

International Workshop on Numerical Simulation for Multimaterial and Multiphysics Flows (IWNM-2015)

August 17-20, 2015

IAPCM, Beijing, China

Announcement



Organized by

- **Beijing Institute of Applied Physics and Computational Mathematics(IAPCM)**
- **National Lab of Computational Physics**
- **Beijing Computational Science Research Center (CSRC)**
- **Software Center for High Performance Numerical Simulation (CAEP-SCNS)**

Supported by National Natural Science Foundation (NSFC)

BACKGROUND

The objective of the workshop is to bring together experts, researchers and students with interest in numerical simulation for multimaterial and multiphysics flows and their application in science and engineering fields. The workshop keeps the tradition of the computational fluid dynamics (CFD), and an emphasis is put on multi-material flows, neutron transport, multiphysics flows and mixing in various fields such as inertial confinement fusion, combustion, chemical industry, astrophysics, etc. As has been done in the past, a special effort has been made for young scientists to attend this conference and to promote their interaction with the more senior researchers.

The series of the international workshops were initiated by the Institute of Applied Physics and Computational Mathematics with the first workshop held in IAPCM, Beijing, China in 2009. It is anticipated that the 4rd workshop will provide an opportunity for the researchers to exchange the ideas and create the knowledge in the field of the modeling and numerical simulations of compressible multi-material flows and multiphysics problems.

ABSTRACT SUBMISSION

The abstract is limited to a single A4 paper, and should include the title of the paper, authors' names and affiliations, a concise statement of the problem, method of approach, results and discussion, and conclusions. Please submit your abstract to

IWNM2015@iapcm.ac.cn via email.

Topics include but not limited to

- Numerical methods for multimaterial flows
- High order and high resolution methods for hydrodynamics
- Modeling and simulation of turbulent mixing and multiphase flows
- Numerical methods for neutron transport
- Heat conduction
- Multiphysics flows

IMPORTANT DATES

- Deadline of abstracts: March 15, 2015
- Notification of acceptance: March 31, 2015

NO REGISTRATION FEES