



PH.D. PROGRAM in CHEMICAL, GEOLOGICAL, AND ENVIRONMENTAL SCIENCES
FINAL DISSERTATION – XXXII CYCLE – (GEOLOGICAL CURRICULUM)

Tuesday 25th February - 10:00 - Room 03 (Building U4)

Wendong LIANG

**Petrology and multimineral fingerprinting of modern sand
derived from the Himalayan orogen**

Mattia MARTINELLI

**From outcrop to fracture model: a multidisciplinary approach to
characterize fracture networks from outcrop analogues in carbonates
affected by extensional tectonics**

Chiara MONTEMAGNI

**Geochronology and kinematics of crustal shear zones
in the Himalayan collisional belt**

Luca PELLEGRINO

**Modelling of mechanical mixing and chemical interaction between the
subducting crust and the overlying mantle at (ultra)high pressures:
implications for the slab-to-mantle mass transfer**