

International Research Exchange Meeting on Ship and Ocean Engineering

Date : December 21 (Friday) & December 22 (Saturday), 2012

Place : Library Hall of Science and Engineering Library, Osaka University (December 21)
Lecture Room S1-311, Dept of NAOE, Osaka University (December 22)

Program Schedule

December 21 (Friday)

- 13:00~13:10 Opening Address
Masashi Kashiwagi (Osaka University)
- 13:10~13:40 [Prediction of Fuel Consumption of Ships in Actual Seas](#)
Masaru Tsujimoto (National Maritime Research Institute)
- 13:40~14:10 [Comparative Study on Added Resistance Computation](#)
Min-Guk Seo, Dong-Min Park, Jae-Hoon Lee(1), Kyong-Hwan Kim, Yonghwan Kim
(Seoul National University)
- 14:10~14:40 [Study on Added Resistance Using Unsteady Wave Analysis](#)
Kenta Yamamoto (Osaka University)
- 14:40~15:10 [Added Resistance and Phase Averaged Wake Field of KVLCC2 Model Ship in Waves](#)
Ping-Chen Wu (Osaka University)
- (Coffee Break)
- 15:25~15:55 [CFD Application for Added-Resistance Computation](#)
Kyung-Kyu Yang, Jae-Hoon Lee(2), Bo-Woo Nam, Yonghwan Kim
(Seoul National University)
- 15:55~16:25 [Mean Drift Force Calculation Based on the Taylor Expansion Boundary Element Method](#)
Chen Ji-Kang (Harbin Engineering University)
- 16:25~16:55 [Nonlinear Behavior of a Single-point Mooring System for Floating Offshore Wind Turbine](#)
Ma Chong (Osaka University)
- 16:55~17:25 [Wave Absorption by Twin Floating Bodies with External Dynamical Systems](#)
Yuki Miyazaki and Munehiko Minoura (Osaka University)
- 17:25~17:55 [Wave Diffraction and Radiation by a Submerged Sphere in Infinite Water](#)
Yingyi Liu (Kyushu University)

December 22 (Saturday)

- 09:00~09:30 [Research and Application of 2-D Water Entry Simulation](#)
Zhu Xin (Harbin Engineering University)
- 09:30~10:00 [Dam Breaking Experiment with an Elastic Plate](#)
Syoichiro Kai (Kyushu University)
- 10:00~10:30 [Experimental Study on the Two Sensitivities of Sloshing Impact Pressures: Time Window and Gas-liquid Density Ratio](#)
Ahn Yang-Jun, Sang-Yeob Kim, Yonghwan Kim (Seoul National University)
- (Coffee Break)
- 10:45~11:15 [Recent Progress of ISUM System for Ship's Collapse Behavior in Extreme Waves](#)
Makoto Goto (Osaka University)
- 11:15~11:45 [Evaluation of Fatigue Damage Increase of Ships' Structural Details due to Wave-induced Vibrations Using Stochastic Approach](#)
Ken Hasegawa (Osaka University)
- 11:45~12:15 [Wave-energy Absorption by a Rotating Pendulum-type Cylinder inside a Floating Body](#)
Katsuhiro Sakai (Osaka University)
- 12:15~12:45 [Study on Heel Stabilization for Cruise Ship by Using Active Fin and Anti-rolling Tank](#)
Jae-Han Kim, Yonghwan Kim (Seoul National University)
- 12:45~12:50 Closing Address
Masashi Kashiwagi (Osaka University)