

Tentative Program: Poster Presentations

Last Update: Jun. 29, 2011

Jul. 26 (Tue.)	
3F Lobby	
Evening Session (Poster Session)	
Jul. 26 (Tue.), 18:00 - 20:00, 3F Lobby	
AJK2011-03076	Effects of Wall Condition of a Plunging Body on Splash (from S03) M. Yokoyama, Y. Kubota, O. Mochizuki (Toyo University)
AJK2011-16002	Fluid Flow Characteristics around a Pair of Diamond-Shaped Cylinders in Side-by-Side and Tandem Arrangements (from S16) S. Torii, N. Ueda, Z. Lin (Kumamoto University)
AJK2011-16011	Characteristics of Impinging Water Jet Discharged from a Central-Body Nozzle (from S16) C. Kang, L. Zhou, W. Wang, H. Liu (Jiangsu University)
AJK2011-18008	Numerical Study on an Outlet Plenum of the PBMR (from S18) J. Ju, S. Lee, K. Kim (Inha University)
AJK2011-19009	Numerical Investigation for the Effect of Blood Flow Rate and Asymmetric Bifurcation Angle on the Anterior Circulation Aneurysm Formation (from S19) S. Kim, K. Ro, H. Ryou (Chung-Ang University)
AJK2011-21013	An Experimental Study on Turbulent Mixing of High-Schmidt-Number Scalar in Grid Turbulence by means of PIV and PLIF (from S21) H. Suzuki, K. Nagata, Y. Sakai, R. Ukai (Nagoya University)
AJK2011-22017	Coupled Design and Optimization for Runner Blades of a Tubular Turbine based on the Boundary Vorticity Dynamics Theory (from S22) F. Li, H. Fan, Z. Wang, N. Chen (Department of Thermal Engineering, Tsinghua University)
AJK2011-22027	Study of Heat Transfer Characteristics for the Fuel Cell System of the Humidifier due to Analysis and the Hot Testing (from S22) S. Kim (POSCO POWER), Y. Oh, J. Lee, S. Lee, J. Kim (POSCO POWER inc R&D center)
AJK2011-22038	Effect of Bell Mouth Geometries on Flow Rate in Centrifugal Blower (from S22) S. N. Pham, J. Kim (Fluid Lab-Mechanics department-Sunmoon university)
AJK2011-22057	Stochastic Optimization Models and Method in the Problem of System Improvement of Turbomachines (from S22) M. L. Ugryumov, V. E. Afanasjevska, O. A. Tronchuk (KhAI), A. V. Myenyaylov (JSC "Motor Sich")
AJK2011-22062	Design a Typical Gas Turbine based on Thermodynamic Relations and CFD Analysis of Its Rotor Blade (from S22) S. Khamesi (Department of Mechanical Engineering, Science and Research Branch, Islamic Azad University, Khorasan Razavi, Neyshabur, Iran), M. Mohammadi, E. Poursaeidi (Department of Mechanical Engineering, Zanjan University, Zanjan, Iran)
AJK2011-22078	Development of a Small Capacity Waste Pressure Steam Turbine (from S22) C. Lee (Dept. of Mechanical Engineering, Univ. of Suwon), H. G. Kil (USW)
AJK2011-31010	Experiments on Swirling Flow in a Vertical Circular Tube (from F01) T. Chang (KISTI)
AJK2011-31018	Influence Analysis of Pipe Break for Water Supply System (from F01) J. Hu (HHU)
AJK2011-31022	Digitalization of High Accuracy Thermo-Anemometer for Heat Flux Measurement in Stratified Flow (from F01) S. Sanae, K. Ohba (NNCT)
AJK2011-31024	National Measurement Infrastructure for High-Pressure Natural Gas and Traceability Practices (from F01) J. Shaw (Center for Measurement Standards/ITRI)
AJK2011-35010	DEM Simulation for Specific Gravity Separation of Plastic Particles using Air-Table (from S26) Y. Tsunazawa, T. Wang, K. Torigoe, C. Tokoro (Waseda University)
AJK2011-35012	Natural Convection Correlation for Circular Finned Tube Heat Exchanger (from S26) H. Kang (KNU), H. Jang (Incheon Human Resources Development Institute)
AJK2011-36007	Dynamics of Elliptic Magnetic Particles in Simple Shear Flow (from F06) T. Kang (KAU), M. Hulsen, J. Den Toonder (TU/e)
AJK2011-36009	Single Cell Stimulation Assay: Microfluidic Substance Delivery to a Laterally Trapped Cell (from F06) K. Terao (Kagawa Univ.), M. Gel (The University of Tokyo), A. Okonogi (Kyoto University), T.

