

## Japan-Korea CFD Workshop 2009

Afternoon of December 16th (Wed)		
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	Atmospheric and Astrophysical Flows	
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
13:40-14:10	Hyun-Goo Kim* (Korea Inst. of Energy Res.)	National Wind Atlas of South Korea
14:10-14:40	Naofumi Ohnishi*, Yousuke Ogino, Masami Tate, 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	
15:00-15:30	Jae Gwan Kim*, 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
15:30-16:00	Kojiro Suzuki*, Osamu Imamura, Masashi Kanamori, Morihito Yuda (Univ. of Tokyo)	Numerical Analysis on Hypersonic Flow around Icy Body
16:00-16:30	Dong-Hun Park*, 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	
16:50-17:20	Kouji Nagata*, Hiroki Suzuki, Yasuhiko Sakai (Nagoya Univ.), Toshiyuki Hayase (Tohoku Univ.)	Turbulence Structure and Scalar Transfer in Regular and Fractal Grid Turbulence
17:20-17:50	Byeong Rog Shin*, Young-Joon An (Changwon Nation. Univ.)	Investigation of Suction Vortices Behavior in Centrifugal Pump

## Japan-Korea CFD Workshop 2009

Morning of December 17th (Thursday)		
Time	Authors [Speaker*] (Affiliations)	Title of paper
9:10-10:40	Scheme and Basic Flows	
9:10-9:40	Jung Hee Lee*, Nahmkeon Hur (Sogang Univ.)	A Numerical Analysis on Interaction Problems between Fluid and Multi-body Using CIP Method
9:40-10:10	Yohei Morinishi* (Nagoya Inst. of Tech.)	Recent Advancement of the Fully Conservative Finite Difference Scheme
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	
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
11:30-12:00	Chan Yi Song*, Soo Jai Shin, Hyung Jin Sung, Keun-Shik Chang (KAIST)	Dynamic Behavior of an Elastic Capsule in the Viscous Shear Flow
12:00-12:30	Shu Takagi* (CSRP, RIKEN)	Toward the Integrated Simulation of Living Matter Using the Next-Generation Supercomputer