



## WORKSHOP ON NANOMATERIALS PRODUCTION, CHARACTERIZATION AND THEIR INDUSTRIAL APPLICATIONS

In a world where products are becoming commoditised in many market sectors, it is becoming increasingly difficult to sustain competitive advantage. Nanomaterials offer enormous potential to add value to brands, reinvigorate products nearing the end of their life, and create entirely new products to meet evolving needs. For manufacturers, nanomaterials can shorten the production process, saving energy and raw materials, and increase efficiency.

The incorporation of nanomaterials into every-day products is forecast to play an increasingly crucial role across a diverse range of applications and market sectors including plastics, coatings, environmental treatments and healthcare.

This Workshop intends to offer to the stakeholders operating in the nanotechnology area an overview of the research progress on new nanomaterials and their relevant industrial applications. It is organized by the Working Group on Chemical Nanotechnology of the Italian Chemicalists Association Society (SCI) and the Italian Chemical Engineerings Association (AIDIC) and is included in the II Conference on the "Programme N.I.C. - Nanotechnology in Chemical Industry" – P.N.I.C., promoted by FEDERCHIMICA. It

### WORKSHOP TOPICS

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**Biomaterials:** Drug delivery, medical imaging materials, implants, nanosensors

**Catalysis:** Photocatalysis, fuel cells

**Coatings:** Thin films, Surface characterization, Pigments

**Composites:** Nanoparticles, Nanofillers, Nanoclays

**Coatings:** Thin films, Surface characterization

**Biomaterials:** Drug delivery, medical imaging materials, implants

**Energy:** Solar cells, hydrogen storage, batteries

**Catalysis:** Photocatalysis

### ABSTRACT SUBMISSION

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The Workshop topics will be treated in oral presentations and poster sessions.

Participants wishing to present a contribution are asked to submit an abstract of 1 page (A4 format). The paper shall report the complete address and e-mail of each author.

Authors are also required to indicate the topic which the paper belongs to.

Papers can only be submitted through email to: [nanomaterials@aidic.it](mailto:nanomaterials@aidic.it)

### KEY DATES

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Call for Paper

10<sup>th</sup> of July

Abstract delivery deadline

10<sup>th</sup> of September

Notification of Acceptance

Early October

Extended Abstract for the Cd

17<sup>th</sup> of November

## **DATE AND VENUE**

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*December 3, 2008*  
*ATAHOTEL FIERAMILANO, Via Boezio, 20*

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## **SCIENTIFIC COMMITTEE**

### *Chairmen*

Renato Bozio (University of Padova)  
Angelo Chianese (Sapienza University of Rome)

### *National Members*

Angela Agostiano (University of Bari)  
Gabriele Centi (University of Messina)  
Paolo Ciambelli (University of Salerno)  
Roberto Zanoni (Sapienza University of Rome)  
José Kenny (University of Perugia)  
Laura Montanaro (Polytechnic of Turin)  
Gabriele Centi (University of Messina)  
Angela Agostiano (University of Bari)  
Roberto Zanoni (Sapienza University of Rome)

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## **SECRETARIAT**

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## **REGISTRATIONS**

### Registration

The participation to the workshop is free. Participants are requested to register through the following page at the following web site : [www.aidic.it/nanomaterials/index.htm](http://www.aidic.it/nanomaterials/index.htm)