

# 16<sup>th</sup> International Zeolite Conference *joint with the* 7<sup>th</sup> International Mesostructured Materials Symposium

izc-imms2010.unime.it  
www.IZC-IMMS2010.org  
izcimms2010@unime.it

## IZC-IMMS 2010

## Sorrento, July 4-9, 2010

*Engineering of new micro- and meso-structured materials*



The International Zeolite Association (IZA) and the International Mesostructured Material Association (IMMA), together with the Italian Zeolite Association (AIZ), the Interdivisional Group of Catalysis and the Division of Industrial Chemistry of the Italian Chemical Society (SCI), extend a cordial invitation to the colleagues in the field of micro- and meso-porous materials and related S&T to participate to the 16<sup>th</sup> International Zeolite Conference (16<sup>th</sup> IZC) joint with the 7<sup>th</sup> International Mesostructured Materials Symposium (7<sup>th</sup> IMMS), which will be held from July 4 to July 9, 2010 in Sorrento, Italy.

The Conference will be preceded by an *Intensive Summer School* (July 2-3<sup>rd</sup>, 2010) in Salerno (close to Sorrento) on new applications of micro- and meso-porous materials. *Chairs*: A. Alberti, R. Aiello, and F. Trifirò.

A *field trip* in a beautiful area of Sardinia very rich of natural zeolite crystals and deposits will be also organized.

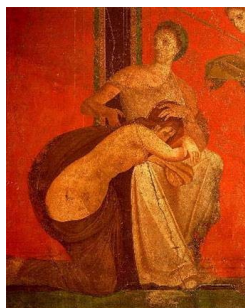
The scientific programme is structured in four parallel synchronised sessions. Three general sessions to stimulate cross-fertilization of knowledge and ideas (Synthesis & characterization, Structure & theory, Applications) and a fourth session dedicated to new frontiers in micro and meso-structured material.

**The programme consists of 5 plenary, 18 key-note, about 225 oral, 40 short oral, 2 poster sessions. Posters (upon request) will be also available in a web virtual show.**

A symposium to celebrate the R. M. Barrer birthday centenary will be organized.



The meeting will be held in the Convention Center "Hilton Sorrento Palace", a high-tech conference centre surrounded by lush greenery and overlooking Mount Vesuvius. The Hotel has 400 rooms, 1 indoor and 6 outdoor swimming pools, six restaurants and three bars, fitness, tennis, etc., but in Sorrento may be find accommodations for over 12,000 peoples in hotels, rent rooms and even camping to cover all type of requests and costs.



## CONTACTS

*Chairpersons:*

- Prof. Gabriele CENTI (IZC16)                      centi@unime.it
- Prof. Girolamo GIORDANO (IMMS7)              ggiorda@unical.it
- Prof. Paolo CIAMBELLI (Organization)          pciambelli@unisa.it

## DATES to NOTE

- Dec. 1<sup>st</sup>, 2009    Deadline for extended abstracts
- Feb. 15<sup>th</sup>, 2010    Notification of the acceptance
- April 15<sup>th</sup>, 2010    Deadline early registration / Hotels

*Sorrento - the city of Sirens, is in the heart of "Campania Felix", the region around Naples very reach of historical places and beautiful landscape. Sorrento is a tuff bank, standing vertically on the sea and in front of the Capri*

**Visit the Conference web site for update information and abstract submission**





## SCOPE AND SCIENTIFIC ASPECTS

The conference deals with *all aspects of natural and synthetic micro- and meso-porous materials (MMM)* with ordered nanostructure. The conference is organized in the following four macro-areas, with the aim to foster an interdisciplinary and not sectorial approach.

### 1. Synthesis and Characterization

- 1.1 - Advanced synthesis, crystal-growth and post-treatment
- 1.2 - Insights on natural and synthetic MMM, and genesis conditions

### 2. Structure and theory

- 2.1 - Advances on structural aspects
- 2.2 - Theory and computational design

### 3. Applications

- 3.1 - Catalysis and membranes
- 3.2 - Adsorption/diffusion and ion exchange

### 4. New frontiers in Micro and Mesosstructured materials

- 4.1 - Hybrid and composite materials (CTF, ECS, MOF, PMO, ZIF, etc.)
- 4.2 - New applications: bio-materials, nano-medicine, opto- and nano -electronics
- 4.3 - From minerals to materials



