

Hydro-Seminar

by Lab. of Floating-Body Dynamics in Waves

The speaker in the 33rd Hydro-Seminar is

Professor Yonghwan Kim

Department of Naval Architecture & Ocean Engineering
Seoul National University, Seoul, Korea

Date: Tuesday, 12 July, 2016
Time: 15:30 – 17:00
Venue: S1-312 (Lecture room, 3F of S1 building)
Suita Campus, Osaka University



Introduction of the Department of Naval Architecture & Ocean Engineering (NAOE) at Seoul National University and Marine Hydrodynamics Laboratory

Abstract

In this seminar the two introductions will be given to the Department of Naval Architecture & Ocean Engineering (NAOE) and Marine Hydrodynamics Laboratory (MHL) in Seoul National University (SNU). SNU's NAOE has provided the leaders of Korean shipbuilding industries, academia, and research institutes. The brief history and current status of NAOE, including student statistics, faculty and key research areas will be introduced.

Main presentation will focus on the overview of MHL. MHL has focused on seakeeping-related researches, including linear and nonlinear seakeeping and loads analysis for ships and offshore structures, hydroelasticity of ship structures in waves, sloshing analysis, added resistance and computational hydrodynamics. MHL publishes about 30 - 40 technical papers in a year and two research centers are associated: Advanced marine Engineering Center and Lloyd's Register Foundation Center for Fluid-Structure Interaction. In the seminar, the main research projects and contributions to marine engineering community will be introduced, such as WISH project, international projects for sloshing model tests, and Korean national projects for sloshing and added resistance.

The Speaker: Professor Yonghwan Kim

Professor Kim graduated Seoul National University for his bachelor and master degrees in 1987 and 1989, and got a PhD degree at MIT in 1998. He worked at Daewoo Shipbuilding and Marine Engineering Co., ABS and MIT, and he joined Seoul National University in 2004. Currently he is a chair of the Department of Naval Architecture and Ocean Engineering at Seoul National University, and the director of two research centers and two education programs. His primary research areas are the seakeeping problems, such as motion responses of ships and offshore structures, sloshing, ship hydroelasticity, greenship technology, and naval hydrodynamics.

He has been chairing ITTC Seakeeping Committee for six years, and he is guest editor of Ocean Engineering, associate editor of JEME, editor-in-chief of Journal of Advanced Research in Ocean Engineering. He is the member of Korean Academy of Engineering and Fellow of RINA. Also he was chosen as the Distinguished Visiting Fellow of Royal Academy of Engineering, UK, in 2015 - 2016. He was the awardee of Young Researcher Award, a very prestigious award of Korean Academy of Engineering.



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