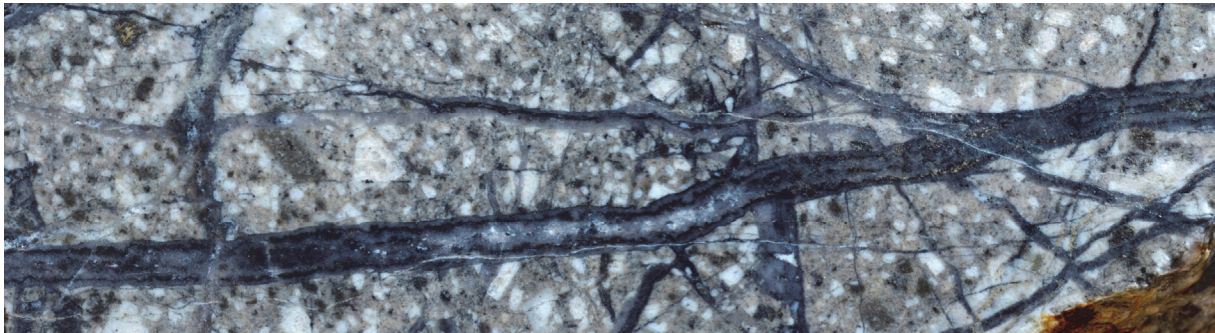


Short course « Magmatic-hydrothermal systems »

Dr. Kalin Kouzmanov
(Department of Earth sciences, University of Geneva)

May 3-4, 2018
Università di Pisa
Dipartimento di Scienze della Terra
Aula Microscopi



Program

Day 1 (Thursday May 3, 2018)

- 14:00 – 16:00 Architecture of magmatic-hydrothermal systems: magmas, fluids and ore deposit styles
Mineralizing fluids: the H₂O-NaCl system, composition of fluid inclusions, metal transport and precipitation mechanisms
Hydrothermal alteration
- 16:00 – 16:30 *Coffee break*
- 16:30 – 18:00 Porphyry Cu-Mo-Au deposits
*Lab** – vein types and alteration styles in porphyry systems

Day 2 (Friday May 4, 2018)

- 14:00 – 16:00 Skarns
Epithermal systems
- 16:00 – 16:30 *Coffee break*
- 16:30 – 18:00 Telescoping in magmatic-hydrothermal systems
*Lab** – skarn types, epithermal mineralization and alteration, telescoping

*Hand lenses are required, magnets and scratchers (if available) would be also of use

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