

The Second International Symposium on Physics of Fluids (ISPF2)

9-12 June, 2008, Jiuzhaigou, China

From its origins as a tool primarily for use in aerospace engineering, mechanical engineering, civil engineering and chemical engineering, the application of fluid mechanics and thermodynamics has spread to a wide range of other fields, such as micro-electromechanical systems (MEMS), bio-engineering, nano-technology, and so on. Many advances have been made in the computational and experimental fluid dynamics such as on the turbulence modeling, flow stability, flow visualization and measurement, development of efficient numerical methods for CFD, micro- and nano-flow study, bio-fluidics, moving boundary problem, unsteady flow study, lattice Boltzmann method and its application, meshless method, adaptive approach, immersed boundary method, fluid-structure interaction and energy conversion system. The theme of this Conference is to highlight the current advances and future research and development in physics of fluids with primary focus on the connection between fundamental research and engineering applications. The Conference aims to assess the current status and to identify the future priority and directions in research and applications of computational and experimental fluid dynamics.

The conference will provide an ideal platform and excellent opportunity for researchers and experts in fluid mechanics and thermodynamics to exchange their research ideas and practical experiences.

Scopes

- Aerodynamics
- Flow Stability
- Turbulent Flows
- Unsteady Flows
- Non-Newtonian flows
- Multiphase and Multi-component Flows
- Flows with Moving Boundaries
- Micro and Nano-Flows
- Biological Flows
- Flow Control
- Fluid-Structure Interaction
- Wind Engineering
- Industrial Applications
- High Performance Computing
- Thermodynamics
- Heat and Mass Transfer
- Energy Conversion Systems
- Flow Visualization and Measurement
- Lattice Boltzmann Method
- Numerical Techniques for Flow Problems
- Adaptive Mesh Refinement
- Meshless Methods

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Publications

Selected papers presented in the conference will be published in the special issue of a SCI-listed journal.

Deadlines

Submission	
Abstract due	1 March 2008
Notification on acceptance of abstracts	15 March 2008
Full paper due	1 May 2008
Registration	
Registration from	15 April 2008

For more information, please contact:

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