

International Academic Exchange Seminar for Free-Surface Hydrodynamics in Ship and Ocean Engineering (SOE Workshop)

Date : January 7 (Thursday) & January 8 (Friday), 2021

Zoom: Topic: SOE Meeting (First day, January 7, 2021)
Date & Time: January 7, 2021, from 12:30 PM (Japan Time)
<https://zoom.us/j/93250844794?pwd=V0hybHcvbTRuZ2JZMFNvVUU3b1BjQT09>
Meeting ID: 932 5084 4794, Passcode: 448538

Program Schedule

January 7 (Thursday)

- 13:00~13:10 Opening Address
Masashi Kashiwagi (Osaka University)
- 13:10~13:35 Estimation of KCS maneuvering derivatives using numerical PMM test
Zhu Zhang, Byung-Soo Kim, Shuguang Wang, Yonghwan Kim (Seoul National University)
- 13:35~14:00 The influence of different positions of hulls on seakeeping motion of a trimaran
Mu Zhang, Jianhua Wang, Decheng Wan (Shanghai Jiao Tong University)
- 14:00~14:25 Improvement of accuracy of service performance simulation
Naoya Kanemasu, Munehiko Minoura (Osaka University)
- 14:25~14:50 Interaction between waves and three-dimensional floating bodies with small forward speed in a channel, *Jin Huang, Bin Teng (Dalian University of Technology)*
- 14:50~15:15 Turbulent structure of flows around a circular cylinder with free surface
Songtao Chen, Weiwen Zhao, Decheng Wan (Shanghai Jiao Tong University)
- (Break)
- 15:30~15:55 KCS turning circle test in calm water with different rudder simplification using OpenFOAM
Shuguang Wang, Byung-Soo Kim, Zhu Zhang, Yonghwan Kim (Seoul National University)
- 15:55~16:20 Study on state-space modeling of impulse response function of water wave
Toshitaka Shimizu, Munehiko Minoura (Osaka University)
- 16:20~16:45 A study on Tower-Wire Interaction in Waves for Offshore Overhead Power Transmission System
Ruo Luo, Changhong Hu (RIAM, Kyushu University)
- 16:45~17:10 Numerical study of wave interaction with a four-cylinder structure using Boussinesq cut-cell model, *Jin Xu, Dezhi Ning (Dalian University of Technology)*
- 17:10~17:35 Numerical simulation of wake flows of wind turbine considering wind turbine rotation direction under shear inflow, *Heming Bai, Liushuai Cao, Decheng Wan (Shanghai Jiao Tong University)*
- 17:45~ Get-together party with Zoom
Self-introduction of all participants

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Date : January 7 (Thursday) & January 8 (Friday), 2021

Zoom: Topic: SOE Meeting (Second day, January 8, 2021)
Date & Time: January 8, 2021, from 08:30 AM (Japan Time)
<https://zoom.us/j/94591526473?pwd=aStub2phMkQvWC9STm9JZ01qcVFzdz09>
Meeting ID: 945 9152 6473, Passcode: 734364

Program Schedule

January 8 (Friday)

- 09:00~09:25 Numerical simulation of pipeline flows by MPS method
Xiaojie Lan, Fengze Xie, Decheng Wan (Shanghai Jiao Tong University)
- 09:25~09:50 Comparison of probabilistic assessment of sloshing design loads between classification notes
Tae-Hyun Park, Yangjun Ahn, Yonghwan Kim (Seoul National University)
- 09:50~10:15 Study on added pressure and resistance using experimental and numerical pressure distribution on ship hull, *Yohei Konishi, Masashi Kashiwagi (Osaka University)*
- 10:15~10:40 Application of a nonlinear potential flow model based on the weak-scatter approximation
Yi Zhang, Bin Teng (Dalian University of Technology)
- 10:40~11:05 Numerical simulation of bow breaking waves generated by a rectangular plate
Yiding Hu, Cheng Liu, Decheng Wan (Shanghai Jiao Tong University)
- (Break)
- 11:20~11:45 Roll-coupling Effect on Ship Maneuvering in Regular Waves
Jaehak Lee, Boo-Woo Nam, Jae-Hoon Lee, Yonghwan Kim (Seoul National University)
- 11:45~12:10 Error Estimation of Shaft Power Statistical Model on On-board Monitoring Data Analysis
Kohei Takenaka, Munehiko Minoura (Osaka University)
- 12:10~12:25 Local Solution for a 3-D Body with Axisymmetric Sharp Edge
Yi-Xin Qian, Bin Teng (Dalian University of Technology)
- 12:25~12:50 Flux Reconstruction Method for Multiphase Flows
Jabir AL Salami, Changhong Hu (RIAM, Kyushu University)
- 12:50~13:15 Direct numerical simulation of supersonic turbulent boundary layer flows by WENO-THINC-BVD scheme, *Jingqi Li, Cheng Liu, Decheng Wan (Shanghai Jiao Tong University)*
- 13:15~13:20 Closing Address
Masashi Kashiwagi (Osaka University)