



5 -7 Febbraio 2019

Giornate Assereto

a cura di Maria Rose Petrizzo & Davide Zanoni

Martedì 5 Febbraio

9:30 **Carnevale M.*** - A field-based investigation of the facies diversity of Hybrid Event Beds in deep-water clastic systems: towards an evaluation of their impact on hydrocarbon flow.

9:45 **Nembrini M.*** - Facies character and distribution of the Oxfordian-Tithonian Eastern Sardinia carbonate succession.

10:00 **Bussolesi M.*** - Chromite ore deposits: genesis, evolution and industrial applications.

10:15 **Grieco G.** - New perspectives on the production of high demanding chromite foundry sands.

10:30 **Grammatica M.** - The role of melt-rock reactions in the mass transport and re-mobilization of major and trace elements (e.g. REE): an experimental study.

10:45 **Spartà D.** - REE-bearing hydrous carbonates systems at high pressure: an experimental study.

11:00 **Borghini G., Fumagalli P.** - Pyroxenite-peridotite interactions in heterogeneous mantle sources: reaction experiments at 2 GPa.

11:15 **Cannaò E., Tiepolo M., Scambelluri M., Bebout G.E.** - Recycling of carbon and nitrogen in subduction zone via ultramafic rocks.

11:30 **Tumiati S.** - The fate of subducted limestones at forearc and subarc conditions: experimental results.

11.45 **Premiazione Bando "Premio Salvatore Dell'Oca A.A. 2017-2018"**.

14:00 **Voltolina D.*** - Wildfire risk assessment and environmental impact analysis.

14:15 **Pelliccioli C.*** - Study of the geological and structural evolution of the Aguaijto and La Refoma Calderas (Mexico) to evaluate the geothermal energy potential.

14:30 **Lotti P., Comboni D., Gatta G.D., Gigli L., Carlucchi L., Mossini E., Macerata E., Mariani M.** - Borates in radiation-shielding concretes: stability of colemanite.

14:45 **Merlini M., Milani S., Comboni D., Lotti P., Maurice J.** - Walstromite and Its Relevance in Understanding Ring Carbonates at Deep Mantle Conditions.

15:00 **Sofokleous I., Bruggeman A., Camera C., Zittis G.** - Preliminary results on the uncertainty of input data and hydrologic processes parameterisation for stream-flow simulations with WRF-Hydro.

15:15 **Stevenazzi S., Masetti M., Camera C., Tiepolo M., Ferrari E.S., Azzoni R.S.** - Atmospheric nitrogen depositions in west-Lombardy.

15:30 **Farina F., Narduzzi, F., Lana C.** - Insights into the thermal state and compositional evolution of the lower crust: the destructive life of the Galileia batholith (Minas Gerais, Brazil).

Mercoledì 6 Febbraio

9:30 **Miniati F.*** - Cretaceous calcareous nannofossil biostratigraphy from ODP/DSDP Sites along the offshore of Africa.

9:45 **Marchesi R.*** - Early Carnian ammonoids from Nevada: revised taxonomy, evolutionary trends and usefulness for the definition of the Late Triassic time scale.

10:00 **Mariani G.S., Cremaschi M., Marini M., Baroni C., Zerboni A.** - Quaternary Geology of the Adige River Glacier Amphitheatre.

10:15 **Compostella C., Zerboni A., Tiepolo M., Krotz L., Giazzi G., Dapiaggi M.** - Sviluppo di un metodo per la determinazione del carbonio organico mediante OEA.

10:30 **Masseroli A., Trombino L., Pelfini M.** - Soil evolution in high altitude environments: routine analyses vs Rock-Eval.

10:45 **Brandolini F., Cremaschi M., Pelfini M.** - Geomorphological interpretation of historical cartography to evaluate the human-induced modification on fluvial landscape.

11:00 **Cremaschi M.** - LEZIONE MAGISTRALE Le scienze della Terra per i Beni Culturali Archeologici esempi dal PRIN 2015 "Successo Terra".

14:00 **Luoni P.*** - Effetti strutturali e metamorfici dell'evoluzione tettonica nelle rocce femiche e ultrafemiche delle catene collisionali.

14:15 **Corti L.*** - Quantitative analysis of fabric evolution and metamorphic transformation in crystalline basements.

14:30 **Filippi M.*** - Structural and metamorphic evolution of Variscan rocks from the Alps and comparison with the evolution of tectonic units from different portions of central-European Variscan belt: first year report.

14:45 **Bottini C., Erba E., Faucher G., Dapiaggi M., Rotiroti N.** - Una nuova prospettiva sulla risposta delle alghe coccolitoforidi agli stress ambientali.

15:00 **Faucher G., Riebesell U., Bach L.T.** - Environmental control of coccolithophore morphology: can morphological features serve as paleoproxy?

15:15 **Wu Y.-L.** - Investigating biogeochemical processes in rock art samples from Ethiopia and Oman.

Govedì 7 Febbraio

Dottorato in Scienze della Terra

Discussioni finali Tesi di Dottorato Ciclo XXXI

9:00 **Giacomo Armetti**
Geomechanical characterization of rock masses for tunnel excavation with TBM.

10:00 **Chiara Zuffetti**
Characterization and modelling of complex geological architectures: the Quaternary fill of the Po Basin at the Po Plain-Apennines border (Lombardy, Italy).

11:00 **Davide Fugazza**
All eyes on glaciers: remote sensing of the cryosphere.

12:00 **Facheng Ye**
The microstructure of modern and fossil brachiopod archives.

14:00 **Gianluca Sessa**
Geochemistry of Amphibole from Archean and Early Proterozoic Ultramafic Rocks: Implications for the Secular Evolution of the Earth's Mantle.

15:00 **Davide Comboni**
High-pressure behavior of microporous materials: crystal-fluid interactions and deformation mechanisms at the atomic scale.

16:00 **Elena Possenti**
Inorganic products used in the Conservation of Cultural Heritage: interaction with carbonatic substrates and newly-formed crystalline phases.