



Società Italiana di Mineralogia e Petrologia

Associazione Italiana di Cristallografia

# 1<sup>st</sup> SIMP-AIC Joint Meeting

## Sestri Levante (Genova, Italy), 7-12 September 2008

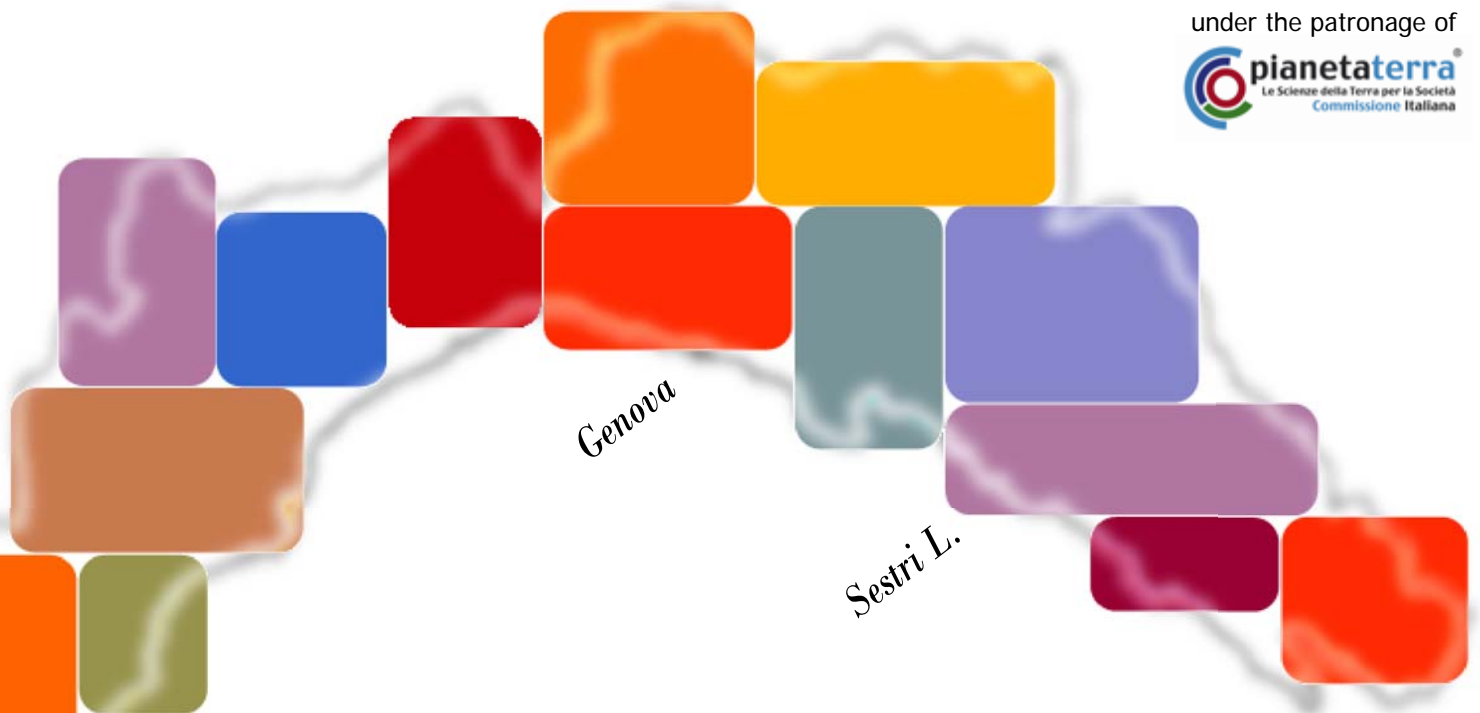
The aim of this meeting is to tighten the relations among the Italian petrological, mineralogical and crystallographic communities, to show new points of contacts and to stimulate further **synergies**. Particular emphasis will be put on the contributions that an atomistic perspective may give to the study of geo-materials, both from the point of view of their stability and systematics and from their role in natural and anthropogenic processes, especially as far as interactions between the geo- and the bio-sphere are concerned.

The rationale of the meeting is a **journey** from the inner towards the surface of the planet Earth, which starts from the present knowledge of mantle processes, focuses on reaction surfaces in minerals and in geo- and nano-materials and ends with the study and engineering of materials relevant for Earth, Materials and Biological Sciences.

A number of disciplinary symposia will summarize the state of the art of the Italian research in mineralogy and petrology and to their applications to environmental issues and cultural heritages, as well as of the many facets of the crystallographic researches. Outstanding scientists from different countries and disciplines have been invited to give plenary talks, with the purpose of providing an interesting and stimulating **melting pot** for future research.

### plenary lectures

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|--------------------|--------------------|
| Elisa Boanini      | Gianluca Calestani |
| Frank C. Hawthorne | Salvatore Iannotta |
| Koen Janssens      | Andrea Mattevi     |
| Martin Menzies     | Paola Paoli        |
| Roberto Santacrose | Elena Sokolova     |
| Giovanni Valdrè    | Roy A. Wogelius    |
| Stefano Zanardi    |                    |



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 pianetaterra  
Le Scienze della Terra per la Società  
Commissione Italiana

## Learning from and for the Planet Earth

### Structures and models in Earth, Materials and Life Sciences

## Deadline 7 June

Registration and Abstract Submission

### scientific sessions

**Petrologic Processes and Geodynamics**  
Mantle Processes and Geodynamics  
Petrology and Volcanology

**Geomaterials**  
Minerals  
Cultural Heritages

Applications and models for Mineralogy, Petrology and Geochemistry  
Geomaterials at large-scale facilities

**Structures, Surfaces, Reactivity**  
**Materials, from Earth and Lab to Life**  
Crystal-chemical models for mineral families

The polarity in mineral surfaces: fundamental and applied aspects  
Building-up organic-based nanodevices  
Biological and synthetic supramolecular systems

### field trips

#### Pre-Congress field trips (7 Sept)

- A1. Ligurian ophiolites: remnants of the oceanic lithosphere of the Jurassic Ligurian Tethys
- A2. Natural heritage and geology in Park areas - L'Anello del Cantomoro - Sentiero Ofiolitico
- A3. Conservation and reuse of mining heritage: the Val Graveglia manganese mines and the Val Fontanabuona slate quarries

#### Mid-Congress field trips (11 Sept)

- B1. The Lower Paleozoic medium to high grade basements and Upper Paleozoic continental successions
- B2. The eclogite-facies ophiolites of Western Liguria (Voltri Massif): examples of subduction-zone metamorphism of oceanic lithosphere
- B3. Manufacturing and trading of pottery in Liguria, from the early Neolithic to the late middle age. Archeometric issues.

<http://simp.dst.unipi.it/SIMP-AIC2008>

**SIMP Scientific Committee** S. Quartieri, R. Oberti, R. Basso, P. Lattanzi, G. Lucchetti, I. Memmi, G.B. Piccardo

**AIC Scientific Committee** R. Oberti, S. Quartieri, D. Aquilano, A. Bigi, V. Massarotti, L. Randaccio, M. Rizzi, R. Zamboni

**Organizing Committee** G. Lucchetti (President), P. Marescotti (Secretary for SIMP), M. Zema (Secretary for AIC), E. Bonaccorsi, R. Cabella, F. Cámara, D. Capsoni, M.L. Fornasini, L. Gaggero, R. Oberti, M. Pani, S. Quartieri, E. Rampone, L. Zefiro



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