INTERNATIONAL GRANTS (as PI or AI)

- 2023-2025 Principal Investigator (PI) of the project PRIN-MUR "Multiscale study of seismogenic processes in Campania-Lucania Apennines using machine learning algorithms and multiparametric observations (FRACTURES)", Grant n. 2022BEKFN2, CNR budget: € 152.000
- 2019-2023 Associate Investigator (AI) of the project PRIN-MIUR "Detection and tracking of crustal fluid by multiparametric methodologies and technologies", Grant n. 20174X3P29, CNR budget: € 305.800
- 2018-2021 Bilateral agreement between Italy and Egypt CNR/ASRT project "Study of active faults related to triggering processes of natural and anthropogenic seismicity in the Aswan area (Egypt)" (mobility research programme), budget € 10.000
- 2015-2016 Principal Investigator (PI) of the project SIR-MIUR "INSIEME - INduced Seismicity in Italy: Estimation, Monitoring, and sEismic risk mitigation", Grant n. RBSI14MN31, budget: € 548.310

TEACHING ACTIVITY

- 2020-today Professor of Seismology at the University of Basilicata
- 2017-today Seminars in Italian and in English for: University of Messina, University of Ferrara, University of Salerno, and Charles University of Prague
- 2018-2020 Teaching fellow in Physics at the University of Basilicata
- 2015-2020 Integrative teaching activities and tutoring services in Physics at the University of Basilicata

ORGANIZATION OF SCIENTIFIC MEETINGS (in the last 10 years)

- 2023 Convenor of the session "SM6.1 Advances in monitoring and studying the presence and migration of fluids within the crust using multi-disciplinary approaches", EGU-2023 General Assembly
- 2021 Convenor of the session "S32 Induced seismicity: observations, modelling, monitoring, discrimination and risk management strategies", ESC-2021 37th General Assembly
- 2020 Convenor of the session "SM6.1 Tectonic and volcanic earthquake swarms: From a multi-disciplinary imaging and tracking of crustal fluids to characterization of transient forcing", EGU 2020 General Assembly
- 2018 Convenor of the session "S32 Induced and triggered seismicity: observations, modelling, monitoring, discrimination and risk management strategies (Joint ESC / SSA)", ESC-2018 36th General Assembly"
- 2013-2016 Organization of 5 Italian scientific meetings in the framework of activities at the Osservatorio Ambientale della Val d'Agri: 1) Ciclo di incontri scientifici - Tema: Sismicità indotta; 2) Le attività di ricerca del CNR-IMAA nell'ambito dell'Osservatorio Ambientale della Val d'Agri: presentazione dei risultati ottenuti; 3) Telerilevamento satellitare per lo studio del gas flaring: stato dell'arte e prospettive future; 4) L'impatto ambientale della reiniezione dei fluidi nel sottosuolo: il ruolo delle metodologie geochimiche e geofisiche; 5) Metodi e tecnologie innovative per la mitigazione del Rischio Sismico.

FURTHER INFORMATION

National and international acknowledgments

2021/05/28. Invited speaker at the AGU workshop on “Bringing Land, Ocean, Atmosphere and Ionosphere Data to the Community for Hazard Alerts”, Session “Environmental Hazards Associated with Energy Exploitation”, title “Improved detections of fluid-induced microseismicity in the High Agri Valley (southern Italy) and possible application for effective management of wastewater disposal operations”, Abstract ID: 790402.

2018/12/06. Invited speaker at the Workshop on “Seismicity in the Val d’Agri area”, Università degli studi della Basilicata in Potenza (Italy), title “Natural and induced seismicity in the High Agri Valley”.

2018/09/20. Invited speaker at the EMSEV 2018 International Workshop, Special Session on Research activities in Agri Valley, title “The High Agri Valley Geophysical Observatory: state of the art and future perspectives”.

2017-2018. The paper “Current challenges in monitoring, discrimination and management of induced seismicity related to underground industrial activities: a European perspective” [doi: 10.1002/2016RG000542] was selected as top downloaded article 2017-2018 and recognized as top 20 most read papers in Reviews of Geophysics by Wiley-Blackwell.

2015/11/12. Invited speaker at the “Workshop su Studi e ricerche sul rischio sismico naturale ed antropico in Val d’Agri”, Università degli Studi della Basilicata in Potenza (Italy), title “Sismicità naturale ed indotta in Alta Val d’Agri ed il progetto SIR INSIEME”.

