



CARBON FORMS, PATHS AND PROCESSES

**Ph.D. SCHOOL • VILLA GRUMELLO, COMO, ITALY
15-20 OCTOBER 2017**

The aim of the School is to present the state of the art of research studying the forms, the paths and the processes of carbon in the Earth in order to address the long-term fate of carbon on the planet. The School will consist of a series of invited lectures, practical sessions, and contributions from participants.

Topics

Physics and chemistry of carbon compounds • Nucleation processes, thermodynamic and kinetic properties • Organic carbon compounds • C-O-H Fluids thermodynamics • Carbon transport during subduction • Carbon speciation in deep fluids • Carbon processes at the slab mantle interface • Diamonds • Carbon and melting of the Earth's mantle • CO₂ budget of magmas • Earth's CO₂ degassing • CO₂ degassing and seismogenesis.

Lecturers

Patrick Allard (IPGP Paris, France), Robert J. Bodnar (Virginia Polytechnic, USA), Marcello Campione (University Milan Bicocca, Italy), Giovanni Chiodini (INGV Bologna, Italy), Carlo Doglioni (University Rome 1, Italy), Maria Luce Frezzotti (University Milan Bicocca, Italy), Brian Horsfield (University Jena, Germany), Falko Langenhorst (University Jena, Germany), Nadia Malaspina (University Milan Bicocca, Italy), Craig E. Manning (UCLA, USA), Stefano Poli (University Milan, Italy), Vincenzo Stagno (University Rome 1, Italy), Dimitri Sverjensky (Johns Hopkins University, USA), Simone Tumiati (University Milan, Italy).

Application information

Graduate students and postdoctoral scholars pursuing research related to carbon science are invited to apply by June 15th 2017. All participants are encouraged to present a poster. Please, contact Dr. Carla Tiraboschi (carla.tiraboschi@unimib.it) for application or application queries.

More information on: www.cfpp.lakecomoschool.org website

Location: villa del Grumello, Como lake, Italy

