



Mattia La Fortezza

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Istruzione e formazione

2018

BSc degree in Geological Sciences

Multiphase inclusions in harzburgites from the Bétic Cordillera (Cerro de Almirez Spain) growth and orientation of magnetite in olivine - 110/110 with honours

University of Milano - Bicocca - Milan - IT

2020

MSc degree in Geological Sciences

Epitaxial mineral growth in olivine-hosted multiphase inclusions of subducted metamorphic harzburgites as monitor of fluidmediated redox equilibria in the mantle - 110/110 with honours

University of Milano - Bicocca - Milan - IT

Esperienza accademica

2020 - IN CORSO

PhD student in Geological Sciences - Computational Geochemistry

University of Genova - Genova - IT

Application of ab initio calculations and thermodynamic simulations with the purpose to obtain information on chemico-physical and thermodynamic properties of MgSiO₃ polymorphs which are stable at deep mantle conditions in order to establish thermodynamic and mineralogical models which will be able to unravel the role of these polymorphs in deep mantle processes

Esperienza professionale

2019

Student helper at the National Congress Parma 2019 Il tempo del pianeta Terra e il tempo dell'uomo le geoscienze tra passato e futuro

SIMP (Italian Society of Mineralogy and Petrology) - Parma - IT

2019

Curricular internship for the course of Principles of Geology - Introduction to Petrography

University of Milano - Bicocca - Milan - IT

The internship (october 2019 - november 2019) consisted in the preparation and description of selected samples of rocks from the department's collection in order to provide the students of Introduction to Petrography a collection of sample useful during the preparation of the exam.

2019 - 2020

Tutoring activity (type C tutor) for the course of Principles of Geology - Introduction to Petrography

University of Milano - Bicocca - Milan - IT

Tutoring activity under the supervision of the lecturer of the course of Principles of Geology Prof.ssa Nadia Malaspina at the University of Milano-Bicocca. The activity consisted in support for the students and help during their preparation for the exam of Principles of Geology - Introduction to Petrography.

2019 - 2020

Tutoring activity (type A tutor) for the enrolled students orientation

University of Milano - Bicocca - Milan - IT

Tutoring activity under the supervision of the lecturer of the course of Principles of Geology Prof. Marcello Campione at the University of Milano-Bicocca. The activity consisted in support and help in the orientation of the first - year students.

Competenze linguistiche

Italian

Madrelingua

English

Buono

Interessi di ricerca

My research interests revolve around the fields of mineralogy, geochemistry and petrology, in particular ab initio thermodynamics and geochemistry of solid crystalline phases, as well as phase relations and stability of minerals at deep mantle conditions. I am also interested in the petrological processes affecting subducting slabs, in particular dehydration reactions and stability of hydrous phases in subducting slabs, and implication on mantle-wedge metasomatism.