

18<sup>th</sup> ASIAN CONGRESS OF FLUID MECHANICS

# 18 ACFM



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SEOUL, KOREA | 10<sup>Wed</sup> – 13<sup>Sat</sup> SEPT., 2025



## Plenary Lectures



**Prof. Alan Jeffrey Giacomini**  
University of Nevada, USA

**Unveiling Polymer Viscoelasticity  
through Bead-Rod Modeling**



**Prof. Hee Chang Lim**  
Pusan National University, Korea

**Machine Learning-Based Solutions and  
Applications for Various Fluid Dynamics  
Problems**



**Prof. Hongyou Liu**  
Lanzhou University, China

**Turbulence Analysis of  
Sandstorm Processes**



**Prof. Joseph Mathew**  
Indian Institute of Science, India

**Turbulent Jets**

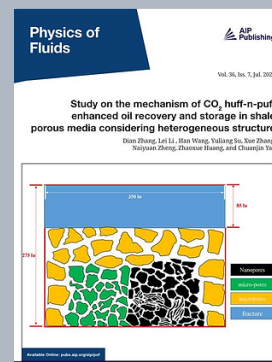


**Prof. Marie Oshima**  
The University of Tokyo, Japan

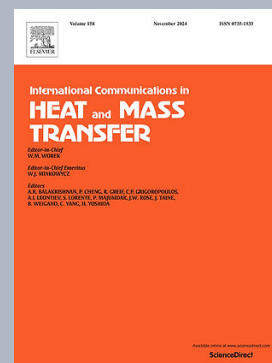
**Patient-Specific Blood Flow Simulations  
for Clinical Insights and Applications**



## Special Issues



### Physics of Fluids



### International Communications in Heat and Mass Transfer



Organized by  
The Korean Society  
of Visualization

Chair | Prof. Simon Song & Prof. Heuy-Dong Kim  
Secretary General | Prof. Jaiyoung Ryu

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## Topics

- ✓ Aeroacoustics, aerodynamics and astronautics
- ✓ Biological fluid mechanics
- ✓ Boundary layer flows
- ✓ Combustion and Chemical fluid mechanics
- ✓ Compressible flows and shock wave dynamics
- ✓ Computational fluid dynamics
- ✓ Data-driven fluid mechanics
- ✓ Energy conversion and thermo-fluid dynamics
- ✓ Environmental fluid mechanics
- ✓ Flow control and measurement
- ✓ Flow induced noise and vibration
- ✓ Flow instability
- ✓ Fluid machinery and rotating flows
- ✓ Free shear and free surface flows
- ✓ Granular and suspension flows
- ✓ Heat and mass transfer flows
- ✓ Hemodynamics
- ✓ Hydraulics and pneumatics
- ✓ Membrane and porous media flows
- ✓ Micro and nano fluid mechanics
- ✓ Multi-phase and reacting flows
- ✓ Non-Newtonian flows
- ✓ Turbulence
- ✓ Unsteady and transient flows
- ✓ Others



## Important Dates

Abstract Submission  
Mar. 1, 2025

Notification of Acceptance  
Apr. 1, 2025

Program Open  
May. 1, 2025

Early Registration  
May. 1, 2025



## Submission

- Authors are invited to submit a **one-page abstract** and will also have the option to submit a full paper.
- A **limited number of full papers** will be selected for submission to special issues of Physics of Fluids. Also, some will be recommended for publication in the Journal of International Communications in Heat and Mass Transfer.



## Registration

Early

Standard

Regular

495 USD

595 USD

Student

225 USD

325 USD

Accompanying Person

120 USD

120 USD



## Venue & Hotel



### aT Center (Venue)

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Gangnam Station ([www.at.or.kr](http://www.at.or.kr))



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