



The 14th International Conference on Flow Dynamics (ICFD2017)

November 1 - 3, 2017
Sendai International Center
Sendai, Japan

First Circular

SCOPE

The 14th International Conference on Flow Dynamics (ICFD2017), in the annual series since 2004, will be held from 1st to 3rd November 2017 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 largest and the most important international conferences in the field of Flow Dynamics. It has also been playing an important role in initiating international research collaborations. It should be noted that ICFD provides young researchers and students with unique opportunities to develop themselves 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, 2015 and 2016. We pledge to maintain ICFD's dynamism and spirit as a meeting for present-day distinguished scientists in 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 fluid with and without chemical reaction, any material, energy, information, economic activity 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. ICFD is expected to play a significant role in encouraging Flow Dynamics to become a major academic discipline, which deals with various difficult tasks that human society is facing, such as control of nuclear power generators, global warming, energy, resource and diseases. Scientists and engineers, who are working or are interested in such areas, please participate in ICFD2017 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 other areas. This will be a beautiful season in Sendai. We believe that you will enjoy comfortable atmosphere of autumn in Sendai.

Takatoshi ITO, Professor,
Tohoku University
and
Julien Fontaine, Dr.,
Ecole Centrale de Lyon
General Co-Chairs, ICFD2017

Important Dates

July 1 (Sat.), 2017: Deadline for paper title / author's name / keywords submission

August 10 (Thu.), 2017: Deadline for short paper (2 pages) submission

August 31 (Thu.), 2017: Deadline for Advanced Registration

Registration Fee

Advanced Registration Fee (on or before Aug. 31): 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

- Takatoshi Ito (General Co-chair of ICFD2017, Tohoku University)
- Julien Fontaine (General Co-chair of ICFD2017, Ecole Centrale de Lyon)
- Shigeru Obayashi (Director of IFS, Tohoku University)

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