

Next Event: Coming Soon!

11.07.2025
13:00-15:00 CET

Zoom-ID:
655 5355 5277

BLUE FRIDAY

MARITIME TECH TALK

Research and application of CFD for shipbuilding in Hyundai Heavy Industries



Dr. Hyeonjun Kim
Hyundai Heavy Industries

To address climate change, the shipping industry has undergone over a decade of regulatory developments aimed at reducing greenhouse gas (GHG) emissions. In response, Hyundai Heavy Industries (HHI) has been actively developing various energy-saving devices (ESDs) to improve fuel efficiency and meet emission targets. Computational Fluid Dynamics (CFD) plays a vital role in designing and optimizing these technologies by accurately evaluating their hydrodynamic performance.

This presentation introduces HHI's recent CFD research and development efforts related to ESDs, with a particular focus on air lubrication systems and rotor sails, which have shown promising potential in real-world applications.



Meeting-Link