2015/06/12. Invited speaker at the “Workshop sulla sismicità indotta”, Ministero dello Sviluppo Economico – Sala del Parlamentino in Rome (Italy), title “Sismicità naturale ed indotta in Alta Val d’Agri”.

Editorial activities

- Guest Editor of the special issue “Earthquake Early Warning System: Science and Technology, Challenges and Limitations” for Applied Science (2022)
- Corresponding Guest Editor of the special issue “Induced seismicity: observations, monitoring, and risk management strategies” for Journal of Seismology, Vol 24, No 5 (2020)
- Review Editor of Frontiers in Earth Science ISI journal since 2022
- Topic Editor of MDPI Sensors ISI journal since 2020
- Member of the Editorial Board of AIMS Geosciences ISI journal since 2016

Memberships

- SIF since 2023
- SSA since 2018
- AGU since 2012
- EGU since 2009
- SEG from 2005 to 2023

Evaluation of research results

- Referee for: Journal of Geophysical Research - Solid Earth; Nature Scientific Reports; Seismological Research Letters; Journal of Seismology; Geofluids; MDPI Sensors; Bulletin of Earthquake Engineering; Journal of Geophysics and Engineering; IEEE Geoscience and Remote Sensing Letters; IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing; Acta Geophysica; Journal of Earth System Science; Geomatics Natural Hazards & Risk; Bollettino di Geofisica Teorica e Applicata; Annals of Geophysics; Open Geosciences; Advances in Geosciences; Structural Engineering International; Natural Hazards; Pure and Applied Geophysics; Geoscientific Instrumentation, Methods and Data Systems; Natural Hazards and Earth System Sciences; MDPI Geosciences; MDPI Remote Sensing; Earth and Space Science.
- Referee of scientific projects for the National Science Centre (Poland)
- Commissioner for the evaluation of the PhD defense in “MATEMATICA, FISICA E APPLICAZIONI” at University of Salerno on September 14, 2021

PUBLICATIONS

Articles in international journals (indexed ISI and/or SCOPUS)

- [1] Stabile, T. A., Fat-Helbary, E. R., Serlenga, V., Panebianco, S., Tizzani, P., Castaldo, R., Telesca, L., El-Amin, E. M., Hamed, A. (2024). “Fault structure and earthquake clustering in Aswan region (Egypt) revealed by high-precision earthquake location from 35 years of recorded natural and induced seismicity”, Earth and Planetary Science Letters, 642, Art. n. 118881, doi: 10.1016/j.epsl.2024.118881
- [2] Lavecchia, A., Serlenga, V., Filippucci, M., Stabile, T. A., Prosser, G., Tallarico, A. (2024). “Fault (re)activation and fluid-induced seismicity: an example from the Val d’Agri intermontane basin (southern Italy)”, Journal of Geophysical Research - Solid Earth, 129(7), Art. n. e2024JB028710, doi: 10.1029/2024JB028710 ([OPEN ACCESS](#))
- [3] Ventola, I., Balasco, M., De Girolamo, M., Falco, L., Filippucci, M., Hillmann, L., Romano, G., Serlenga, V., Stabile, T. A., Strollo, A., Tallarico, A., Tripaldi, S., Zieke, T., Siniscalchi, A. (2024). “Seismic-electromagnetic signals from two monitoring stations in Southern Italy: electromagnetic

