

OS23: Aerospace Heat, Fluid Engineering, and Mathematical Physics: Nonlinear Dynamics and Stochastic Processes with JST CREST

November 11, 2025

EX-Hall-1B

OS23-1/
OS15-19
15:35-15:55 **Study on Laminar-Turbulence Transition Process in Supersonic Boundary Layer Based on Variational Mode Decomposition and Optimal Perturbation Analysis**
Nobutaka Taniguchi, Aiko Yakeno (Tohoku University, Japan)

OS23-2/
OS15-20
15:55-16:15 **Large Eddy Simulations on Heat Flux Characteristics of Apollo-shaped Capsule**
Kento Inokuma, Aiko Yakeno, Baptiste Ridolfi (Tohoku University, Japan), Shuto Yatsuyanagi, Hideyuki Tanno (Japan Aerospace Exploration Agency, Japan)