

Session Program

20–23 mai 2025



STEP'UP PhD Congress 2025

Shaping the Earth: Faults, Quakes, and Erosion

IPGP
1 rue Jussieu 75005 Paris

jeu. 22 mai

13:30

Shaping the Earth: Faults, Quakes, and Erosion: CDD-03 1/2

Session | Site: IPGP, 1 rue Jussieu 75005 Paris

13:30 – 14:15

Keynote 04: From paleoseismology to space geodesy, can we still discover a new tectonic plate? Example along the Dead sea fault.

Orateur

Yann Klinger

14:15 – 14:30

From thermal pressurization to dilatant strengthening during stick-slip ruptures on saturated saw-cut thermally cracked westerly granite

Orateur

M. Caiyuan FAN

14:30 – 14:45

Synthetic earthquakes in a 3D numerical sandbox

Orateur

Adélaïde Allemand

14:45 – 15:00

Slip rates and deep lithospheric deformation along a fault ruptured during the 2012 Mw 8.6 Wharton Basin earthquake

Orateur

Saksham Rohilla

15:00

16:30

Shaping the Earth: Faults, Quakes, and Erosion: CDD-03 2/2

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16:30 – 16:45

Interactions between fault geometry, crustal damage and slip before, during and after the 2023 Kahramanmaraş earthquakes (Turkey)

Orateur

Paul Dérand

16:45 – 17:00

An enhanced earthquake catalog of the 2010 Mw 8.8 Maule aftershock sequence using modern tools

Orateur

Rodrigo Flores Allende

17:00 – 17:15

Characterisation of the soil properties along railway tracks using Distributed Acoustic Sensing

Orateur

Joseph Grand

17:15 – 17:30

Spatial assessment of erosive processes in a badland catchment using diachronic LiDAR, Draix, Alpes de Haute-Provence, France

Orateur

Yassine Boukhari

17:30