

PhD Congress 2019 - Program

Mar 7, 2019

9.00: Registration

9.30: introduzione (Sanfilippo)

10.00: **Obersler** Community composition of tropical forest mammals in relations to management regimes

10.20: **Panara** Reverse activation of inherited structures: inside the Central Apennines

10.40: **Guastella** When a tsunami stopped a Lessepsian invasion: preliminary data from a sediment core

11.00: coffee break (Poster session)

11.30: **Murri** Application of the Raman elastic geobarometry on host-inclusion systems from UHPM rocks

11.50: **Zaffiro** Equations of State of stiff anisotropic minerals

12.10: **Bonazzi** Raman approach to evaluate the strain state of synthetic host-inclusion pairs

12.30: **Van Schrojenstein Lantman** Garnetite formation along fluid pathways in subducting oceanic sediments from Lago di Cignana, Western Alps

12.50: **Morana** Magnetic inclusions in diamond

13.10: **Barbaro** Graphite-based geothermometry of Almahata Sitta ureilites

13.30: lunch time (poster session)

15.30: invited speakers - **Elena Basso and Federico Carò** – Metropolitan Museum of New York –
Conservation of Cultural Heritage

16.30: **Bonacina** A ~95 Ma-old global warming event: new geochemical constraints from a long in-situ sedimentary section in the Atlantic margin

16.50 **Pellerito** utilizzo di elementi in traccia per la determinazione del redox mantellico

17.10 **Antonicelli** Origin of the dunite/harzburgite association of Rocca di argimonia, Ivrea Mafic Complex (Ivrea Verbano-Zone)

17.30: happy hour (poster session)

18.00: invited speaker - **Dougal Jerram** – Vulcanology Applied to Petroleum Research

19:00 Social beer at Borgo Calvenzano

Mar 8, 2019

9.00: invited speaker – **Emilio Sperone** (University of Calabria) - New frontiers in the study of shark behavior

10.00: **Colandonato** Mirror of my desires, who is the strongest morph of the realm?

10.20: **Musacchio** Management and governance of groundwater nitrate contamination: are we on the right path?

10.40: **Bosino** Detection of the Masotcheni Formation using multispectral satellite data, terrain analysis and geostatistical modelling. KwaZulu-Natal, South Africa

11.00: **Cesaroni** Improving the researches on hericium erinaceus for a better use of its medicinal properties in central nervous system

11.20: coffee break

12.00: invited speaker - **Fabio Giacometti** (Petroceramics) – Development of Advanced Materials

13.00: lunch time

14.00: **Main poster session**

The best poster will be rewarded

16.00: Conclusions

Poster

Pasqualetto: Implications for the syngensis/protogenesis of clinopyroxene inclusions in diamonds

Lorenzon: Inclusions in super-deep diamonds

Severini: Evidences of diffuse water and nitrate input via river-groundwater interactions in a regulated river: flood irrigation as main driver?

Ferrari: Contrasting petrological and geochemical signatures in the mantle sequences exposed in the Bobbio-Perino area (External Ligurian ophiolites)

Daccò: Selection of new fungal strains and optimization of their activity for bioremediation of complex hydrocarbons mixture