



DiSTAR PhD school Short Course **Geology of Earthquakes**

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Where: Room GEO06, DiSTAR, Complesso Universitario Monte Sant'Angelo,
Via Cintia 21, 80126 Napoli.

Also on Microsoft Teams:

<https://teams.microsoft.com/l/channel/19%3a4a1e5e53fcd34e138beb075d7e0020e1%40thread.tacv2/Earthquake%2520Geology?groupId=78fa76e6-5009-41c4-93f1-9d27155023c5&tenantId=2fcfe26a-bb62-46b0-b1e3-28f9da0c45fd>

When: January 18-19-20, 2022; hr. 11-13; 15-17

Agenda:

Day 1: Mechanics of earthquakes and faulting
Mechanics of faulting
Architecture and rheology of fault zones
Mechanics and phenomenology of earthquakes

Day 2: Active faults and paleoearthquakes
Active faults and seismogenic sources: continental and submarine
Characterizing Active faults and earthquake rates: Paleoseismology,
Archeoseismology, Speleoseismology
Active faults parameters and seismic hazard

Day 3: Seismotectonics
The seismic cycle
Active stress field and its measure
Seismotectonics of transcurrent, extensional and contractional tectonic belts
The seismotectonic model of Italy

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