SAPIENZA
UNIVERSITÀ DI ROMA

Venerdì 17 Febbraio ore 9:30
Aula 9 - Dipartimento di Scienze della Terra

Earthquake mechanics: in situ, in lab and through models

Ore 9.30**: The 2016-17 Central Italy seismic sequence:**
a) Slip heterogeneity and directivity.
Elisa Tinti, INGV
b) Fault system and seismicity pattern evolution.
Lauro Chiaraluce, INGV

Ore 10.10: **Nucleation of a dynamic instability on a rate strengthening fault induced by fluid injection.**
Marco Scuderi, Sapienza, Roma:

Ore 10.30: **Unstable slip events at 600 ˚C in simulated fault gouges from the Principal Slip Zone (PSZ) of the Alpine Fault, New Zealand.**
André Niemeijer, University of Utrecht, Netherland.

10.50 **Coffee break**

Ore 11.20: **Susceptibility of experimental faults to pore pressure increase: insights from load-controlled experiments on calcite-bearing rocks.**
Elena Spagnuolo, INGV Roma.

Ore 11.40: **Earthquake rupture dynamics in shallow poorly lithified sediments.**
Nicola De Paola, University of Durham, U.K.

Ore 12.00: **Effects of geometry and structure on rupture dynamics in subduction zone environments.**
Antonio Scala, INGV Roma.

Ore 12.20: **Alternative facts about fault strength (We have all the best earthquakes, really, they're great).**
Pablo Ampuero, Caltech, USA.

DIPARTIMENTO DI SCIENZE DELLA TERRA
Sapienza, Università di Roma

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