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# **Design and Optimization of Fluid Machinery**

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### Message from the Guest Editors

Dear Colleagues,

Fluid machinery refers to fluid as the working medium for energy conversion machinery. Due to the wide application range, diverse applicable environment, and complex structure of fluid machinery, it is difficult to meet the changeable operating conditions through a fixed structure. Therefore, to maximize the structural performance of fluid machinery, it is necessary to optimize the structural parameters of fluid machinery on the basis of fully understanding the internal flow law of fluid machinery.

This Special Issue seeks high-quality original research focusing on the latest novel advances regarding the design and optimization of fluid machinery.

Potential topics include but are not limited to the following:

Design and optimization of fluid machinery; Cavitation performance and its control; Numerical simulation of transient flow and instabilities; Flow-induced vibration in fluid machinery; Advanced optimization algorithm; Application of artificial intelligence and machine learning in optimization; Innovative technologies for flow control; Suppression of unsteady flow.

Dr. Leilei Ji Prof. Dr. Ramesh Aga**s pecials**ue

Guest Editors



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