



Tenth International Conference on Flow Dynamics



November 25 - 27, 2013
Sendai International Center

First Circular SCOPE

Tenth International Conference on Flow Dynamics (ICFD2013), in the annual series, which is hosted by the Institute of Fluid Science, Tohoku University will be held on November 25th through 27th at Sendai International Center, Sendai, Japan. The objectives of this conference are to explore new science horizon by discussing and exchanging information in the most advanced scientific fields and in cutting edge technologies in Flow Dynamics. One of the features of this conference is to provide young researchers and students with unique opportunities of being educated and self-developed through their proactive participation in the conference.

The past nine ICFD conferences were hosted by two Tohoku University COE Programs, "The 21st Century International COE on Fluid Dynamics (21 COE, Year 2003 – Year 2007)" and its successor "Global COE Program World Center of Education and Research for Trans-disciplinary Flow Dynamics (the GCOE, Year 2008 – Year 2012)". The conference accomplished remarkable successes each time in research and education in the field of Flow Dynamics at large. ICFD is now recognized by world researchers, engineers and academicians as the biggest and the most important international conference in Flow Dynamics. The Institute of Fluid Science (IFS) had been the principal operating body of both the 21 COE and the GCOE, and it is worth noting that the GCOE will end in March 2013.

At the occasion of its 70 years anniversary from its launch, IFS is regenerated as a further powerful research institute, particularly in energy related research: its reorganization leads to the creation of three new flow research divisions and the Innovative Energy Research Center. In this new context, IFS decides to continue to host ICFD, and we promise you to keep ICFD's dynamism and integrity cultivated in the past. We really appreciate for your continuing participation in the ICFD2013.

Flow Dynamics is a comprehensive scientific field which deals with the flow and transport phenomena concerning atoms, molecules and nano-scale particles, any fluids, any materials, energy, information, economic activities and so forth. It addresses multiscale and multidisciplinary problems and is involved in all natural phenomena (biochemical processes, corrosion, weather, volcanic eruptions, earth magnetic field and tectonic motions, etc.) and in most of human activities (industrial processes, energy production and saving, transportation, etc.). Through the past successful achievements in ICFDs, Flow Dynamics has become a major academic discipline which is dealing with various difficult tasks that human society is facing at, such as control of nuclear power generators, global warming, energy depletion, diseases, and so on. Flow Dynamics is taking major roles in realization of the future dreams of the people as advanced medicine and medical treatment, aerospace technology, robotics, IT technology accessible by anybody, anytime, anywhere, and so forth. Scientists and engineers, who are working and/or are interested in such kind of areas, please come to the ICFD2013 and extend your research fields and databases.

We cordially invite you, scholars, researchers, educationists, students and planners exploring and studying in the relevant research and development fields of bio-, nano-, material, energy, environmental, planetary and earth sciences and technologies, particularly in the academic field of mechanical engineering, aerospace engineering, nuclear engineering, physics, medical science and engineering, chemistry, chemical engineering and so forth, to join the conference.

About two years have passed since the last East Japan Great Earthquake and Disaster struck the area. In Sendai and the vicinities started the reconstruction works right after, and those are still vigorously going on. Tohoku University activities as well as city lives have recovered quite much to the level they were before, and we feel an air of excitement now in Sendai. We are sure you will enjoy the beautiful scenery and crisp air of Autumn in Sendai in November.

Toshiyuki Takagi, Professor, Institute of Fluid Science,
Tohoku University and

Jean-Yves Cavaille, Professor MATEIS Laboratory,
INSA de Lyon as

General Co-Chair, Tenth International Conference on Flow Dynamics (ICFD2013)

Important Date

July 1 (Mon.), 2013: Deadline for paper title / author's name/ keywords submission

September 1 (Sun.), 2013: Deadline for short paper (2pages) submission

Registration Fee

October 3 (Thu.), 2013: Deadline for Advanced Registration

Advanced Registration Fee (on or before Oct.3): General 20,000 JPY Student 2,000 JPY

On-site Registration Fee: General 25,000 JPY Student 3,000 JPY

Executive Committee Members

- Toshiyuki TAKAGI (General Co-Chair of ICFD2013, Tohoku University)
- Jean-Yves CAVAILLE (General Co-Chair of ICFD2013, INSA de Lyon)
- Toshiyuki HAYASE (Director of Institute of Fluid Science, Tohoku University)

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