Important Dates

July 1, 2010: Deadline for presentation submission.

July31,2010 Deadline for presentation has been extended. Please present your paper title /author's name/

Keywords submission through PRESENTATION

SUBMISSION page of ICFD2010 website.

Sep. 3, 2010: Deadline for short paper (A4, 2 pages)

Submission

Please submit your paper through PAPER SUBMISSION page of ICFD2010 website.

Oct. 1, 2010: Deadline for registration.

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ICFD Secretariat

For further details and related questions, please contact

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Seventh International Conference on Flow Dynamics

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November 1st – 3rd, 2010 Sendai International Center Sendai, Japan

http://www.sira.or.jp/icenter/english/index.html

As of Jul. 1, 2010

Seventh International Conference on Flow Dynamics

Second Circular

SCOPE

The Seventh International Conference on Flow Dynamics (ICFD2010) in the annual series will be held at Sendai International Center in Sendai, Japan from November 1st to 3rd, 2010, which is fully supported by Tohoku University Global COE Program: World Center of Education and Research for Trans-disciplinary Flow Dynamics. The objectives of this conference are not only to explore new science horizon and exchange cutting edge technologies of "Flow Dynamics", but also to provide young researchers and students with unique opportunities of education and self-development.

"Flow Dynamics" is a comprehensive scientific field which deals with the flow and transport phenomena concerning to any fluid, any material, energy and information. The Scope of this conference covers the fluid, thermal, material, molecular and quantum dynamics of the multi-scale flows ranging from nano-scale flows such as behaviors of molecules, atoms, ions and electrons, to gigantic scale flows such as solar radiation, air-flow, multi-phase flow and typhoon on earth, oceanic flow and volcanic flow.

On behalf of the organizing committee, we cordially invite scholars, researchers, engineers, educationists and planners in the related research and development fields of bio-, nano-, energy and environmental science and technologies, mechanical engineering, aerospace engineering, nuclear engineering, physics, medical science, chemistry, chemical engineering, etc, to participate in the conference.

We are looking forward to seeing you in Sendai on November 1^{st} to 3^{rd} , 2010.

Plenary Lectures

Prof. Kozo SAITO (University of Kentucky, USA)

Title:"The win-win R&D strategy: How The University of Kentucky's Institute (IR4TD) attained innovative automobile surface coating technology."

Prof. Dimos POULIKAKOS (ETH Zurich, Switzerland)

Title: "Toward Green IT: Petaflop Supercomputers Cooled with Warm Water Combine Microcooling Technologies with Waste Heat Reuse and set a new Norm"

Prof. Javad MOSTAGHIMI (University of Toronto, Canada)
Title:"Radio Frequency Thermal Plasma: The Cutting Edge
Technology in Production of Single-Walled Carbon Nanotube:



This conference consists of the following professional sessions. If you have questions and requests about the session of your interest, please contact the ICFD2010 secretariat (icfd2010@gcoe.ifs.tohoku.ac.jp).

General Session:

GS1: General Session on Multi-Scale Flow Dynamics Organizer: M. Nakano, T. Sato (Tohoku University)

Organized Sessions:

OS1: Fluid Dynamics Aspects of Environmentally Advantageous Hybrid Rockets Organizer: T. Shimada (JAXA), K. Sawada (Tohoku University)

OS2: Aviation Research in Aspects of Environment Organizer: S. Obayashi, K. Asai (Tohoku University) and S. Watanabe (JAXA)

OS3: Advanced Control of Smart Fluids and Fluid Flows Organizer: M. Nakano, Y. Fukunishi (Tohoku University)

OS4: Flow Dynamics in Fluid Machinery Organizer: T. Ikohagi, S. Yamamoto (Tohoku University) and M. Nohmi (Ebara Corporation)

OS5: Molecular and Nanoscale Phenomena in Fluids and Interfaces
Organizer: T. Ohara (Tohoku University), M. Shibahara (Osaka University)

OS6: Flow Dynamics in Thermal Science & Technology Organizer: S. Maruyama, T. Ohara (Tohoku University)

OS7: The Sixth International Students / Young Birds Seminar on Multi-Scale Flow Dynamics

Planned Sessions: (General papers will not be accepted.)
PS1: Workshop on Sustainable Atomization and Spray
Technology (AFI/TFI-2010)
Organizer: J. Ishimoto (Tohoku University)

PS2: Workshop on Functional Plasma Flow Dynamics and its Systems Organizer: H. Nishiyama (Tohoku University), Y. Okuno (Tokyo Institute of Technology) and M. Tanaka (Osaka University)



PS3: International Seminar on Maintenance Science and Technology for Nuclear Power Plants
Organizer: T. Takagi, H. Hashizume (Tohoku University),

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PS4: 4th Functionality DEsign of the COntact Dynamics: (DECO2010)
Organizer: T. Takagi, H. Miki (Tohoku University) and Julien Fontaine (LTDS, France)

PS5: IFS Collaborative Research Forum (AFI/TFI-2010) Organizer: J. Ishimoto (Tohoku University)

PS6: Alumni Session Organizer: S. Maruyama (Tohoku University)

Sendai International Center

Sendai, Japan November 1 – 3, 2010

> PS7: Liaison Office Session Organizer: T. Takagi, M. Ohta (Tohoku University)

> > Publication in Special Issues of Three International Journals

Proceedings will be published.
Selected papers are to be published as the special issues of "Journal of Fluid Science and Technology (JFST)", "Journal of Thermal Science and Technology (JTST)"and "E-Journal of Advanced Maintenance (EJAM)" after the conference.

Please visit ICFD2010 website for the details. http://www.ifs.tohoku.ac.jp/gcoe/ICFD_html/ICFD2010_html/index.html

Registration Fee

Registration Fee: Free
Banquet Fee: General 3,000 JPY
Student 1,000 JPY

Location

The conference will be held at Sendai International Center in Sendai. (http://www.sira.or.jp/icenter/english/index.html) Aobayama, Aoba, Sendai, 980-0856 TEL:+81-22-265-2211