## TOPICAL CHAIRS

- 1.1: R. MILLINI (eni R&M, Italy), S. MINTOVA (Univ. Caen, France), D. ZHAO (Fudan Univ., China)
- 1.2: A. ALBERTI (Univ. Ferrara, Italy), F. SCHÜTH (MPG für Kohlenforschung, Germany), S. CHE (Shanghai Jiaotong Univ., China)
- 2.1: G. SUFRITTI (Univ. Sassari, Italy), C. BAERLOCHER (ETH Zurich, Switzerland), V. ALFREDSSON (Lund Univ., Sweden)
- 2.2: A. GAMBA (Univ. Insubria Como, Italy), R. van SANTEN (Eindhoven Tech. Univ., Netherlands), J. SAUER (Humboldt Univ. Berlin, Germany)
- 3.1: F. CAVANI (Univ. Bologna, Italy), J. CEJKA (Heyrovsky Inst. Prague, Czech Republic), K. TSUTSUMI (Toyohashi Univ. of Techn., Japan)
- 3.2: D. CAPUTO (Univ. Napoli, Italy), J. KÄRGER (Univ. Leipzig, Germany), A.V. NEIMARK (State Univ. of New Jersey, US)
- 4.1: L. MARCHESE (Univ. Piemonte Orientale, Italy), C. SERRE (Univ. of Versailles, France), S. INAGAKI (Toyota Central R&D Lab., Japan)
- 4.2: P. INNOCENZI (Univ. Sassari, Italy), T. BEIN (Univ. München, Germany), M. VALLET-REGI (UCM Madrid, Spain)
- 4.3: F. DI RENZO (ENSCM Montpellier, France), M. ANDERSON (Univ. Manchester, UK), R. RYOO (KAIST Daejeon, South Korea)



## PLENARY LECTURE (preliminary)

Stacey ZONES (Chevron Richmond, CA -USA)  
*Synthesis of zeolites and industrial applications*  
 Dongyuan ZHAO (Fudan Univ. Shanghai China)  
*Mesoporous materials and new synthesis methods*  
 Xiaodong ZOU (Stockholm University, Sweden)  
*Advanced characterization of micro- and meso-porous materials*  
 Luisa DE COLA, (Univ Münster, Germany)  
*Zeolites as key-components of new multifunctional nanomaterials*  
 Rainer Albert RAKOCZY (Süd-Chemie AG, Catalytic Technol., München - Germany)  
*Challenge in Industrial Zeolite Catalysis*

## KEY-NOTES (preliminary)

Shinji INAGAKI, Toyota Central R&D Labs., Japan  
*Hybrid materials*  
 Valentin VALTCHEV, ENSICAEN-CNRS, Caen France  
*Hierarchical organized zeolite*  
 Carlo PEREGO, Centro Ricerche per le Energie Non Convenzionali - eni Istituto Donegani, Novara Italy  
*Micro- and meso-porous materials for sustainable energy*  
 Takashi TATSUMI, Tokyo Institute of Technology Japan  
*Advanced zeolitic materials for synthesis of fine chemicals*  
 Panagiotis MISAEILIDES, Aristotle University of Thessaloniki, Greece  
*Application of natural zeolites in environmental remediation: past, present and future*  
 Jesus SANTAMARIA, University of Zaragoza, Spain  
*Membranes based on zeolites*  
 Philip LLEWELLYN, CNRS UMR 6264, Marseille, France  
*Adsorption-storage properties of MOF*



## COMMITTEES

**Co-chairpersons** G. Centi (Univ. Messina), G. Giordano (Univ. Calabria)  
**Secretary** C. Perego (eni Ist. Donegani Novara)  
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**Delegates of IZA and IMMA** M.W. Anderson (Univ. Manchester, UK) - IZA Council; X.S. Zhao (Nat. Univ. of Singapore) - IMMA Council

**Pre-Conference School** A. Alberti (Univ. Ferrara), R. Aiello (Univ. Calabria), F. Trifirò (Univ. Bologna)  
**Field trip** V. Solinas (Univ. Cagliari)  
**Communications** B. Onida (Polit. Torino)  
**Students grants** G. Cruciani (Univ. Ferrara)  
**Pre- and post-conference events** G. Busca (Univ. Genova), R. Psaro (CNR, Milano), E. Santacesaria (Univ. Napoli)

## International Advisory Board

All members of IZA and IMMA Councils

## National Advisory Board

**Chairperson** E. Garrone, Politecnico Torino

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