



8 - 9 Febbraio 2022

## Giornate Assereto

a cura di Maria Rose Petrizzo & Davide Zanoni

Martedì 8 Febbraio

Mercoledì 9 Febbraio

### Relazioni annuali dei Dottorandi in Scienze della Terra, cicli XXXV e XXXVI

10:00 **Perini S.** - Magnetochronology of Early Pleistocene Hominin Sites: Linking North Africa to Europe.

10:20 **Carniti A.P.** - Mississippian mud mounds of Derbyshire (England, UK): facies architecture and biotic evolution.

10:40 **Bettoni C.** - The role of extreme paleoenvironmental conditions on nannoplankton carbonate production: case studies from the Lower Cretaceous.

11:00 **Forti L.** - Geomorphological mapping and Late Quaternary climate reconstruction in Kurdistan Region of Iraq.

11:20 **Morcioni A.** - The role of temperature in the stress-strain evolution of Alpine rock-slopes: a focus on the Cimiganda landslide.

11:40 **Citrini A.** - Setting up of a hydrologic model for the streamflow simulation of a human-modified alpine environment: the case study of the Grosina valley (N Italy).

12:00 **Bollino A.** - Quasi static gravity signatures in slow tectonic zones: assimilation of novel aerospace data and geophysical modeling.

10:00 **Cantaluppi M.** - Advanced Mineralogical and Crystallographical techniques for understanding transformation processes in natural materials and synthetic analogues.

10:20 **Pagliaro F.** - Crystal chemistry and chemical-physical stability of REE-bearing minerals: the case study of Mount Cervandone.

10:40 **Battiston T.** - Erionite: Crystal-chemistry, properties and utilizations.

11:00 **Casiraghi G.** - Integrating stable isotopes in reactive transport modeling for management of groundwater contamination by chlorinated solvents.

11:20 **Mosconi A.** - Multiscale geochemical study of the processes involved in crustal growth.

11:40 **Magnani L.** - Genesis of anatectic LCT pegmatites in the Adamello Massif.

12:00 **Melada J.** - Coupling infrared thermography and artificial intelligence for the conservation of cultural and environmental heritage.

14:00 **Morabito G., Marinoni N., Gatta G.D., Merlini M., Botteon A., Colombo C., Realini M., Possenti E., Bais G., Polentarutti M.** - Synchrotron radiation micro X-ray diffraction: An advanced approach in heritage science for the investigation of polychrome stratigraphies.

14:20 **Massinelli G., Marinoni N., Colombo C., Gatta G.D., Mancini L., Merlini M., Realini M., Possenti E.** - Time-resolved synchrotron radiation microtomography to reveal the microstructural variations induced by DAP conservation treatments on Noto limestone.

14:40 **Baratelli L.** - Crystal chemical study of arsenates and vanadates of the brackebuschite supergroup from Valletta mine, Canosio, Val Maira (CN).

15:00 **Cocomazzi G., Grieco G., Sinojmeri A., Bussolesi M., Cavallo A.** - Procedure for buffering acid mine drainage waters from pyrite-rich tailings.

15:20 **Tumiati S., Faucher G.** - The fate of phytoplankton during subduction and its role in controlling the carbon isotopic signature of arc emissions.

15:40 **Faucher G., Visentin S., Gambacorta G., Erba E.** - *Schizosphaerella* size and abundance variations across the Toarcian Oceanic Anoxic Event in the Sogno Core (Lombardy Basin, Southern Alps).

16:00 **Wolfgring E., Petrizzo M.R., MacLeod K.G., Huber B.T., Watkins D.K.** - Santonian deep sea benthic foraminifera from IODP Site U1513, Mentelle Basin (SW Australia): Reactions of benthic foraminiferal assemblages to surface water cooling at southern high latitudes.

16:20 **Tiepolo M., Compostella C., Ferrari E., Sessa G., Gargano V., Rossiello C., Colombi C., Cuccia E., Dal Santo U.** - Historical trends of Pb pollution in the metropolitan area of Milano.

16:40 **Cannaò E., Tiepolo M., Sessa G., Ferrari E., Farina F., Forni F.** - In-situ B isotopes in carbonates.

14:00 **Zuffetti C., Lucchelli A., Bersezio R., Masetti M., Beretta G.P., Camera C., Stevenazzi S.** - IDROMONT project (Lombardy) - part 1: The 3D geological model of the alpine aquifers and characterization of the hydrostratigraphic units.

14:20 **Stevenazzi S., Camera C., Masetti M., Beretta G.P., Lucchelli A., Zuffetti C., Bersezio R.** - IDROMONT project (Lombardy) - part 2: The hydro-geochemical features and hydrogeological budget of the alpine groundwater bodies.

14:40 **Tantardini D., Zerboni A., Muttoni G.** - Il rilevamento del Quaternario per il Foglio 121 'Brescia' della Carta Geologica d'Italia.

15:00 **Perego A., Bollati I.M., Forti L., Muttoni G., Pelfini M., Perini S., Rovere A., Ryan D., Vacchi M., Pappalardo M., Zerboni A.** - Geomorfologia e geoarcheologia dell'area dei Balzi Rossi (Ventimiglia): il contributo del progetto S-P-Heritage.

15:20 **Masseroli A., Bollati I.M., Pelfini M., Trombino L.** - Soils as a tool for reconstructing geomorphic dynamics in mountain environments.

15:40 **Tronti G., Apuani T., Masseroli A., Pelfini M., Zerboni A., Zucali M., Bollati I.M.** - 3GEO: Geoclimbing & Geotrekking in Geoparks - Preliminary results of the UNESCO-IGCP project.

16:00 **Fiandaca G.** - Electrical and Electromagnetic methods for groundwater mapping and mineral exploration.

16:20 **Langone F., Franceschini Z., Cioni R., Forni F.** - Stratigraphy, textural and compositional features of the Golja Ignimbrite (Main Ethiopian Rift).

16:40 **Forni F., Oalman J.A., Fellin G., Eisele S., Phua M., Guillong M., Rifai H., Bouvet de Maisonneuve C.** - Reconstructing the geological record of caldera-forming eruptions from Sumatra (Indonesia).

