

## EPF Advisory Board

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### EUPOC 2008: Advanced Polymeric Materials for the Energy Resources Exploitation

**Chairpersons:** S.Destri (CNR-ISMAL, Milano), J.Garcke (WBZU, Ulm), R.Po (ENI SpA, Novara)

**Local Committee:** G.Galli (Univ. Pisa), G.Di Silvestro (Univ. Milano), S.Luzzati (CNR-ISMAL, Milano), M.Mastragostino (Univ. Bologna), B.Scrosati (Univ. Roma)

#### Invited speakers:

C.Brabec (Konarka) - T.B.A.  
S.Luzzati (ISMAL CNR) – *Design of photo-active polymer blends for solar cells*  
N.S.Sariciftci (Univ. Linz) – T.B.A.  
F.Wudl (Univ. Santa Barbara) - T.B.A.  
J.Ihm (Univ. Seoul) – *Strategies for hydrogen storage in transition metal decorated polymers*  
H.Gasteiger (Acta SpA) - *Catalysis and catalyst degradation in fuel cell technology*  
E.Roduner (Univ. Stuttgart) - *Spatially resolved proton conductivity measurements and the structure of polymer electrolyte fuel cell membranes*  
B.Scrosati (Univ. Roma) – T.B.A.  
M.Winter, to be confirmed (Univ. Graz) – *Polymeric binders and monomeric additives for lithium ion batteries*  
M.Mastragostino (Univ. Bologna) - *Hybrid carbon/polymer supercapacitors operating in ionic liquids*  
S.Passerini (ENEA) – *Polymer electrolytes containing ionic liquids for high-energy supercapacitor and batteries*

## SCOPE AND OBJECTIVES

The energetic issue is of paramount importance for our modern industrialized society, and is probably the most striking challenge we have begun to face at the beginning of this century. The search for efficient, clean and affordable power generation technologies is a key element in any sustainable development policy. Companies and public institutions all around the world have committed themselves to investing more and more in research programs focussed on renewable and non-conventional energy sources. Material and polymer sciences and nanosciences may supply an important contribution to the development of such energy sources. Energy generation from sun or hydrogen and energy storage will be the key topics this conference will deal with.

This EUPOC conference will bring together experts in a selected group of topics that encompass polymer and materials preparation and characterization, electrochemistry, photophysics, nanoscience and nanotechnology. The goal is to provide a broader context of scientific exchange along the themes of third generation polymeric and organic photovoltaic cells, photoelectrochemical cells for hydrogen generation from water, proton exchange membrane fuel cells, advanced polymers for hydrogen storage and conductive polymers for batteries and supercapacitors fabrication.

## THE EUROPOLYMER CONFERENCES

Starting from 1998 EPF has decided to organize a series of Europolymer Conferences (EUPOC) on topics of actual scientific and industrial interest. That taking place in Gargnano on the Lake Garda (Italy) is a Conference limited to 100 participants, the venue being the Palazzo Feltrinelli kindly offered by the University of Milano. The scientific programme consists of invited lectures, oral communications and posters. Ample space is given to the free discussion favoured by the residential style of the Conference.

The titles of previous Europolymer Conferences (2001-2007) are:

- Polymeric Nanocomposites: Design, Properties & Applications
- Polymeric Gels: Interesting Synthetic and Natural Soft Materials
- Stereospecific Polymerization and Stereoregular Polymers
- Organized, Polymer-based Structures in Water and Their Applications
- Polymers in Nanoscience and Nanotechnology
- Branched macromolecular structures
- From Polymer Structure and Rheology to Process Modeling

## European Polymer Federation



### First Announcement and Call for Papers

## EUROPOLYMER CONFERENCE 2008 (EUPOC 2008)



### Advanced Polymeric Materials for the Energy Resources Exploitation: Synthesis, Properties and Applications

1 – 5 June, 2008  
Palazzo Feltrinelli  
Gargnano, Lake Garda, Italy



Organized by:

Italian Association of Macromolecular Science and Technology (AIM), with the contribution of University of Milano



<http://eupoc2008.atspace.com/index.html>

## PRELIMINARY REGISTRATION FORM

Please return this form **by 1 January 2008** by fax (+3905028438) or e-mail ([mgv@dcci.unipi.it](mailto:mgv@dcci.unipi.it)) or register at <http://eupoc2008.atspace.com/index.html>

**Europolymer Conference 2008 (EUPOC 2008)**  
Gargnano, Lake Garda (Italy), 1 - 5 June, 2008

Title  Prof.  Dr.  Mr.  Ms.

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Last Name

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First Name

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Affiliation

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Address

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City Zip Code

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Country

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Phone Fax

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E-mail

I am interested in attending

I intend to submit a paper:  Oral  Poster

Tentative title:  
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EPF – EUROPOLYMER CONFERENCE 2008 (EUPOC 2008)  
c/o Miss Maria Viola  
Dipartimento di Chimica e Chimica Industriale  
Università di Pisa  
via Risorgimento 35  
56126 Pisa (ITALY)

## TOPICS

The different sessions will be devoted to:

i) **Solar cells** (N.S.Sariciftci, S.Luzzati):  $\pi$ -conjugated polymers and dendrimers; hybrid photoactive materials; solar cells architectures and devices; active layers characterization and photophysics; barrier materials for cells encapsulation; polymeric electrolytes for dye-sensitized cells; photochemical water splitting assisted by polymers and photoelectrochemical cells

ii) **Hydrogen and fuel cells** (J.Garche, B.Scrosati): proton conducting polymers; proton exchange membranes for fuel cells; (nano)composite membranes; polar plates; polymers with intrinsic microporosity and materials for hydrogen storage; characterization techniques

iii) **Storage of electricity** (M.Winter, M.Mastragostino): novel ion conducting polymers; hybrid materials; solid polymer electrolytes; polymeric electrodes; techniques for characterizing materials; devices: batteries and supercapacitors

## CALL FOR PAPERS

The Conference will be based on invited lectures, oral communications and poster papers. Those who wish to present contributions and/or to participate are kindly requested to complete the preliminary registration form. For oral or poster presentation, the submission of a one-page abstract is requested. The deadline for abstract submission and for registration is **15 March 2008**.

## REGISTRATION

The full registration fee is 540 € and will include the lunches (four), the Welcome Party, the Social Dinner and the Wine & Cheese Dinner.

For students a special reduced fee of 290 € is applied (not including the Social Dinner).

Companion's fee is of 200 €

Fees are valid until 15 April 2008; add 60 € after this date.

## CORRESPONDING ADDRESS

**EUROPOLYMER CONFERENCE 2008 (EUPOC 2008)**

Dipartimento di Chimica e Chimica Industriale  
Via Risorgimento 35 - 56126 Pisa (Italy)

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