

Introduction

We are most grateful to be able to facilitate the hydrodynamic community to support publication of excellent papers presented at the prestigious platform of the Naval Hydrodynamic Symposium as held in Gothenburg, Sweden in 2012.

On behalf of *International Shipbuilding Progress* Prof. Dr. Lars Larsson acted as a guest editor for this special issue.

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R. Huijsmans
Editor-in-Chief

The Symposium on Naval Hydrodynamics has been a biennial event since 1956. Its goal is to promote technological exchange of naval research developments of common interest to all countries of the world. Emphasis is placed on new developments in the general field of fluid mechanics as they relate to naval hydrodynamics. At the 29th Symposium held in Gothenburg in August 2012 some 80 high-quality papers were presented. A major theme was the rapid recent development of Computational Fluid Dynamics (CFD) in naval applications. The presented research ranged from basic numerical developments, formal verification and validation techniques to applications in all areas of hydrodynamics: resistance, propulsion, cavitation, sea-keeping and manoeuvring in restricted and unrestricted waters with captured or free-sailing vessels. New experimental techniques, particularly related to bubbly flows were reported, as was research towards better understanding of important physical phenomena in cavitation, propulsive efficiency and free-surface flows.

The organizers of the 29th Symposium: the US Office of Naval Research, Chalmers University of Technology and SSPA are indebted to the *International Shipbuilding Progress* for the opportunity to publish 18 of the best papers at the Symposium in this special issue. The papers have been selected by the Organizing and Papers Committee of the Symposium.

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