

OS11: Complex Thermofluid System

EX-1

November 7, 2018

14:00-14:20 OS11-1

Invited

An Experimental Investigation on Streamwise Distance and Density Ratio Effects on Double-Jet Film-Cooling

J. Yao, J. Wu, J. He, J. Lei, Y. Fang

14:20-14:40 OS11-2

Invited

Study of Acoustic Streaming Flows Induced by Asymmetric Triangular Structure Using Micro-PTV

M.-H. Lin, W.-H. Tien

14:40-14:55 OS11-3

Study on the Characteristics of Refrigerant Gas Bearing for Heat Pump

C. Rong, Y. Li, H. Wu, H. Lian

14:55-15:10 OS11-4

Motion of Ferrofluid Drop in a Rotational Magnetic Field

W.-Z. Peng, J.-Y. Lu, C.-J. Teng, C.-Y. Chen

15:10-15:25 OS11-5

Trajectory of a Non-magnetic Particle Transported by a Rotating Magnetic Particle Chain

C.-R. Lin, W.-Y. Lo, C.-Y. Lu, C.-Y. Chen

15:40-16:00 OS11-6

Invited

A CFD Investigation for Heat Convection Around a Rotating Cylinder

C.-C. Lin, K.C. Lin

16:00-16:20 OS11-7

Invited

A User Friendly Framework for Multiscale Fluid Simulation

C.G. Li, M. Tsubokura

16:20-16:35 OS11-8

Numerical Investigation of the Enhancement in Thermal Performance by Modifying the Cooling Plate Flow Field designs of Polymer Electrolyte Membrane Fuel Cells

K. Chandramouli, A. Prakash K

16:35-16:50 OS11-9

Simulation of Supersonic Flow Over a Side Jet

C.-H. Wu, Y.-Y. Niu, Y.-J. Chou

16:50-17:05 OS11-10

Simulation of Heat and Fluid Flow in Compressed Cylinder

G.L. Lin, C.Y. Chen

17:20-17:40 OS11-11

The Numerical Work of IC Engine Simulation by Fully Compressible Flow Solver in Hierarchical Cartesian Mesh System

W.-H. Wang, C.-G. Li, M. Tsubokura

17:40-17:55 OS11-12

Flow Simulation over a Single Rotating Propeller and Cowling

S.-C. Wang, C.-Y. Chen, K.-B. Lua

17:55-18:10 OS11-13

Simulation of Blast Waves Inside a Nozzle Tube

S.-I. Huang, Y.-Y. Niu

9:00-9:20 OS11-14

Invited

Recent Progress on the Development and Application of a Parallel Computational Platform: Rigorous Advanced Plasma Integration Testbed (RAPIT)

Y.-M. Lee, M.-H. Hu, K.-L. Chen, J.-S. Wu

9:20-9:40 OS11-15

Invited

Numerical Modeling of a Thermal-Plasma-Assisted Green-House Gas Abatement System

S.-W. Chau, Y.-T. Lin, S.-H. Chen

9:40-10:00 OS11-16

Invited

Thermal Characterization of an Atmospheric-Pressure Air DBD Reactor

K.-M. Lin, C.-H. Cheng, W.-Y. Guo, R.-J. Zhan

10:00-10:15 OS11-17

Simulation of Viscoelastic Fluid In Hele-Shaw Cell

J.-H. Cheng, Q. Li, C.-Y. Chen

10:15-10:30 OS11-18

Computation of Unsteady Euler Equation JPL Nozzle Flows

W.-H. Shih, Y.-Y. Niu

10:40-11:00 OS11-19

Invited

Quantum Chemical Inspection on the Liquid Sodium-Water Reaction

A. Suzuki, M. Miyano, R. Miura, J. Saito, K. Ara

11:00-11:20 OS11-20

Invited

A Microfluidic Chip with Controlled Temperature Gradient for DNA Melting Analysis

F.-W. Liu, Y.-W. Lu, H.-F. Liao, S.-P. Lin

11:20-11:40 OS11-21

Invited

Investigation of Air-Water Mist Flow in a Square Channel with V-shaped Ribs

K.-T. Huang, Y.-H. Liu

11:40-12:00 OS11-22

Effect of Force acts on Axisymmetric Electrochemistry Machining Model With Oscillation Tool

S.-Y. Lin, V.-P. Mai, C.-C. Chen