

Editorial

Marine Propulsors

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Received: 16 August 2018; Accepted: 16 August 2018; Published: 22 August 2018



Keywords: propellers; waterjets; unconventional propulsors (azimuthing, SPP, rim drive, etc.); cavitation; noise and vibration; numerical methods in propulsion; propulsor-ice interaction; propulsor dynamics; propulsion in seaways; propulsion in off-design conditions

This Special Issue is following up the success of the latest Symposium on Marine Propulsors (www.marinepropulsors.com, smp'17) by publishing extended or improved versions of the selected papers presented at the symposium. This issue also includes new original contributions. smp'17 was the fifth in a series of international symposiums dedicated to the hydrodynamics of all types of marine propulsors. The next symposium in this series will be held in Rome in May 2019. This Special Issue comprises 12 excellent papers originating from the symposium [1–12] and four outstanding new papers [13–16]. The papers disseminate state-of-the-art numerical and experimental research results on marine propulsors and marine renewable devices.

Marine propulsors are key components of the many thousands of ships operating in oceans, lakes, and rivers around the world. The performance of propulsors are vital for the efficiency, environmental impact, and safety of ships. Propulsor performance is also important for crew and passenger comfort. New types of propulsors with electric drives, flexible blades, and multi-stage propellers require new knowledge and improved tools. Innovative main or auxiliary propulsor types, using renewable energy from waves or winds, are also being commercialized. The improvement of computers and computational fluid dynamics creates new opportunities for advanced design and performance prediction, and new instrumentation and data collection techniques enable more advanced experimental techniques. This Special Issue of the *Journal of Marine Science and Engineering* is devoted to bringing the latest developments in research and technical developments regarding hydrodynamic aspects of marine propulsors, to the benefit of both academics and the industry.

Prof. Dr. Sverre Steen and Prof. Dr. Kourosh Koushan.

Guest Editors of “Marine Propulsors”.

Conflicts of Interest: The authors declare no conflict of interest.

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