

**12th INTERNATIONAL CONFERENCE
MULTIPHASE FLOW IN INDUSTRIAL PLANTS
CONTINENTAL TERME HOTEL, Ischia (Napoli), Italy
September 21-23, 2011**

**C
A
L
L

F
O
R

P
A
P
E
R
S**



**ITALIAN ASSOCIATION OF INDUSTRIAL
PLANT ENGINEERING**



**ANIMP MULTIPHASE FLOW
ENGINEERING SECTION**



**UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II
DEPARTMENT OF CHEMICAL ENGINEERING**



**CONSIGLIO NAZIONALE DELLE RICERCHE
ISTITUTO DI RICERCHE SULLA COMBUSTIONE**



**ITALIAN ASSOCIATION OF
CHEMICAL ENGINEERING**

SCOPE

Multiphase flow is a frequent occurrence in the design of process units and industrial plants in the traditional fields of the chemical, nuclear and oil industry as well as in other activities such as energy and environmental processes, food, pharmaceutical and materials handling. Multiphase flow encompasses a number of subjects, from nearly homogeneous flow, as developed in long transport lines of gas-liquid-solid mixtures or in short in-plant circuits, to completely separated flows, as in the case of nuclear or gas-fluidised reactors. The scientific background of multiphase flow technology is broad and multidisciplinary and includes fluid mechanics, thermodynamics, transport phenomena, dynamics of granular and colloidal systems, equipment design.

The "12th Conference on Multiphase Flow in Industrial Plants", organised by the Multiphase Flow Engineering Section of ANIMP (Italian Association of Industrial Plant Engineering) together with the Department of Chemical Engineering of the University of Naples Federico II, Istituto di Ricerche sulla Combustione of Consiglio Nazionale delle Ricerche and AIDIC SUD Section (Italian Association of Chemical Engineering), aims at providing a qualified forum of discussion of fundamentals and industrial applications of multiphase flow for researchers and engineers working in different scientific and industrial environments.

Typical areas of interest of the Conference are:

- **Generation of multiphase flows**
- **Dynamics of dense and dilute multiphase systems**
- **Multiphase mass transfer operations and multiphase chemical reactors**
- **Pneumatic conveying, transport and pumping systems, process equipment**
- **HSE multiphase flows: Emergency and Loss Prevention**
- **Hazardous material handling and contaminated site remediation**
- **Mixing and separation systems**
- **Diagnosis, measurement and control of flow parameters**
- **Simulation of multiphase flows**

The Conference topics are relevant to:

- **Oil & Gas Industry**
- **Nuclear components and sub-systems**
- **Chemical and petrochemical industry**
- **Energy and Environment**
- **Pharmaceutical industry**
- **Food and nutraceutical industry.**

PROGRAMME

The technical programme will include presentations of scientific papers as well as case histories, experiences and advanced engineering applications. Scientific contributions are expected to include original experimental work or development of mathematical modelling.

Authors interested in submitting a paper are invited to send an abstract of about 200 words in English to the Secretariat of the Scientific Committee (E-mail: mfip2011@unina.it) before **December 15, 2010**.

- ✓ Abstract acceptance, together with instructions for the preparation of the final paper, will be notified by **January 31, 2011**.
- ✓ Full-length manuscripts, not exceeding 12 pages (including text, references and figures), will have to be submitted within **March 30, 2011**.
- ✓ Paper acceptance will be notified by **May 30, 2011**.
- ✓ The final programme will be issued by the end of **June 2011**.

Selection criteria will be based on the pertinence of papers to the themes of multiphase flow, as well as on the originality and technical and scientific importance of the contributions. Accepted papers will be published in the Conference Proceedings that will be distributed to participants. Authors have the option to present their contribution as oral or poster presentation. English will be the official language of the Conference.

VENUE

The Conference will take place at the Continental Terme Hotel, in Ischia Porto (NA), Italy (www.continentalterme.it). Ischia is easily reached by plane (Capodichino airport of Napoli) or by train (TAV - High-Speed Railway Roma-Napoli) and then proceeding by boat from the neighbouring harbours "Molo Beverello" (hydrofoils) and "Calata di Massa" (ferries) or, alternatively, from "Mergellina" (hydrofoil) to Ischia Porto. Hotel Continental can be reached from Ischia Porto by taxi or by public bus. Further details can be found at www.ischiaonline.it.

