Special Issue

Next-Generation Methods for Turbulent Flows

Message from the Guest Editor

Recent years have witnessed great progress in exploring turbulent flows using both high-performance computational fluid dynamics (CFD) and advanced experimental measurements. Detailed flow structures under complex and extreme conditions were resolved and studied, the understanding of dynamics of turbulent flows were deepened, and turbulence models for engineering applications were also improved. In the near future, it is expected that there will be breakthroughs in high-performance computation, numerical methods, CFD software, machine learning, optical measurements, and so on. The research of turbulent flows is expected to be boosted by these novel methods. The focus of this Special Issue is on the discussion of novel technologies and methods for both the study of fundamental turbulent flows and their applications in engineering.

Guest Editor

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