



International Conference on Flow Dynamics
Organized by Institute of Fluid Science, Tohoku University



International Conference on Flow Dynamics (ICFD) is held in Sendai in annual series since 2004. The ICFD is now recognized by world researchers as one of the biggest and most important international conferences in the field of Flow Dynamics.

Flow Dynamics, as a component of Integrated Flow Science, focus on the study of flow and transport phenomena involving electrons, molecules, nanoscale particles, and continuum fluids—with or without chemical reactions—as well as the movement of materials, energy, information, and economic activity. Addressing multiscale, multiphysics, and multidisciplinary challenges, the field spans both natural processes and human activities. As a growing academic discipline, ICFD contributes to solving complex issues facing society, including nuclear power control, global warming, sustainable energy and resource management, and disease mitigation.

Keynote plenary lectures by top-level researchers (3 lectures/year)

This conference presents plenary lectures by world-leading researchers presenting cutting-edge findings. The themes vary each year, covering a wide range of academic fields.



Around 30 organized sessions

Around 30 organized sessions promote knowledge sharing and academic exchange across diverse research fields.



International Scientific Committee

The International Scientific Committee is composed of renowned researchers from around the world and plays a key role of determining the direction and strategy of ICFD.



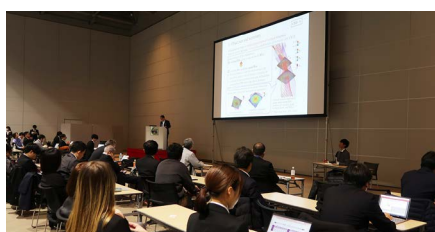
Liaison Office Session

This session brings together representatives from the overseas bases of Tohoku University, including liaison offices from seven countries, with IFS serving as the coordinating department. They will discuss the future of collaborative research and education.



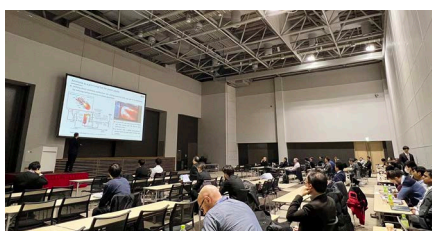
The International Symposium on Advanced Fluid Information (AFI)

The session provides a platform to discuss "Collaborative Research Projects" between the researchers of other institutes and those of Institute of Fluid Science, and to share common interest among participants.



Core to Core Program session (2021 -)

The Core to Core session will focus on reporting and discussing the activities of the program "Construction of an international research exchange center for ammonia combustion and materials toward the realization of a low-carbon society", organized around Institute of Fluid Science, Tohoku University.



ICFD Participation & Presentation for 2004 - 2024

This conference, held annually in Sendai, offers an overview of the entire field of fluid science, including its various subfields. Both the number of participants and presentations have steadily increased, with each session now reaching an international conference scale.