- time series release", *Geoscience Data Journal* (first published online 16 July 2024), doi: 10.1002/gdj3.262 ([OPEN ACCESS](#))
- [4] Falabella, F., Pepe, A., Perrone, A., Stabile, T. A. (2024). "A Variance-Covariance method to estimating the errors of 3-D ground displacement time-series using small baseline InSAR algorithms and multi-platform SAR data", *ISPRS Journal of Photogrammetry and Remote Sensing*, 211, pp. 208-227, doi: 10.1016/j.isprsjprs.2024.04.006 ([OPEN ACCESS](#))
 - [5] Panebianco, S., Satriano, C., Vivone, G., Picozzi, M., Strollo, A., Stabile, T. A. (2024). "Automated detection and machine learning-based classification of seismic tremors associated with a non-volcanic gas emission (Mefite d'Ansanto, Southern Italy)", *Geochemistry, Geophysics, Geosystems*, 25, e2023GC011286. doi: 10.1029/2023GC011286 ([OPEN ACCESS](#))
 - [6] **Stabile, T. A.**, Telesca, L. (2023). "The Statistical Fingerprint of Fluid-Injection Operations on Microseismic Activity at the Val d'Agri Oil Field (Southern Italy)", *MDPI Energies*, 16(16), Art. n. 5877. doi: 10.3390/en16165877 ([OPEN ACCESS](#))
 - [7] Panebianco, S., Serlenga, V., Satriano, C., Cavalcante, F., **Stabile, T. A.** (2023). "Semi-automated template matching and machine-learning based analysis of the August 2020 Castelsaraceno microearthquake sequence (southern Italy)", *Geomatics, Natural Hazards and Risk*, 14(1), Art. n. 2207715. doi: 10.1080/19475705.2023.2207715 ([OPEN ACCESS](#))
 - [8] Calamita, G., Gallipoli, M.R., Gueguen, E., Sinisi, R., Summa, V., Vignola, L., **Stabile, T. A.**, Bellanova, J., Piscitelli, S., Perrone, A. (2023). "Integrated geophysical and geological surveys reveal new details of the large Montescaglioso (southern Italy) landslide of December 2013", *Engineering Geology*, 313, Art. n. 106984, doi: 10.1016/j.enggeo.2023.106984 ([OPEN ACCESS](#))
 - [9] Picozzi, M., Serlenga, V., **Stabile, T. A.** (2022). "Spatio-temporal evolution of ground motion intensity caused by reservoir-induced seismicity at the Pertusillo artificial lake (southern Italy)", *Frontiers in Earth Science*, 10, Art. n. 1048196, doi: 10.3389/feart.2022.1048196 ([OPEN ACCESS](#))
 - [10] Caracausi, A., Buttitta, D., Picozzi, M., Paternoster, M., **Stabile, T. A.** (2022). "Earthquakes control the impulsive nature of crustal helium degassing to the atmosphere", *Nature Communications Earth & Environment*, 3, Art. n. 224, doi: 10.1038/s43247-022-00549-9 ([OPEN ACCESS](#))
 - [11] Falabella, F., Perrone, A., **Stabile, T. A.**, Pepe, A. (2022). "Atmospheric Phase Screen Compensation on Wrapped Ground-based SAR Interferograms", *IEEE Transactions on Geoscience and Remote Sensing*, 60, Art. n. 5202115, pp. 1-15. doi: 10.1109/TGRS.2021.3055648
 - [12] **Stabile, T. A.**, Vlček, J., Wcisło, M., Serlenga, V. (2021). "Analysis of the 2016-2018 fluid-injection induced seismicity in the High Agri Valley (Southern Italy) from improved detections using template matching", *Scientific Reports*, 11(1), Art. n. 20630. doi: 10.1038/s41598-021-00047-6 ([OPEN ACCESS](#))
 - [13] Balasco, M., Cavalcante, F., Romano, G., Serlenga, V., Siniscalchi, A., **Stabile, T. A.**, Lapenna, V. (2021). "New insights into the High Agri Valley deep structure revealed by magnetotelluric imaging and seismic tomography (Southern Apennine, Italy)", *Tectonophysics*, 808, Art. n. 228817. doi: 10.1016/j.tecto.2021.228817
 - [14] Serlenga, V., Gallipoli, M. R., Ditommaso, R., Ponzio, C. F., Tragni, N., Perrone, A., **Stabile, T. A.**, Calamita, G., Vignola, L., Carso, R., Pietrapertosa, D., Lapenna, V. (2021). "An Integrated Approach for Structural Behavior Characterization of the Gravina Bridge (Matera, Southern Italy)", *Structural Health Monitoring*, 20(6), pp. 3371-3391. doi: 10.1177/1475921720987544
 - [15] **Stabile, T. A.**, Rinaldi, A. P., Pankow, K. (2020). "Preface to the special issue "Induced seismicity: observations, monitoring, and risk management strategies"", *Journal of Seismology*, 24(5), pp. 917-919. doi: 10.1007/s10950-020-09956-x
 - [16] Gallipoli, M. R., Calamita, G., Tragni, N., Pisapia, D., Lupo, M., Mucciarelli, M., **Stabile, T. A.**, Perrone, A., Amato, L., Izzi, F., La Scaleia, G., Maio, D., Salvia, V. (2020). "Evaluation of soil-building resonance effect in the urban area of the city of Matera (Italy)", *Engineering Geology*, 272, Art. N.105645. doi: 10.1016/j.enggeo.2020.105645
 - [17] **Stabile, T. A.**, Serlenga, V., Satriano, C., Romanelli, M., Gueguen, E., Gallipoli, M. R., Ripepi, E., Saurel, J.-M., Panebianco, S., Bellanova, J., Priolo, E. (2020). "The INSIEME seismic network: a research infrastructure for studying induced seismicity in the High Agri Valley (southern Italy)", *Earth System Science Data*, 12(1), pp. 519-538. doi: 10.5194/essd-12-519-2020 ([OPEN ACCESS](#))
 - [18] Gallipoli, M. R., **Stabile, T. A.**, Massolino, G., Mucciarelli, M., Abu-Zeid, N., Chiauzzi, L., Bignardi, S., Rebez, A. (2020). "Structural health monitoring of the Ferrara University before and after the 2012 Emilia (Italy) earthquake, and after the damage repairs", *Structural Health Monitoring*, 19(3), pp. 838-853. doi: 10.1177/1475921719866439
 - [19] Cara, F., et al. (2019). "Temporary dense seismic network during the 2016 Central Italy seismic emergency for microzonation studies", *Nature Scientific Data*, 6(1), Art. N. 182. doi: 10.1038/s41597-019-0188-1 ([OPEN ACCESS](#))
 - [20] Vignola, L., Gallipoli, M. R., Chiauzzi, L., **Stabile, T. A.**, Piscitelli, S., Santarsiero, G., Bellanova, J., Calamita, G., Perrone, A. (2019). "Geophysical and engineering analysis of different

