

*International RIAM Symposium in Kyushu University*  
**Analyses of Strongly Nonlinear Fluid-Structure Interactions**

Date : December 11th(Friday) & 12th(Saturday), 2009

Place: Multi-purpose Meeting Room (W601), 6th Floor of RIAM, Kyushu University

**PROGRAM**

*December 11<sup>th</sup> (Friday)*

- 13:00 - 13:10 Opening Address  
Masashi Kashiwagi (Osaka University)
- 13:10 - 14:00 Monolithic Modelling of Viscous Flows around Deformable Structures  
Decheng Wan (Shanghai Jiao Tong University, China)
- 14:00 - 14:30 Large-scale Two-Phase Flow Simulation  
Naruhiko Tan (Tokyo Institute of Technology)
- 14:30 - 15:00 Numerical Simulation on Tsunami due to Slope Failure by Fluid-Elastoplastic Hybrid Particle Method  
Hiroyuki Ikari (Kyoto University)
- 15:00 - 15:20 (Coffee Break)
- 15:20 - 16:00 GPU Computing for Large-Scale CFD  
Takayuki Aoki (Tokyo Institute of Technology)
- 16:00 - 16:40 Strongly Coupled Fluid-Structure Interaction for Vortex-Induced Vibration  
Hyung-Taek Ahn (University of Ulsan, Korea)
- 16:40 - 17:10 An Eulerian Scheme with Lagrangian Particle for Evaluation of Seakeeping  
Suandar Baso (Hiroshima University)
- 17:10 - 17:40 Numerical Computation of Added Resistance on Ships in Waves  
Kyung-Hwan Kim, Yonghwan Kim (Soeul National University)
- 18:00 - Dinner Party at RIAM 2nd Floor, Large-Meeting Room

*December 12<sup>th</sup> (Saturday)*

- 9:00 - 9:30 Control of Heave-Pitch Coupled Motion of Cruise Ships  
Jae-Han Kim, Yonghwan Kim (Seoul National University)
- 9:30 - 10:00 Comparative Study on Hydroelastic Response of Vertical Plate due to Wave  
Guanghua He (Osaka University)
- 10:00 - 10:30 Numerical Simulation of a Floating Fish Cage  
Makoto Sueyoshi (RIAM, Kyushu University)
- 10:30 - 10:40 (Coffee Break)
- 10:40 - 11:10 Structural Analysis in FSI Problems  
Xian Chen (Kyushu University)
- 11:10 - 11:40 Motion and Structural Loads on a Modern Containership: Experiment vs. Computation  
Myung-Jae Song, Kyung-Hwan Kim, Yonghwan Kim (Seoul National University, Korea)
- 11:40 - 12:10 Numerical Simulation of Container Ship in Large Waves  
Changhong Hu (RIAM, Kyushu University)
- 12:10 - 12:15 Closing Address  
Changhong Hu (RIAM, Kyushu University)