

Japan-Korea CFD Workshop 2009

Afternoon of December 16th (Wed)			
No.	Time	Authors [Speaker*] (Affiliations)	Title of paper
	13:00-13:10	Opening addresses	
		Kozo Fujii (JAXA)	Vice President of the Japan Society of Fluid Mechanics
		Nahmkeon Hur (Sogang Univ.)	President of the Korean Society of Computational Fluids Engineering
	13:10-14:40	Atomospheric and Astrophysical Flows	
1	13:10-13:40	Fumiaki Araki* (Earth Simulator Center: ESC/JAMSTEC), Shin-ichiro Shima (IFREE/JAMSTEC), Shintaro Kawahara (ESC/JAMSTEC), Kanya Kusano (Nagoya Univ. and IFREE/JAMSTEC)	Realistic Visualization of a Cumulus Cloud and Rainfall Based on the Cloud Formation Simulation with the Super-Droplet Method
2	13:40-14:10	Hyun-Goo Kim* (Korea Inst. of Energy Res.)	National Wind Atlas of South Korea
3	14:10-14:40	Naofumi Ohnishi* (Tohoku Univ.), Yousuke Ogino (Tohoku Univ.), Masami Tate (Tohoku Univ.), Wakana Iwakami Nakano (Tohoku Univ.), Kei Kotake (Nation. Astron. Obs.), Shoichi Yamada (Wasada Univ.)	Radiation Hydrodynamics of Explosive Phenomena in Laboratory and Astrophysics
	14:40-15:00	Break	
	15:00-16:30	Aerodynamics	
4	15:00-15:30	Jae Gwan Kim* (Seoul Nation. Univ.), Kyu Hong Kim (Seoul Nation. Univ.)	Investigation on Characteristics of PIFS (Plume Induced Flow Separation) and Wall Heat Transfer Rate at the Missile after Body
5	15:30-16:00	Kojiro Suzuki* (Univ. of Tokyo), Osamu Imamura (Univ. of Tokyo), Masashi Kanamori (Univ. of Tokyo), Morihiro Yuda (Univ. of Tokyo)	Numerical Analysis on Hypersonic Flow around Icy Body
6	16:00-16:30	Dong-Hun Park* (KAIST), Seung-O Park (KAIST)	Stability Analysis and Transition Prediction of Axi-symmetric Supersonic Boundary Layers over Bodies of Revolution by using Parabolized Stability Equations
	16:30-16:50	Break	
	16:50-17:50	Turbulence and Vortex	
7	16:50-17:20	Kouji Nagata* (Nagoya Univ.), Hiroki Suzuki (Nagoya Univ.), Yasuhiko Sakai (Nagoya Univ.), Toshiyuki Hayase (Tohoku Univ.)	Turbulence Structure and Scalar Transfer in Regular and Fractal Grid Turbulence
8	17:20-17:50	Byeong Rog Shin* (Changwon Nation. Univ.), Young-Joon An (Changwon Nation. Univ.)	Investigation of Suction Vortices Behavior in Centrifugal Pump

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Morning of December 17th (Thursday)			
No.	Time	Authors [Speaker*] (Affiliations)	Title of paper
	9:10-10:40	Scheme and Basic Flows	
9	9:10-9:40	Jung Hee Lee* (Sogang Univ.), Nahmkeon Hur (Sogang Univ.)	A Numerical Analysis on Interaction Problems between Fluid and Multi-body Using CIP Method
10	9:40-10:10	Yohei Morinishi* (Nagoya Inst. of Tech.)	Recent Advancement of the Fully Conservative Finite Difference Scheme
11	10:10-10:40	Jin Whan Kim* (Dong-Eui Univ.), Jonas T. Holdeman (Univ. of Tennessee)	Hermite Bicubic, Quartic and Quintic Stream Functions for Incompressible Flows in Two Dimensions
	10:40-11:00	Break	
	11:00-12:30	Bio- and Elastico-Fluid Mechanics	
12	11:00-11:30	Takahiro Yamada* (Yokohama Nation. Univ.) Tomohiro Kayane (Dai Nippon Printing Co.,Ltd) Yoshiaki Itoh (Kajima Co., Tech. Res. Inst.) Ryuko Ootsuka (Caterpillar Japan)	Numerical Simulation of Interaction of Largely Deformed Membrane and Fluid
13	11:30-12:00	Chan Yi Song* (KAIST), Soo Jai Shin (KAIST), Hyung Jin Sung (KAIST), Keun-Shik Chang (KAIST)	Dynamic Behavior of an Elastic Capsule in the Viscous Shear Flow
14	12:00-12:30	Shu Takagi* (CSRP, RIKEN)	Toward the Integrated Simulation of Living Matter Using the Next-Generation Supercomputer