

Eleventh International Conference on Flow Dynamics (ICFD2014)

October 8 – 10, 2014
Sendai International Center

First Circular *SCOPE*

The eleventh International Conference on Flow Dynamics (ICFD2014), in the annual series hosted by the Institute of Fluid Science, Tohoku University, will be held on October 8th through 10th at the Sendai International Center, Sendai, Japan. The objectives of this conference are to explore new horizons in science by discussing and exchanging information related to the most advanced scientific fields and to cutting edge technologies in Flow Dynamics. ICFD is now recognized by world researchers, engineers and academicians as the biggest and the most important international conference in field of Flow Dynamics. It has also played an important role of initiating international research collaborations. It should be noted that another significance of this conference is that it provides young researchers and students with unique opportunities to be educated and self-developed through proactive participation in the conference.

The first nine ICFDs were hosted by two Tohoku University COE Programs, “The 21st Century International COE on Fluid Dynamics (21COE, 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 Institute of Fluid Science (IFS) was the principal operating body for both 21COE and GCOE, the latter which came to end in March 2013. Also, last year, on the occasion of its 70th anniversary, IFS was regenerated as an even more powerful research institute, particularly in energy-related research. Its reorganization has led to the creation of three new flow research divisions and the Innovative Energy Research Center. In this new context, IFS decided to continue to host the conference, and ICFD2013 was held in November of last year. We pledge to maintain ICFD’s dynamism and spirit as a meeting for present-day distinguished scientists of Flow Dynamics as well as for future generations of scientists.

Flow Dynamics is a comprehensive scientific field which deals with flow and transport phenomena concerning atoms, molecules and nanoscale particles, any fluid, any material, energy, information, economic activities and so forth. It addresses multiscale and multidisciplinary problems and deals with all natural phenomena (biochemical processes, corrosion, weather, volcanic eruptions, earth magnetic field and tectonic motions, etc.) and in most human activities (industrial processes, energy production and saving, transportation, etc.). The ICFD conferences have played a significant role in helping Flow Dynamics to become a major academic discipline which is dealing with various difficult tasks faced by human society, such as control of nuclear power generators, global warming, energy resource depletion, diseases, and so on. Flow Dynamics is playing major roles in the realization of the 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 interested in such areas, please participate in the ICFD2014 and extend your domains and databases.

We cordially invite 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 fields of mechanical engineering, aerospace engineering, nuclear engineering, physics, medical science and engineering, chemistry, chemical engineering and so forth, to join the conference.

After the East Japan Great Earthquake and Disaster in March, 2011, Sendai and the vicinities are definitely recovering, although the speed of recovery depends on the area. Fortunately, activities of Tohoku University as well as the lives of people living in the city are already at the pre-disaster level. We believe that you will enjoy the beautiful season and comfortable atmosphere of autumn in Sendai in October.

Hideaki Kobayashi, Professor
Institute of Fluid Science, Tohoku University
and

Fredrik Lundell, Associate Professor
KTH Mechanics, Royal Institute of Technology

General Co-Chairs, Eleventh International Conference on Flow Dynamics (ICFD2014)

Important Dates

June 1 (Sun.), 2014: Deadline for paper title / author’s name / keywords submission

July 16 (Wed.), 2014: Deadline for short paper (2pages) submission

Registration Fee

August 22 (Fri.), 2014: Deadline for Advanced Registration

Advanced Registration Fee (on or before Aug. 22): General 20,000 JPY Student 5,000 JPY

On-site Registration Fee: General 30,000 JPY Student 8,000 JPY

※including the banquet fee

Executive Committee Members

- Hideaki Kobayashi (General Co-chair of ICFD2014, Tohoku University)
- Fredrik Lundell (General Co-chair of ICFD2014, KTH Mechanics, Royal Institute of Technology)
- Toshiyuki Hayase (Director of IFS, Tohoku University)

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