Thirteenth International Conference on Flow Dynamics (ICFD2016)

October 10 - 12, 2016
Sendai International Center
Sendai, Japan

First Circular

SCOPE

The thirteenth International Conference on Flow Dynamics (ICFD2016), in the annual series since 2004, will be held from 10th to 12th October 2016 at the Sendai International Center, Sendai, Japan. The objectives of this conference are to explore new horizons in science and technology 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 the world researchers and engineers as one of the biggest and the most important international conferences in the field of Flow Dynamics. It has also been playing an important role of initiating international research collaborations. It should be noted that ICFD provides young researchers and students with unique opportunities to be 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 (GCOE, Year 2008 - Year 2012)”. Institute of Fluid Science (IFS), Tohoku University, was the principal operating body for both 21COE and GCOE programs, the latter which came to an end in March 2013. In 2013, on the occasion of its 70th anniversary, IFS was regenerated as an even more powerful research institute, particularly in energy-related research, with three new flow research divisions and Innovative Energy Research Center. In this new movement, IFS has continued to support this conference series, and ICFDs were held annually in 2013, 2014 and 2015. 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 molecules, electrons and nanoscale particles, any continuum fluids with and without chemical reaction, any materials, energy, information, economic activities and so forth. It addresses multiscale, multiphysics and multidisciplinary problems and deals with all natural phenomena including bio processes, corrosion, weather, volcanic eruptions, earth magnetic field and tectonic motions, and in most human activities such as industrial processes, energy production & saving, and transportation. The ICFD is expected to play a significant role in encouraging Flow Dynamics to become a major academic discipline which deals with various difficult tasks by which human society is faced, such as control of nuclear power generators, global warming, energy, resource and diseases. Scientists and engineers, who are working or interested in such areas, please participate in the ICFD2016 and extend your domains and international human networks.

ICFD works as a platform of discussion to reach scientific truth and engineering solutions for all the flow-relevant problems. Participants will know when they come to Sendai that a wide variety of sessions are opened to provide the seeds and to fulfill the needs from a viewpoint of flow. 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 all the other areas. It is a beautiful season in Sendai. We believe that you will enjoy comfortable atmosphere of autumn in Sendai.

Kaoru Maruta, Professor
Institute of Fluid Science, Tohoku University
and
Nam Il Kim, Associate Professor,
Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology
General Co-Chairs, ICFD2016

Important Dates

June 1 (Wed.), 2016: Deadline for paper title / author’s name / keywords submission
July 1 (Fri.), 2016: Deadline for short paper (2pages) submission

Registration Fee

August 15 (Mon.), 2016: Deadline for Advanced Registration
Advanced Registration Fee (on or before Aug. 15): General 22,000 JPY Student 7,000 JPY
On-site Registration Fee: General 32,000 JPY Student 11,000 JPY ※including the banquet fee

Executive Committee Members

- Kaoru Maruta (General Co-chair of ICFD2016, Tohoku University)
- Nam Il Kim (General Co-chair of ICFD2016, Korea Advanced Institute of Science and Technology)
- Shigeru Obayashi (Director of IFS, Tohoku University)

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