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 16th International Zeolite Conference (16th IZC) joint with the 7th International Mesostructured Materials Symposium (7th 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 2-3rd, 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 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.

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 island. 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.

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

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 sectoral 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 Mesostructured 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. SCHUTH (MPG für Kohlenforschung, Germany), S. CHE (Shanghai Jiaotong Univ., China)
2.1: G. SUFFRITTI (Univ. Sassari, Italy), C. BAERLOCHER (ETH Zurich, Switzerland), V. ALFREDSSON (Lund Univ., Sweden)
2.2: A. GAMB (Univ. Insubria Como, Italy), R. van SANTEN (Eindhoven Univ. Tech., Netherlands), J. SAUER (Humboldt Univ. Berlin, Germany)
3.1: F. CAVANI (Univ. Bologna, Italy), J. CEJKA (Heyrovsky Inst. Prague, Czech Republic), K. TSUTSUMI (Toyoohashi 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. Münich, Germany), M. VALLET-REGI (UCM Madrid, Spain)
4.3: F. DI RENZO (ENSCM Montpellier, France), M. ANDERSON (Univ. Manchester, UK), R. ROYO (KAIST Daejon, South Korea)

PLENARY LECTURE
(prefliminary)
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., Munich - 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 Donenogni, Novara Italy
Micro- and meso-porous materials for sustainable energy
Takashi TSUTSUMI, Tokyo Institute of Technology Japan
Advanced zeolitic materials for synthesis of fine chemicals
Panagiotis MISAELIDES, 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

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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
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