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*under confirmation

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Members Maderna R. (AIDIC); Poli, G. (AIDIC);
Wolf-Maciel M. (UNICAMP, Brazil)

SECRETARIAT

All the correspondence should be addressed to:

AIDIC, ICheaP-9 Secretariat
Attn. Raffaella DAMERIO
Via Giuseppe Colombo 81A
20133 Milano (Italy)

Voice Phone: +39-02-70608276
Fax Phone: +39-02-59610042
e-mail: icheap9@aidic.it

visit:

<http://www.aidic.it/icheap9>

- to submit abstract and manuscript
- to register
- to book hotel rooms
- to read the program
- to find information about the venue
- to see the updates

KEY DATES

2008 October 30th, Abstract Submission
2008 November 15th, Information to Authors on abstract acceptance
2009 January 15th, Submission of camera ready manuscript for refereeing
2009 February 28th, Information to Authors on final paper acceptance and format of presentation
2009 March 31st, Registration deadline for Authors to have the paper included in the program and proceedings
2009 April 8th, Last day for submission of eventually revised manuscript

SPONSOR

The Conference is supported by Politecnico di Milano (CMIC Dept.).
Companies and organisations willing to support the Conference and to show their interest in the field are encouraged to become sponsor.



The Italian Association of Chemical Engineering



ICheaP-9

9th International Conference on
Chemical and Process Engineering



4th JOINT EVENT
ICheaP-9 & PRES'09

10-13 May 2009
Rome, Italy

The two conferences will be

COMMON IN:
Date and venue
Organisational items
Registration fee
Social programs

SEPARATE IN:
Scientific Committees
Acceptance of papers
Conference sessions
Proceedings

ABOUT THE CONFERENCE

ICheaP-9 is the ninth event in a series of biannual events started in 1993 with "the first Italian Conference on Chemical and Process Engineering" organized by AIDIC, the Italian Association of Chemical Engineering.

In the previous events of the series the conference was named as "Italian Conference" with the aim of indicating the strategic objective of a conference locally organized although open to all the contributions independently on their geographic origins. The use of English as official language of the conference was a decision addressed to that objective. However since the very beginning the non Italian participation was higher than the Italian one. The move to "International" as is started last year, corresponds, therefore, to a real status matured in all the previous events. It is expected, then, that the continuous participation of the past years will be maintained and enhanced also in this event. AIDIC however continues to invite all the Italian specialists to see this event as an opportunity to exchange up-to-the minute information on industrial needs, new technology developments and research opportunities. The previous events attracted leading Industrialists and Academics from all over the world and provided a state of the art on Chemical and Process Engineering. Conference Participation both confirmed once again the International character and appeal reached by IChEaP-Series and demonstrated the need for having a permanent forum and record of International R&D activities.

FORMAT AND TOPICS

The major aim of **ICheaP-9** is to review the latest development, needs and issues on the thematic areas covered in general by emerging references of Chemical Engineering Science.

The Conference technical program is structured in parallel sessions, which will be held over three days. The Conference topics will be treated in invited plenary lectures, selected oral presentations and poster sessions.

Topic I REACTION ENGINEERING

- Chemical Reaction Engineering
- Chemical Engineering in the Application of Catalysis
- Polymer Reaction Engineering
- Biochemical Reaction Engineering

Topic II PARTICLE TECHNOLOGY

- Filtration and Separation
- Crystallization
- Mechanics and Particulate Solids
- Drying
- Comminution and Classification
- Characterization of Particulate Systems
- Agglomeration

Topic III ENVIRONMENT, SAFETY, ENERGY, QUALITY

- Loss Prevention, Risk Assessment, HSE Management Systems
- Process Development for Sustainable Environment
- Environmental Impact Assessment and Environmental Protection
- Green House Gases, Emission Trading
- Environmental Remediation
- Energy Saving in the Process Industries
- Quality Assurance, Quality Control, Quality Management Systems

Topic IV NANOTECHNOLOGY

- Composites: Nanoparticles, Nanofillers, Nanoclays
- Coatings: Thin films, Surface characterization, Pigments
- Biomaterials: Drug delivery, medical imaging materials, implants, nanosensors

Topic V FOOD

- Advances in food preservation technologies
- Emerging process technologies and equipments
- New technologies for improving food quality and safety
- Novel and functional products
- Structure properties relationships
- Sustainable food packaging
- Sustainable food production and distribution systems

Topic VI BIOTECHNOLOGY

- Biorefinery: Unit operations and Processing systems.
- Micro/minibioreactor design: Operation and relevance to Scale-up.
- Cell Manipulation and Process Operation: The impact of cellular changes on fermentation and downstream processing.
- Advances in Scaleup/scale down processes
- Stem Cell processing
- Biodegradable polymers processing

Topic VII PROCESS SYSTEM ENGINEERING

- Off-Line Systems
- On-Line Systems
- Computational & Numerical Solutions Strategies
- Integrated and Multiscale Modelling and Simulation
- Computer Aided Process Engineering for the users, society and education

Topic VIII SEPARATION TECHNOLOGY AND TRANSFER

- Fluid Separations
- High Pressure Technology
- Membranes
- Separation challenges in future fuels
- Green solvents, ionic liquids, biofuels
- CO₂ capture
- Integrated, hybrid and multifunctional separations
- Equipment design and operation
- Process troubleshooting and handling operational problems

TOPIC IX: FLUID MECHANICS AND TRANSPORT PHENOMENA

- Fundamentals
- Multiphase Flows
- Microfluidics and nanofluidics
- Industrial Applications

Topic X CAPE-OPEN standards

- Process Modelling Components development and use
- Process Modelling Environments development and use
- Software issues

Topic XI PROCESS INDUSTRY

- Petrochemical and Refining Industry
- Fine Chemical and Pharmaceuticals
- Thermo-electrical Industry

Topic XII PRODUCTION AND PROPERTIES OF MATERIALS

- Polymers
- Ceramics
- Metals
- Composites

Topic XIII THERMODYNAMICS AND INTERFACIAL PHENOMENA

- New Approaches, needs and trends.
- Industrial Applications

ABSTRACT SUBMISSION

Conference official language is English.

Authors wishing to present a contribution are asked to prepare maximum one page abstract to be submitted ONLY by web-page to the Conference Secretariat www.aidic.it/icheap9

The deadline is October 30th, 2008

PUBLICATION POLICY

The full set of accepted papers (in the form of short papers of maximum 6 pages) will be published in a Proceedings volume as *Chemical Engineering Transactions* (ISBN, ISSN, AIDIC copyright) which will be distributed at the Conference desk. AIDIC also offers to Authors the opportunity to be selected for publication in a post Conference Volume included into *AIDIC Conference Series* (Reed Business copyright). Selected papers will be notified after the Conference.

VENUE

ICheaP-9 will be held at

SHERATON ROMA HOTEL
Viale Del Pattinaggio, 100
Rome 00144, Italy

In the heart of Rome's business center, the Sheraton Roma Hotel & Conference Center is a great choice when visiting the capital city. Surrounded by the lush greenery of the EUR district, it is located between the historical city center and Fiumicino/Leonardo Da Vinci Airport.