INTERNET INFORMATION, CONFERENCE REGISTRATION and BOOKING FORM

Further informations about conference fees, registration and accommodation will be available on the INTERNET and in the final programme. The website of the conference is: <http://www.animp.it/mfip2011/index.aspx>

SCIENTIFIC COMMITTEE

Barry Azzopardi (University of Nottingham, UK), **Giancarlo Baldi** (Politecnico di Torino, IT), **Antonio Bennardo** (eni r&m division, IT), **Franco Berruti** (University of Western Ontario, CA), **Renee Boerefijn** (PURAC Biochem, NL), **Alberto Brucato** (Università di Palermo, IT), **Gian Piero Celata** (Enea Casaccia, IT), **Riccardo Chirone** (CNR-IRC, IT), **Marwan Darwish** (American University of Beirut, LB), **Renzo Di Felice** (Università di Genova, IT), **John Dennis** (University of Cambridge, UK), **Dario Ercolani** (ILF, Monaco - DE), **Brunello Formisani** (Università della Calabria, IT), **Francesco Ferrini** (Techfem S.r.l., IT), **Rodney Fox** (Iowa State University, USA), **Maria Gavrilescu** (Gheorghe Asachi Technical University of Iasi, RO), **Mojtaba Ghadiri** (University of Leeds, UK), **Filip Johnsson** (Chalmers University of Technology, SE), **Hans Kuipers** (Technical University of Eindhoven, NL), **Paola Lettieri** (University College of London, UK), **Franco Magelli** (Università di Bologna, IT), **Michele Margarone** (eni e&p division, IT), **Antonio Marzocchella** (Università di Napoli, IT), **Agostino Mazzoni** (Consulente GFI, IT), **Alvin Nienow** (University of Birmingham, UK), **Massimo Poletto** (Università di Salerno, IT), **Luigi Raimondi** (XPsim, IT), **Marek Ruzicka** (Czech Academy of Sciences, CZ), **Piero Salatino** (Università di Napoli, IT), **Libero Sesti Osseo** (Università di Salerno, IT), **Alfredo Soldati** (Università di Udine, IT), **Martin Sommerfeld** (Martin-Luther Universität Halle, Wittenberg, DE), **Alessandro Terenzi** (Saipem S.p.A., B.U. Onshore, IT), **Jürgen Tomas** (Otto-von-Guericke-University Magdeburg, DE), **Jose Manuel Valverde Millan** (Universidad de Sevilla, SP), **Joachim Werther** (TUHH, DE), **Gabriel Wild** (CNRS-ENSIC-INPL, FR).

ORGANIZING COMMITTEE

Piero Salatino (Università di Napoli), **Riccardo Chirone** (CNR-IRC), **Antonio Marzocchella** (Università di Napoli), **Francesco Ferrini** (TECHFEM), **Gian Piero Celata** (ENEA Casaccia, Roma), **Francesco Di Natale** (Università di Napoli), **Amedeo Lancia** (Università di Napoli), **Fabio Montagnaro** (Università di Napoli), **Giuseppe Olivieri** (Università di Napoli), **Fabrizio Scala** (CNR-IRC), **Roberto Solimene** (IRC-CNR), **Anna Valenti** (ANIMP).

SCIENTIFIC COMMITTEE SECRETARIAT

Anna Pastore

Dipartimento di Ingegneria Chimica
Università degli Studi di Napoli Federico II
Piazzale Tecchio 80, 80125 Napoli (Italy)
Ph.: +39 0817682258
Fax: +39 0815936936
E-mail: mfip2011@unina.it

ORGANIZING SECRETARIAT OF THE CONFERENCE

Anna Valenti

ANIMP
Via Enrico Tazzoli, 6
20154 Milan – Italy
Ph. +39 02 6710 0740 –
Fax +39 02 6707 1785
E-mail: anna.valenti@animp.it
www.animp.it

IMPORTANT DEADLINES

December 15, 2010, Abstract submission
January 31, 2011, Abstract acceptance notification
March 30, 2011, Full-length manuscript submission
May 30, 2011, Comments returned to authors
June 30, 2011, Final manuscript submission
September 21-23, 2011, Conference date

