



8 -10 Febbraio 2016

Giornate Assereto

a cura di Maria Rose Petrizzo & Davide Zanoni

Lunedì 8 Febbraio

- 9:30 **Confalonieri G.*** - Pair Distribution Function: a B cation disorder in BaTiO₃ perovskite doped by cerium.
- 9:45 **Fumagalli P., Borghini G.** - The geobarometric significance of plagioclase in mantle rocks: an experimental study towards an empirical calibration.
- 10:00 **Francomme J.E.*** - Olivine-gabbros and olivine-rich troctolites genesis through melt-rock reactions in oceanic spreading lithosphere: an experimental study up to 0.7 GPa.
- 10:15 **Borghini G., Fumagalli P.** - The role of secondary pyroxenites in basalt generation: experimental results and geochemical modeling.
- 10:30 **Galimberti M.*** - Effetti degli elementi minori sulla mineralogia e sulla reattività del clinker per cementi Portland comuni.
- 10:45 **Possenti E.** - Diammonium phosphate in the Conservation of Cultural Heritage. Interaction with carbonatic substrates and newly-formed crystalline phases.
- 11:00 **Tumiati S.** - Experimenting with fluids in rock systems.
- 11:15 **Comboni D.** - AlPO₄-5 zeolite at high pressure: crystal-fluid interaction and elastic behavior.
- 11:30 **Giani G.P. - LEZIONE MAGISTRALE**
Modellazione numerica di gallerie: analisi dell'interazione roccia/rivestimenti provvisori.

- 14:00 **Migliazza M.R., Armetti G., Ferrari F.** - Misura della rugosità di una discontinuità naturale soggetta a prova di taglio.
- 14:15 **Vezzola L.C., Muttoni G., Merlini M., Rotiroli N., Hirt A.M., Pelfini M.** - Investigating high-resolution spatial patterns of air pollution using magnetic properties of tree bark: a case study in Milano (Italy).
- 14:30 **Zangarini S., Trombino L., Dapiaggi M., Rizzi A., Tambone F.** - "POWER" - Renewable P-fertilizer from livestock effluent to prevent water eutrophication: il contributo delle Scienze della Terra.
- 14:45 **Caruso V.*** - Ruolo dell'alterazione delle fasi minerali e organiche nella propagazione delle fratture peri e post mortali del tessuto osseo umano antico.
- 15:00 **Masseroli A.*** - Soils evolution and treeline fluctuations on the southern side of the Alps under Holocene climate change.
- 15:15 **Musetti M.*** - Tecniche di cartografia digitale per la redazione di mappe di dettaglio dei suoli.
- 15:30 **Tiepolo M., Vannucci R.** - The contribution of amphibole from deep arc crust to the Silicate Earth's Nb budget.
- 15:45 **Moroni M., Caruso S., Fiorentini M., Barnes S.J., Wing B., Cliff J.** - The fate of sulphur in Archean komatiite lavas: suggestions from the Wannaway Ni-PGE deposit, Kambalda district, Western Australia.
- 16:00 **Sessa G.** - Is the amphibole a proxy for secular variation in the deep cycle of volatile elements?
- 16:15 **Merlini M.** - Nuove strutture di alta pressione e possibile complessità mineralogica del mantello terrestre.