	Suzuki (Kagawa University), F. Oohira (Kagawa University), M. Washizu (The University of Tokyo), H. Kotera (Kyoto University)
AJK2011-36012	Size-Exclusion Surface Plasmon Resonance Sensing with a Microslit Array Chip (from F06) N. Nagase, K. Shimizu (Kagawa University), N. Miyanishi (Toyo University), S. Shimamoto, K. Terao, T. Suzuki, F. Oohira (Kagawa University)
AJK2011-36025	Development of a Three Dimensional Passive Lamination Micromixer (from F06) T. Nakahara, N. Ootani, T. Asanuma (Kagawa University), Y. Hagio, D. Hiramaru (Kyoto University), K. Terao (Kagawa University), A. Okonogi (Kyoto University), F. Oohira (Kagawa University), H. Kotera (Kyoto University), T. Suzuki (Kagawa University)
AJK2011-36028	Numerical Simulation of Adiabatic Two-Phase Flow in Micro-Channels (from F06) N. La Forgia, M. Fernandino, C. A. Dorao (NTNU)
AJK2011-36036	An Integrated Micro/Nanofluidic System for Processing of Protein Samples (from F06) S. Kim, T. Han, K. Anwar (Department of Mechanical Engineering, Inha University)

5F Lobby

Evening Session (Poster Session)

Jul. 26 (Tue.), 18:00 - 20:00, 5F Lobby

AJK2011-04031	Numerical Analysis of Ventilated Cavitation using Non-Condensable Gas Injection on Underwater Vehicle (from S04) D. Kim, W. Park, C. Ha (Pusan National University)
AJK2011-06020	A Acoustics Method of Judging Inception Cavitation of Runner of Model Pump Turbine on Pump Condition (from S06) Y. Zhao, Z. Liu (Harbin Institute of Large Electoral Machine Hydro-Turbine Lab)
AJK2011-06049	Influence of Axial Vane on Inner Flow and Performance of Molten-Salt Pump (from S06) C. Kang, L. Zhou, W. Wang, M. Yang (Jiangsu University)
AJK2011-06054	Performance Analysis of 2 Stage Mixed Flow Pump for Seawater Lifting (from S06) Y. Kim, N. Woo, J. Kwon, S. Chung (KIGAM)
AJK2011-06072	Optimization Design of Auxiliary-Impeller in Centrifugal Pumps based on Orthogonal Method (from S06) J. Yuan, R. Jin, S. Li, L. Wang, A. Ge (Research Center of Fluid Machinery Engineering and Technical, Jiangsu University)
AJK2011-06074	Numerical Determination of the Acoustic Impedance of a Centrifugal Pump (from S06) R. Barrio, E. Blanco, J. Keller, J. Parrondo (Universidad de Oviedo), J. Fernández (Unex)
AJK2011-06086	Numerical Simulation and Experimental Study on Different Stages Submersible Pump (from S06) L. Zhou (Jiangsu University)
AJK2011-07017	Study on the Flooding Phenomena and Performance Enhancement of PEM Fuel Cell Applying a Concus-Finn Condition (from S07) S. Han (KOREA UNIVERSITY), D. Ahn (Fuel Cell Vehicle Team 1, Advanced Technology Center, Corporate Research and Development Division, Hyundai-KIA Motors), N. Choi, J. Byun, Y. Choi (Korea University)
AJK2011-07018	Experimental Study on the Performance of PEMFC by the Wave-Like Surface Design on Cathode (from S07) N. Choi, J. Byun, K. Nam, S. Yun, Y. Choi (Korea University)
AJK2011-09003	Solid Fluctuations and Dispersion in Liquid-Solid Fluicized Beds with Low Surface Tension Media (from S09) H. O. Lim (Graduate School of Green Energy Technology), M. J. Seo, Y. Kang (School of Bioenergy and Chemical Engineering, Chungnam National University), K. W. Jun (Korea Research Institute of Chemical Technology)
AJK2011-10009	Analysis of the Instability for Two Nano-Scale Liquid Threads Coexisting in a Periodic Fundamental Cell (from S10) C. L. Yeh (NFU)
AJK2011-10027	The Influence of Gas and Liquid Flow Rates on the Transient Bubble Characteristics in a Liquid Cross-Flow (from S10) K. Siddiqui (University of Western Ontario), W. Chishty (NRC)
AJK2011-10047	Analysis of Two Phase Flow in Liquid Oxygen Hybrid Journal Bearings of Rocket Engine Turbopumps (from S10) G. Zhang (NWPU)
AJK2011-12005	Numerical Study on Properties of Interior Ballistics According to Solid Propellant Positions in Chamber (from S12) J. Jang, H. Sung, S. Yoo, T. Roh, D. Choi (Inha University)
AJK2011-12008	Aerodynamic Focusing of 5-50nm Nanoparticles in Air (from S12) K. Lee (School of Mechanical Eng., Pusan National Univ., South Korea), D. Lee (Pusan National University)
AJK2011-12015	Study on the Particle Behavior in a Screw Conveyer System by the Discrete Element Method (from S12)

