Special Issue

Advances in Bubble Acoustics

Message from the Guest Editor

Bubble acoustics is one of the most diverse and exciting areas in fluid dynamics. Contemporary applications range from supercavitating marine vessels to the delivery of drugs across the blood-brain barrier, and from the measurement of ocean wave-breaking and industrial processes to the prediction of volcanic eruptions.

This Special Issue will be an archival collection of reviews and original research contributions on the latest developments in the theoretical, numerical and experimental understanding of all aspects of bubble acoustics. The natural sound emissions of bubbles, their response to vibrations and ultrasound, and their effects on industrial, defence, chemical and biological systems will be covered. Specific topics may include marine and industrial cavitation, passive bubble-size measurement in oceanic, industrial and geological contexts, sonochemistry, microfluidic devices, ultrasound contrast imaging, sonoporation for gene and drug delivery, cell stimulation and sonothrombolysis, and zoological studies.

Guest Editor

Prof. Dr. Richard Manasseh

Department of Mechanical Engineering and Product Design Engineering, Swinburne University of Technology, Melbourne, Victoria 3122, Australia

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Fluids
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fluids@mdpi.com

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Fluids (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in *Fluids*. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider *Fluids* as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

Editor-in-Chief

Prof. Dr. D. Andrew S. Rees
Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK

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