

Scope of the Workshop

The conference is the second international Workshop on Layered materials organised by the Universities of Piemonte Orientale and Torino and sponsored by the Italian Crystallographic Association (AIC) and the Italian Zeolite Association (AIZ).

The first conference held in Alessandria (Italy) in August 2006, was mainly devoted to outline structure and properties of synthetic clays and clay minerals and their applications in Catalysis, Polymer Science and Nanotechnology.

The present Workshop is supported by the Commission on Inorganic and Mineral Structures (CIMS) of the International Union of Crystallography (IUCr) and will focus on different types of layered materials (perovskite-type, silicates, inorganic actinide compounds, organic-inorganic hybrids, etc...), the chemistry and structure of which may lead to highly technological solids, designed to improve their optical, magnetic and electronic properties. These materials can be used for a wide range of applications, from sensor devices to optical and magnetic imaging. The workshop will focus on spectroscopic, diffraction and computational methods to describe the structure and on physical tools to monitor properties in order to enlighten the structure-property relationships.

Topics and Plenary Lectures

The scientific programme of the Workshop will be divided into four topical sessions, and eminent scientists have agreed to present plenary lectures on the state-of-the-art of these topics:

- 1) **Hybrid materials**, D.B. Mitzi, "Structure-electronic property relationship in layered organic-inorganic perovskites"
- 2) **From mineral layers to materials**, S. Krivovichev, "Layered oxysalt minerals and their modified analogs: structure and applications"
- 3) **Structural and computational methods**, P. Ugliengo, "Periodic ab initio DFT calculations on siliceous layered materials"
- 4) **Properties and applications**, J. Rocha, "Engineering photoluminescence centers in layered lanthanide materials"

Key-dates

2007	August 20	First Announcement
2007	October 15	2 nd Circular, Call for Papers
2007	December 20	Submission of Abstracts
2008	February 1	Notification of Acceptance, 3 rd Circular
2008	February 20	Conference Program

Meeting Secretariat:

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Correspondence

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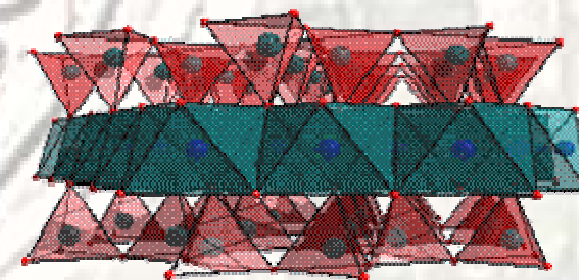
Università degli Studi
di Torino

Associazione Italiana
di Cristallografia

Associazione Italiana Zeoliti

II International Workshop

**"Layered Materials:
Structure and Properties"**



28th-30th March 2008

Vercelli, Italy

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II International Workshop On Layered Materials: Structure and Properties



Vercelli: a historic touch

Vercelli is today the small capital of the province, but at the same time the European Capital of Rice. In the Middle Ages it was a powerful city-state, which hosted one of the early few universities in Europe. Now, together with Alessandria and Novara, Vercelli is the site of the University of East Piedmont named after Amedeo Avogadro. It is worth mentioning that Avogadro wrote his fundamental paper leading to the "Avogadro number" while he was high school teacher in Vercelli.

The basilica of Saint Andrea is one of the first and a magnificent example of gothic architecture south of the Alps. The site of the meeting will be near the cloister next to the basilica. During the Renaissance Vercelli was the seat of a renowned painting school headed by Gaudenzio Ferrari. Several of his paintings are exhibited in the local art gallery and other precious works are kept in a number of churches (other even better paintings are in many international art galleries). To discover other works of art or gastronomical surprises you may come to Vercelli yourself or consult the website (in Italian) <http://www.vercelli.net/>.

How to reach Vercelli

Vercelli can be easily reached as it is at the junction of several motorways and on the train line between Milano and Torino. It is also close to the Milano-Malpensa and to the Torino-Caselle international airports.

Scientific Committee

- Prof. H. Gies
(Ruhr Universitat Bochum, Germany)
- Prof. H. O. Pastore
(University of Campinas, Brasil)
- Prof. G. Ferraris
(University of Turin, Italy)
- Prof. S. Merlino
(University of Pisa, Italy)
- Prof. U. Costantino
(University of Perugia, Italy)
- Prof. W. Depmeier
(University of Kiel, Germany)
- Prof. D. Pandey
(Banaras Hindu University, India)

Organizing Committee

- Chairmen: Prof. H. Gies
Prof. L. Marchese

Local Committee

- Prof. G. Ferraris
Prof. C. Rinaudo
Prof. D. Viterbo
Dr. E. Boccaleri

Conference Fees

Participants

Before February 15, 2008	250 €
After February 15, 2007	300 €

Students

Before February 15, 2008	150 €
After February 15, 2007	200 €

Accompanying Persons

50 €

The Congress fees will cover conference materials, coffee-breaks and social events.

Grants

A limited number of grants covering registration fees, accommodation and meals will be available for PhD students.

Contributions

The Workshop will be organised in Plenary and Key-note Lectures, Oral and Poster Contributions. More information will be given in the 2nd Circular.