



43rd Course
**FRONTIERS
IN GEOPHYSICS
FOR THE THIRD
MILLENNIUM**

POSTERS

- 1. Abedi F. et al.**
Seismic Behavior of Active Faults Through Multisource Optical Imagery: From Satellite to Drone Resolution (case study: The North Zanjan fault)

2. Allegra M. et al.
Leveraging Deep Learning for Detecting Low-Frequency Seismic Events in DAS Data at Vulcano Island, Italy

3. ARISTOTLE-ENHSP Team
ARISTOTLE-ENHSP Project: a multi-hazard scientific expert assessment service for the EC Emergency Response Coordination Center

4. Avella M. et al.
Crustal anisotropy variations at Mt. Etna for monitoring local stress perturbations

5. Bevilacqua A. et al.
Data analysis of volcanic seismicity as a function of ground uplift during the ongoing unrest of Campi Flegrei caldera (Italy)

6. Biondini E. et al.
Probabilistic earthquake forecasting in Italy: bridging the gap between alarm-based and probability-based models

7. Bottari C. et al.
Earthquakes Lost in Time: A Multidisciplinary Case Study from Segesta (NW Sicily) Combining Archaeoseismology, Structural Geology, and Geophysics

8. Brooks S.J. et al.
InSAR analysis on Mt. Etna: preliminary insights into mid-term active faulting dynamics

9. Caredda E. et al.
Integrating Deep Learning and Seismological Analysis to characterize microseismicity in the Val d’Agri Region (Southern Italy)

10. Corsaro M.
Leveraging Transformer Models and Distributed Acoustic Sensing to improve seismic monitoring in Campi Flegrei

11. Cuius A. et al.
Improving Seismic Hazard Assessment Through Physics-Based Source Modeling

12. D’Amico S. et al.
Detecting Meteorological Tsunamis Using Coastal Seismometers: The Gulf of Finland Experiment

13. De Paolo E.
A trans-dimensional inversion algorithm for volcanic source modeling in finite element domain

14. D’Ippolito G. et al.
Laboratory earthquakes under hydrothermal conditions in Neapolitan Yeallow Tuff (Campi Flegrei, Italy)

15. Dubois Z. et al.
Hydrological signature in the current surface deformation of the East Adriatic by InSAR and GNSS

16. Ferrara F. et al.
Co-Volcanic Ionospheric Disturbances during Mt. Etna eruptions

17. Ferrara G. et al.
Reprocessing vintage seismic reflection profiles in the offshore Campi Flegrei Caldera

18. Fonzetti R. et al.
Shaking Things Up with Deep Learning: From Training to Model Benchmarking and Seismic Catalog Building

19. Hronek M. et al.
Inverse physics-based modeling of the 2016 Mw 6.1 Tottori Earthquake

20. Lo Bue R. et al.
Tracking Seismic Velocity Variations during the 2021 Unrest at Vulcano Island through Ambient Noise Analysis

21. Longobardi V. et al.
Implementation and Test of an onsite Earthquake Early Warning and Rapid Response system in the volcanic caldera of Campi Flegrei during the unrest

22. Marcou S. et al.
Ground Motion Observations from the MyShake Smartphone Network and Future Directions

23. Menichelli I. et al.
Seismic imaging of the Adria lithospheric structure from the joint inversion of teleseismic and ambient noise data

24. Nikolopoulou I. et al.
The M 5.9 Strofades Earthquake Sequence: Relocation, Focal Mechanism Solutions and Stress Inversion

25. Parrino N. et al.
Impressa Seismica: Machine Learning Analysis of Fault-Driven Landscapes

26. Petit Penna R. et al.
An automatic waveform modeling method to estimate Earthquake source and attenuation parameters

27. Rappisi F. et al.
Crustal structure of the Kivu Rift and Virunga Volcanic Province (DR Congo) from P-wave anisotropic tomography

28. Ravidà G. et al.
Imaging the shallow crust in the western Lake Garda region by high-resolution seismic profiling: Preliminary results

29. Sardeli E. et al.
The 2025 Santorini Swarm: Spatiotemporal Distribution and Coulomb Stress Changes. Preliminary Results

30. Scotto di Uccio F. et al.
An automatic workflow for microseismicity characterization in Southern Apennines (Southern Italy)

31. Sollai A. et al.
Earthquake Reflection Imaging and Migration: Application to the Campi Flegrei Caldera

32. Spassiani I. et al.
Reconciling the Irreconcilable: Window-Based VS Stochastic Declustering Algorithms

33. Tavani F. et al.
Deep Learning Python-Based Workflow for Automated Focal Mechanism Determination of Small to Moderate Earthquakes in Italy

34. Triantafyllou I. et al.
The Greek Earthquake Impact Database: AD 1800-2020

35. Tringali G. et al.
New paleoseismology and morphotectonic findings along the Fiandaca Fault and their relationships with the Etna volcano flank dynamics

36. Vallianatos F.
The Santorini-Amorgos, 2025 volcano-tectonic sequence in terms of statistical physics

37. Varchetta F. et al.
Regional High-Quality Ambient Noise Models for Italy: Development and Application to the Italian Seismic Network