



## Active Flow Control: Recent Advances in Fundamentals and Applications — Volume II

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### Message from the Guest Editors

Dear colleagues,

Active flow control (AFC) utilizes local active perturbations to induce global flow field changes that result in an improvement in net performance. For decades, it has been a vibrant research area with potential applications in a wide variety of problems of academic and industrial interest. Recent developments in actuation technologies and computational/experimental methods, along with the re-booming of machine learning techniques, have made it possible for AFC to be more efficient, robust, and intelligent. In 2021, we proposed a Special Issue to showcase and discuss new advances in AFC. Eleven excellent papers were collected that pushed the boundaries of this research area, both in fundamentals and in applications. Following its success, we would like to continue the efforts here by calling for a second volume of this Special Issue. The topics of interest include, but are not limited to, the following:

- Design and development of novel actuators for AFC;
- Theoretical/computational/experimental studies on AFC;
- New control strategies in AFC;
- Machine-learning-guided AFC;
- New AFC applications.