Martedì 9 Febbraio

- 9:30 **Senese A., Guglielmin M., D'Agata C., Smiraglia C., Diolaiuti G.** - Ground thermal conditions at Punta Helbronner (Italian Alps) from a 2 year time series.
- 9:45 **Fugazza D.** - Spatial distribution of albedo at the Forni Glacier, Central Italian Alps, derived from Landsat satellite images.
- 10:00 **Azzoni R.S.*** - Sedimentological, biological and anthropic characterization of supraglacial debris and CO₂ fluxes analysis in glacial and periglacial environments.
- 10:15 **Smiraglia C., Diolaiuti G., D'Agata C., Maragno D., Azzoni R.S., Fugazza D.** - Distribuzione, caratteristiche e variazioni recenti dei ghiacciai italiani. Una sintesi dal nuovo Catasto.
- 10:30 **Bottini C., Erba E.** - The mid Cretaceous paleoclimate and paleoecology as traced by calcareous nannofossils.
- 10:45 **Faucher G., Erba E., Bottini C., Gambacorta G.** - Calcareous nannoplankton response to the latest Cenomanian Oceanic Anoxic Event 2 perturbation.
- 11:00 **Falzone F., Petrizzo M.R., Valagussa M.** - Size variation of two planktonic foraminiferal species (*Rotalipora cushmani* and *Whiteinella brittenensis*) during the latest Cenomanian OAE2.
- 11:15 **Tessarollo A.*** - Geometry, facies and microfacies of the inception stage of a high-relief carbonate platform: the Esino Limestone case (Middle Triassic, Southern Alps).
- 11:30 **Gaetani M.** - In ricordo di Riccardo Assereto.
- 11:40 **Jadoul F. - LEZIONE MAGISTRALE**
I sistemi carbonatici triassico-giurassici della Tetide occidentale: una sintesi evolutiva basata su ricerche in Sudalpino e Sardegna.
- 14:00 **Gilardoni S.E.*** - Late Albian - Cenomanian planktonic foraminiferal biostratigraphy and evolution in the Umbria - Marche Basin.
- 14:15 **Crippa G., Angiolini L.** - How to check the preservation of fossil shells? An overview of traditional and advanced screening tests.
- 14:30 **Marini M., Patacci M., Felletti F., Cerliani A., Azzarone M., Decarli A., McCaffrey W.D.** - The depositional architecture of Mass Transport Deposits from the Ventimiglia Flysch Fm. (Eocene, NW Italy): implications for seafloor reshaping and turbidite deposition.
- 14:45 **Marini M., Felletti F., Beretta G.P., Terrenghi J., Sapelli, S.** - Using large subsoil data repositories to model 3D hydrofacies distribution: a case study from Porto Marghera and the Lagoon of Venice (NE, Italy).
- 15:00 **Galuzzi B.*** - An experience of stochastic FWI on wide-angle land data with different order of approximation of the 2D acoustic wave equation.
- 15:15 **Regorda A.*** - The thermo-mechanical evolution of the subduction-collision systems.
- 15:30 **Zucali M., Spalla M.I., Zanoni D., Gosso G., Tarallo M.** - The rock matrix: petrostructural fabric types formation and evolution in metamorphic basement rocks.
- 15:45 **Da Mommio A.*** - Phase relationships in calc-silicate rocks: the Tauern window, Eastern Alps.
- 16:00 **Capizzi L.S.*** - Hydrous carbonatitic melts in a peridotitic matrix: an experimental approach.

Mercoledì 10 Febbraio

Dottorato in Scienze della Terra

Discussioni finali Tesi di Dottorato Ciclo XXVIII

- 9:30 **Andrea Croci**
Lithofacies character and spatial distribution of travertine depositional systems in Central Italy: case studies from the Messinian Albegna and Pleistocene Acque Albule basins.
- 10:15 **Guido Stefano Mariani**
The role of paleosols in paleoenvironmental studies: genesis and development of Apennine mountain soils during the Holocene.

- 11:00 **Davide Tantardini**
Geologia del Quaternario e Geomorfologia della Bassa Valchiavenna.

- 11:45 **Stefania Stevenazzi**
Time-dependent methods to evaluate the effects of urban sprawl on groundwater quality.

- 13:30 **Irene Fantone**
A flow-sheet approach to the issue of sulfide-rich tailings - The beneficiation process as a key to the environmental management of copper mines.

- 14:15 **Silvia Inzoli**
Experimental and statistical methods to improve the reliability of spectral induced polarization to infer litho-textural properties of alluvial sediments.

- 15:00 **Giovanna De Filippis**
Calibration of the groundwater flow model and assessment of the saltwater intrusion in a multi-layered aquifer system of the Ionian coastal area (Taranto gulf, southern Italy).

*relazione annuale dottorandi Cicli XXIX e XXX

