

CALL FOR COMMUNICATION

MULTIPHASE 2015: 16th INTERNATIONAL WORKSHOP on TRENDS IN NUMERICAL AND PHYSICAL MODELING FOR INDUSTRIAL MULTIPHASE FLOWS
Cargèse, Corsica, France
September 14 - 18, 2015

Organized by
CMLA, Centre de Mathématiques et de Leurs Applications, ENS Cachan and
CNRS, France
LRC MESO, CMLA and CEA/DAM/DIF

Sponsored by
CEA/DAM/DIF, Commissariat à l'Energie Atomique et aux Energies Alternatives
To be completed

The pdf flyer can be downloaded at
http://cargese.math.cnrs.fr/files/Annonce_Multiphase_2015_V0.pdf

WORKSHOP SUBJECT

Multiphase flow phenomena are frequently encountered in industry in the traditional fields of the chemical, nuclear and oil industry. 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 composite and includes fluid mechanics, transport phenomena, equipment design and other fundamentals, such as surface thermodynamics and sprays.

The workshop focuses on:

- > Oil & Gas Industry
- > Thermohydraulics for Nuclear Energy
- > Chemical and petrochemical industry
- > Rarefied mixture of gases
- > Spray dynamics
- > Sloshing of liquids in tanks
- > Shock attenuation by aqueous foams
- > Marine renewable energy
- > Effects of uncertainties in numerical simulation.

PROGRAM

Scientific contributions are expected to include numerical simulations, experimental work or development of original mathematical modeling. Authors interested in submitting a communication are invited to send an abstract of about 200 words in English to the Organizing Committee (e-mail: daniel.chauveheid@cmla.ens-cachan.fr) before July 15th, 2015. Abstract acceptance, will be notified by August 15th, 2015.

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. All contributions will be oral. English will be the official language of the Workshop.

Authors and people wishing to attend the Workshop are recommended to observe the deadlines strictly and send the application form for preliminary registration in due time.

The final program will be issued at the end of August 2015.

VENUE OF THE WORKSHOP

The Workshop will be held at the Institut d'Etudes Scientifiques de Cargèse (Corsica), France, from the 14th to the 18th of September 2015. Cargèse is located on the west coast of Corsica. The Center is on the sea shore. Transportation will be organized by shuttle from and to Ajaccio International Airport on the 13th and on the 18th. Please consult also the [web site of IESC](#).

INTERNET INFORMATION AND WORKSHOP REGISTRATION

Further information about Workshop fee, registration and accommodation will be available on the INTERNET and in the final program. The website of the Workshop is: <http://cargese.math.cnrs.fr/>

SCIENTIFIC COMMITTEE

J.-M. Ghidaglia (CMLA, ENS Cachan) Chairman, D. Bouche (CEA, DAM, DIF - Bruyères, France), L. Brosset (GTT), R. Conte (CMLA, ENS Cachan), L. Desvillettes (CMLA, ENS Cachan), F. Dias (UCD, Dublin, Eire), D. Lakehal (ASCOMP, Zürich, Switzerland), P.-H. Maire (CEA, DAM, CESTA - Le Barp, France), R. Masson (Nice University, France), N. Méchitoua (EDF, Chatou, France), R. Motte (CEA, DAM, DIF - Bruyères, France), K. Nielsen (ENI, Milano, Italy), L. Quivy (Paris Nord University), B. Rebouret (CEA, DAM, DIF - Bruyères, France), T. Thouvenot (VEOLIA, Paris), F. De Vuyst (CMLA, ENS Cachan), D. Youngs (AWE, UK)

ORGANIZING COMMITTEE

Daniel Chauveheid (CEA, DAM, DIF), Joris Costes (EUROBIOS).

MULTIPHASE 2015 SECRETARIAT

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IMPORTANT DEADLINES

July 15, 2015, Abstract submission
August 15, 2015 Abstract acceptance notification
September 14-18, 2015, Workshop date