

An Invitation to Fluid Science

Lecturer : Prof. Atsuki Komiya and 18 faculty members

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Period : 3rd quarter, Every Tuesday and Friday 16:40- (total 15 classes)

1st lecture : Friday, October 2 at 16:40 -

Lecture room, level 2, IFS 1st bldg. Katahira Campus

There are many “flows” in our daily lives. This phenomenon is very complex and manifests itself in various forms. This course covers topics such as aircraft design, microscale phenomena, high-speed nanodroplets, spacecraft, advanced semiconductors, mixing, in-vivo systems, cells, electric and magnetic fields, next-generation batteries, the coexistence of humans and nature, biomolecules, flames, turbopumps, propulsion, materials, and fire, as well as non-destructive testing and combustion related to achieving carbon neutrality. By studying a wide range of fluid phenomena and touring the laboratories, students will learn how to understand the mysteries of “flow.”