



Ph.D. SCHOOL “Carbon forms paths and processes in the Earth”

VILLA DEL GRUMELLO, COMO, ITALY

15-20 OCTOBER 2017

The international School will 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 on cutting-edge techniques, and contributions from participants. This 5-days School is intended to bring together scientists, Ph.D. students and Post-Docs with broad international representation in geochemistry, petrology, experimental mineralogy and petrology, materials science, thermodynamics, volcanology, geodynamics, and geophysics.

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

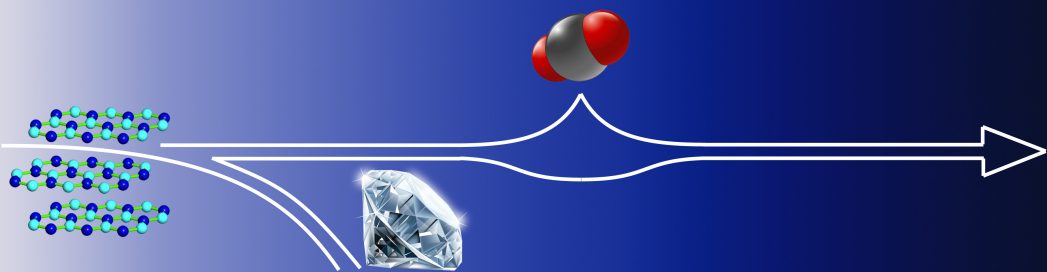
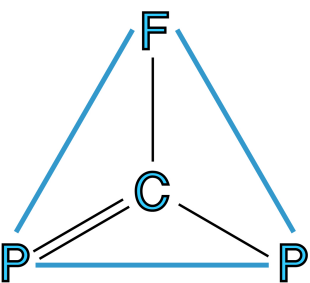
Patrick Allard (IPGP Paris, France), Robert J. Bodnar (Virginia Polytechnic, USA), Marcello Campione (University Milano Bicocca, Italy), Giovanni Chiodini (INGV Bologna, Italy), Carlo Doglioni (University Rome 1, Italy), Maria Luce Frezzotti (University Milano Bicocca, Italy), Brian Horsfield (University Jena, Germany), Falko Langenhorst (University Jena, Germany), Nadia Malaspina (University Milano 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 Tumati (University Milan, Italy).

Application information

Ph.D. students, Post-Docs, and young researchers involved in activities related to carbon science are invited to apply by **June 15th 2017** sending an e-mail to carla.tiraboschi@unimib.it with Name, Family Name, Institution and the topic of their own research (title of the poster or PhD project). All successful applicants are encouraged to present a poster at the School.

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





CARBON FORMS, PATHS AND PROCESSES

SCHOOL LOCATION

The school will be held at Villa del Grumello, Via per Cernobbio 11, Como (Italy)



SPONSORS

Ph.D. School of Milano Bicocca



Department of Earth and Environmental Sciences
(University of Milano Bicocca)



Italian Society of Mineralogy and Petrology