



PhD annual report presentations Curriculum: Geological Sciences

Monday 23 September
h. 9.30, room 2041

First year

Bearzot Francesca: "Study of Permafrost in the Alpine environment and its evolution in relation to climate using remote sensed data."

Grassi Davide: "Permeation grouting to improve geomechanical and hydraulic properties of granular soils with innovative materials and techniques, combined with structural reinforcements."

Perico Roberta: "Groundwater-River interaction in alpine catchment-Integrated water balance for sustainable management in the Valtellina valley."

Previati Alberto: "Groundwater thermal regime as a record of climate change and human disturbance. Effects on the groundwater management in the Milan metropolitan area."

Second year

Crippa Chiara: "Advanced analysis of activity and kinematics of slow rock slope deformations".

Russo Elena: "The anomaly of rift-parallel transcurrent faults: implications for seismic and volcanic risk."

Remigi Samantha (SKYPE): "Earth's mantle CO₂-rich fluids: chemical and physical properties, and isotopic signature."

Zhu Renzhi: "Petrology and melt/fluid inclusion studies in the mantle xenoliths from the Cenozoic basalts in the North China Craton."

Third year

Liang Wendong: "Petrology and multimineral fingerprinting of modern sand derived from the Himalayan orogeny."

Martinelli Mattia: "Fracture network and fault damage zone analysis from outcrop analogues: The Gozo Island case."

Montemagni Chiara: "Geochronology and kinematic of crustal scale shear zones in the Himalayan collisional belt."

Pellegrino Luca: "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."