- earthquake damage in Pescara del Tronto and Vezzano (Arquata del Tronto Municipality) following the 24th August 2016 central Italy earthquake", *Bulletin of Earthquake Engineering*, 17(10), pp. 5471-5493. doi: 10.1007/s10518-018-0450-5
- [21] Serlenga, V., **Stabile, T. A.** (2019). "How do Local earthquake tomography and inverted data set affect earthquake locations? The case study of High Agri Valley (southern Italy)", *Geomatics, Natural Hazards and Risk*, 10(1), pp. 49-78. doi: 10.1080/19475705.2018.1504124 ([OPEN ACCESS](#))
- [22] Calamita, G., Serlenga, V., **Stabile, T. A.**, Gallipoli, M. R., Bellanova, J., Bonano, M., Casu, F., Vignola, L., Piscitelli, S., Perrone, A. (2019). "An integrated geophysical approach for urban underground characterization: the Avigliano town (southern Italy) case study.", *Geomatics, Natural Hazards and Risk*, 10(1), pp. 412-432. doi: 10.1080/19475705.2018.1526220 ([OPEN ACCESS](#))
- [23] Loperte, S., Calvello, M., Faruolo, M., Giocoli, A., **Stabile, T. A.**, Trippetta, S. (2019). "The contribution of the scientific research for a less vulnerable and more resilient community: the Val d'Agri (Southern Italy) case", *Geomatics, Natural Hazards and Risk*, 10(1), pp. 873-897. doi: 10.1080/19475705.2018.1550113 ([OPEN ACCESS](#))
- [24] Vlček, J., Eisner, L., **Stabile, T. A.**, Telesca, L. (2018). "Temporal relationship between injection rates and induced seismicity", *Pure and Applied Geophysics*, 175(8), pp. 2821-2835. doi: 10.1007/s00024-017-1622-y
- [25] Wcislo, M., **Stabile, T. A.**, Telesca, L., Eisner, L. (2018). "Variations of attenuation and Vp/Vs ratio in the vicinity of wastewater injection: a case study of Costa Molina 2 well (High Agri Valley, Italy)", *Geophysics*, 83(2), pp. B25-B31. doi: 10.1190/geo2017-0123.1
- [26] Telesca, L., Fat Elbary, R., **Stabile, T. A.**, Haggag, M., Elgabry, M. (2017). "Dynamical characterization of the 1982–2015 seismicity of Aswan region (Egypt)", *Tectonophysics*, 712-713 pp. 132-144. doi: 10.1016/j.tecto.2017.05.009
- [27] Grigoli, F., Cesca, S., Priolo, E., Rinaldi, A. P., Clinton, J., **Stabile, T. A.**, Dost, B., Garcia-Fernandez, M., Wiemer, S., Dahm, T. (2017). "Current challenges in monitoring, discrimination and management of induced seismicity related to underground industrial activities: a European perspective", *Reviews of Geophysics*, 55(2) pp. 310-340. doi: 10.1002/2016RG000542 ([OPEN ACCESS](#))
- [28] Galli, P., Giaccio, B., Messina, P., Peronace, E., Amato, V., Naso, G., Nomade, S., Pereira, A., Piscitelli, S., Bellanova, J., Billi, A., Blamart, D., Galderisi, A., Giocoli, A., **Stabile, T. A.**, Thil, F. (2017). "Middle to Late Pleistocene activity of the northern Matese fault system (southern Apennines, Italy)", *Tectonophysics*, 699 pp. 61-81. doi: 10.1016/j.tecto.2017.01.007
- [29] Telesca, L., Eisner, L., **Stabile, T. A.**, Vlček, J. (2016). "Investigating the time clustering of induced microseismicity generated by hydraulic fracturing", *Europhysics Letters*, 116(5), Art. N.59002. doi: 10.1209/0295-5075/116/59002
