

42° CONVEGNO GNGTS, FERRARA, 16 FEBBRAIO 2024

Room A1, Session 1.1 “Recent advances in the study of earthquakes, faults and seismogenic processes in natural and experimental faults”

Convenors: Paolo Galli (DPC), Massimo Cocco (INGV), Luisa Valoroso (INGV)

09:00 **Active Transpressive Faulting Along the High Atlas Mountains: the 8 September 2023, Mw 6.8, Morocco Earthquakes**

D. Cheloni, N. A. Famiglietti, R. Caputo, C. Tolomei, A. Vicari

09:15 **What about the predecessors of the February 2023 earthquakes in Eastern Anatolia?**

V. Castelli, K. Sesetyan, A.A. Gomez Capera, C. Meletti, M. Stucchi

09:30 **The Preparatory Process of the 2023 Mw 7.8 Türkiye Earthquake**

M. Picozzi, A.G. Iaccarino, D. Spallarossa

09:45 **Geodetic Modelling of the 2023 Mw 7.8 and 7.6 Türkiye Earthquake Sequence**

D. Cheloni, N. A. Famiglietti, A. Akinci, R. Caputo, A. Vicari

10:00 **Geological field survey in the area affected by the 2023 devastating earthquake sequence (Turkey). Part I: the Hahramanmaraş-Pazarçık fault scarp**

S. Pucci, M. Caciagli, R. Azzaro, P. Di Manna, A.M. Blumetti, V. Poggi, P.M. De Martini, R. Civico, R. Nappi, E. Ünsal, O. Tatar

10:15 **Interplay Between Fault Ruptures and Man-Made Structures Related With the 2023 Mw 7.8 and 7.5 Turkey Earthquakes**

T. Volatili, A. Dall'Asta, S. Mazzoli, F. Micozzi, F. Stimilli, G. Valentini, M. Tümay, B. Aksay, A. Beycioğlu, E. Tondi

10:30 **«Se dice etiam per terremoti esser sommerso et ruinato tre terre» (How a large historical earthquake was born).**

V. Castelli

10:45 **The harsh life of an earthquake in the region that doesn't exist**

S. Baranello, R. Camassi, V. Castelli

11:00 **Synthesis of written, architecture, and geology information sources improving the understanding of seismic sequences in the Ferrara area**

M. Stefani

11:15 **The 1783 Calabria earthquake sequence: a review of the coseismic effects on the natural environment**

C. Zei, C. Ciuccarelli, M.G. Bianchi, G. Tarabusi, D. Mariotti

11:30 **A “new” Aeolian event in 20th century: the 19th June 1916 earthquake in Filicudi Island.**

C.H. Caracciolo

11:45 **Early results of a systematic revision of Ferrarese seismicity of the 13th-15th centuries.**

A. Faoro, R. Camassi, V. Castelli

12:00 **SUPERSTUDIES: an approach for integrating macroseismic datasets of different nature**

A. Tertulliani, A. Antonucci, F. Bernardini, V. Castelli, E. Ercolani, L. Graziani, A. Maramai, M. Orlando, A. Rossi, T. Tuvè

12:15 **Was the August 26, 1806 earthquake really the largest event in the Roman area ?**

A. Tertulliani, C. Castellano

12:30 **One Earthquake, Two Scenarios: The Baffling Case of the 1467 Siena Earthquake.**

A. Arrighetti, B. Gelli, V. Castelli

12:45 **DISCUSSION**