Sustainable Fnergy

Biothermal Engineering

Combustion

Micro/Nano Heat

Multiphase Heat

Fluid Science



The Eleventh

JSME-KSME

Date 22nd-25th, October, 2025

Venue Okinawa Convention Center

Thermal and Fluids







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

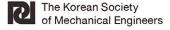
TED/FED Joint Session

- 1. Measurement Technique
 - Keywords Optics, Measurement, High precision
- 2. Al and Machine Learning
 - Keywords Al, Machine learning

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