

# The Eleventh JSME-KSME Thermal and Fluids Engineering Conference

Date **22nd-25th, October, 2025**

Venue **Okinawa Convention Center**



## Important Dates

March 2025

April 2025

June 2025

July 2025

August 2025

October 2025

Deadline of abstract submission

Notification of abstract acceptance

Deadline of Extended Abstract

EA acceptance notification

Deadline of final EA submission and early-bird registration

J-K TFEC11

## Thermal Engineering Division

### 1. Biothermal Engineering

**Keywords** Biotransport, Medical application

### 2. Combustion

**Keywords** Combustion, Fire and explosion

### 3. Energy Conversion

**Keywords** Fuel cells, Batteries, Energy storage, Thermochemistry, Thermoelectric devices

### 4. Micro/Nano Heat and Mass Transfer

**Keywords** Microscale transport, Nanoscale transport, Porous media

### 5. Multiphase Heat and Mass Transfer

**Keywords** Boiling, Evaporation, Condensation, Phase change, Wettability

### 6. Radiation

**Keywords** Radiation

### 7. Solidification and Melting

**Keywords** Solidification, Melting, Crystal growth, Refrigeration

### 8. Sustainable Energy

**Keywords** Solar energy, Renewable energy, Biomass, Carbon-neutral

### 9. Thermal Management

**Keywords** Electronics cooling, Heat pipe, Heat transfer enhancement, Heat exchanger

### 10. Thermophysical Properties

**Keywords** Thermophysical properties. Measurement

### 11. General Session

## Fluids Engineering Division

### 1. Aeroacoustics/Flow-induced vibration

**Keywords** Experimental aeroacoustics, Acoustic simulation, Flow noise, Flow-induced vibration

### 2. Biofluids and Biomimetics

**Keywords** Biofluids, Biomimetics, Medical applications

### 3. Complex Fluids

**Keywords** Non-Newtonian fluids, ER/MR fluids, EHD, MHD, Ferrofluid, Plasma, Other Field-responsive fluids and soft matter

### 4. Computational Fluid Dynamics

**Keywords** Computational fluid dynamics, Physical/Mathematical modeling, Machine learning

### 5. Fluid Machinery and Renewable Energy

**Keywords** Turbomachinery, Energy conversion, Wind turbine, Hydro turbine, Marine turbine

### 6. Fundamental Flows and Flow Controls

**Keywords** Jets, Wakes, Separated flows, Flow controls, Plasma actuator

### 7. Multiphase/Multicomponent Flows

**Keywords** Multiphase flows, Bubbles and droplets, Interface, Phase change

### 8. Micro/Nano Fluids

**Keywords** Micro and nano scale, Transport phenomenon, Interface, Rarefied gas

### 9. Turbulence

**Keywords** Wall turbulence, Free turbulence, Laminar-turbulent transition

### 10. General Session

## TED/FED Joint Session

### 1. Measurement Technique

**Keywords** Optics, Measurement, High precision

### 2. AI and Machine Learning

**Keywords** AI, Machine learning

## Organized by



The Japan Society  
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