- [30] Gallipoli, M. R., **Stabile, T. A.**, Guéguen, P., Mucciarelli, M., Comelli, P., Bertoni, M. (2016). "Fundamental period elongation of a RC building during the Pollino seismic swarm sequence", *Case Studies in Structural Engineering*, 6 pp. 45-52. doi: 10.1016/j.csse.2016.05.005
- [31] **Stabile, T. A.**, Giocoli, A., Perrone, A., Piscitelli, S., Telesca, L., Lapenna, V. (2015). "Relationship between seismicity and water level of the Pertusillo reservoir (Southern Italy)", *Bollettino di Geofisica Teorica ed Applicata*, 56(4) pp. 505-517. doi: 10.4430/bgta0161 ([OPEN ACCESS](#))
- [32] De Landro, G., Amoroso, O., **Stabile, T. A.**, Matrullo, E., Lomax, A., Zollo, A. (2015). "High precision Differential Earthquake Location in 3-D models: Evidence for a rheological barrier controlling the microseismicity at the Irpinia fault zone in southern Apennines", *Geophysical Journal International*, 203(3) pp. 1821-1831. doi: 10.1093/gji/ggv397 ([FREE ACCESS](#))
- [33] Balasco, M., Lapenna, V., Romano, G., Siniscalchi, A., **Stabile, T. A.**, Telesca, L. (2015). "The Pollino 2011-2012 seismic swarm (Southern Italy): first results of the M_L=3.6 aftershock recorded by co-located electromagnetic and seismic stations", *Bollettino di Geofisica Teorica ed Applicata*, 56(2) pp. 203-210. doi: 10.4430/bgta0138 ([OPEN ACCESS](#))
- [34] Balasco, M., Giocoli, A., Piscitelli, S., Romano, G., Siniscalchi, A., **Stabile, T. A.**, Tripaldi, S. (2015). "Magnetotelluric investigation in the High Agri Valley (southern Apennine, Italy)", *Natural Hazards and Earth System Sciences*, 15(4) pp. 843-852. doi: 10.5194/nhess-15-843-2015 ([OPEN ACCESS](#))
- [35] Telesca, L., Giocoli, A., Lapenna, V., **Stabile, T. A.** (2015). "Robust identification of periodic behavior in the time dynamics of short seismic series: the case of seismicity induced by Pertusillo Lake, southern Italy", *Stochastic Environmental Research and Risk Assessment*, 29(5) pp. 1437-1446. doi: 10.1007/s00477-014-0980-6
- [36] Telesca, L., Chamoli, A., Lovallo, M., **Stabile, T. A.** (2015). "Investigating the tsunamigenic potential of earthquakes from the analysis of the informational and multifractal properties of seismograms", *Pure and Applied Geophysics*, 172(7) pp. 1933-1943. doi: 10.1007/s00024-014-0862-3

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Date: Tito Scalo (PZ), 17 January 2025

Io sottoscritto Tony Alfredo Stabile, consapevole delle sanzioni penali previste in caso di dichiarazioni mendaci, così come stabilito dal DPR n. 445/2000, dichiaro ai sensi degli artt. 38, 46 e 47 del DPR 455/2000 che tutte le informazioni contenute nel presente curriculum professionale sono veritiere. Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 196/2003, GDPR Reg. UE 2016/679 e del D.Lgs 101/2018.

I, the undersigned Tony Alfredo Stabile, aware of the criminal penalties provided for false statements, as established by DPR no. 445/2000, declare, in accordance with articles 38, 46, and 47 of DPR 455/2000, that all the information contained in this professional curriculum is truthful. According to Legislative Decree 196/2003, law 2016/679 of the GDPR EU Regulation, and Legislative Decree 101/2018, I hereby express my consent to process and use my data provided in this CV.