

OS13: Flow Realization, Measurement and Visualization

November 7, 2019

CON-1

- OS13-1 **Development of Acoustic Resonance Tube for Evaluating Time Response Characteristics of Unsteady Pressure-Sensitive Paints**
9:00-9:20 Daiju Numata, Soichiro Kawazoe, Ayana Wakayama (Tokai University, Japan)
- OS13-2 **Two-Dimensional Ultrasonic-Measurement-Integrated Blood Flow Analysis for the Arm Artery : Blood Flow in Radial Artery**
9:20-9:40 Seiichi Kimura, Suguru Miyauchi, Toshiyuki Hayase, Kosuke Inoue (Tohoku University, Japan)
- OS13-3 **Fundamental study of Three-Dimensional Ultrasonic-Measurement -Integrated Blood Flow Analysis System: Verification of 3D-UMI Simulation Algorithm with Flow Phantom Experiment**
9:40-10:00 Hirose Kudo, Suguru Miyauchi, Toshiyuki Hayase, Kosuke Inoue (Tohoku University, Japan)
- OS13-4 **Skin Friction Correlation for Shock-Boundary Layer Interaction Flows**
10:00-10:20 Maitri Kshetrimayum, Viren Menezes, Kiran Joy Irimpan (Indian Institute of Technology Bombay, India)
- OS13-5 **Development of a Three-Dimensional Calibration Method for Particle Tracking Velocimetry with Light Emitting Diodes**
10:40-11:00 Satoshi Shimizu, Souta Yamauchi, Masaharu Matsubara (Shinshu University, Japan)
- OS13-6 **Development of a Dynamic Anemometer Sensor Based on the Flexible Printed Circuit Technology**
11:00-11:20 Takumi Miyakoshi, Tatsuya Ito, Mataru Ito, Masaharu Matsubara (Shinshu University, Japan)
- OS13-7 **Experimental Investigation of Time-averaged Bubble Velocity in a 3x3 Rod Bundle under Pool Condition**
11:20-11:40 Pei-Syuan Ruan, Shao-Wen Chen, Min-Song Lin, Jin-Der Lee (National Tsing Hua University, Taiwan), Jong-Rong Wang (Nuclear and New Energy Education and Research Foundation, Taiwan), Chunkuan Shih (National Tsing Hua University / Nuclear and New Energy Education and Research Foundation, Taiwan)
- OS13-8 **Reynolds Number Effects on Laminar Mixing in a Blade-Free Planetary Mixer**
11:40-12:00 Takayuki Yamagata, Nobuyuki Fujisawa (Niigata University, Japan)
- OS13-9 **Investigation of Flow Instability around Stator Blades in Stall Condition**
13:10-13:30 Sawako Shiohara, Tom Tanaka (Shinshu University, Japan), Yoshihide Mori (AISIN AW CO., LTD., Japan), Shouichiro Iio (Shinshu University, Japan)

- OS13-10 **Experimental and Numerical Studies on Flow Field Around an Undershot Type
13:30-13:50 Cross-Flow Water Turbine**
Tianbo Wang, Hayato Shikama, Takayuki Yamagata, Nobuyuki Fujisawa (Niigata
University, Japan)
- OS13-11 **Influence of Liquid Flow on Evaporation during Hot Air Drying of PVA Solution**
13:50-14:10 Daisuke Suzuki, Takahiro Ono, Takashi Yamada, Naoki Ono (Shibaura Institute of
Technology, Japan)
- OS13-12 **Experimental Investigation of Heat Transfer Performance in Pool under Ultrasonic
14:10-14:30 Vibration**
Yu-Ting Su, Shao-Wen Chen, Fang-Chin Liu, Jin-Der Lee, Wei-Keng Lin (National
Tsing Hua University, Taiwan), Jong-Rong Wang (Nuclear and New Energy
Education and Research Foundation, Taiwan), Chunkuan Shih (National Tsing
Hua University, Taiwan)