

Prof. Yonghwan Kim



Dr. Yonghwan Kim is currently a professor of Seoul National University(SNU) in the Department of Naval Architecture and Ocean Engineering, supervising the Marine Hydrodynamics Laboratory.

He got a BS and MS degrees at the Department of Naval Architecture, Seoul National University, and got a PhD degree at the Department of Ocean Engineering, Massachusetts Institute of Technology(MIT). Before joining SNU, he worked at MIT, American Bureau of Shipping, and Daewoo Shipbuilding Co.

Major research area of Prof. Kim is marine hydrodynamics, including seakeeping, sloshing, hydroelasticity, hydro-oriented design and simulation, CFD, and ship hydrodynamic digital twin. He developed a WISH software for Korean industries and constructed a large facility for sloshing experiments. He published about 120 journal papers and 150 refereed conference papers.

He was a distinguished visiting fellow of Royal Academy of Engineering(RAE) and University of Southampton, specially appointed professor of Osaka University, and visiting professor of MIT. He is a full member of the Korean National Academy of Engineering and a fellow of RINA and SNAME. He is also serving as the director of Future Ocean Cluster and Lloyd's Register Foundation(LRF)-Funded Research Center, SNU. He has been the technical advisor of Daewoo Shipbuilding and Marine Engineering.

He has served for many international organizations, conferences, and journals in marine engineering fields, and he hosted many international conferences including the 13th ICHD. Currently Prof. Kim is the representative of South and East Asia Continent and the chair of working group 3 of ITTC, and he is the Editor-in-Chief of Journal of Engineering for Maritime Environment. He is also a co-chair of the International Workshop on Water Waves and Floating Bodies.

He got a national award, Young Engineer Award, from the Korean National Academy of Engineering, Also he got an Achievement Award and Academic Awards from the Korean Society of Ocean Engineers. Multiple paper awards were given to his papers by academic societies including ISOPE, OMAE, and SNAK.