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Aerodynamic Technologies for Drag Reduction

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Message from the Guest Editor

Friction drag reduction in laminar and turbulent flows is of utmost importance due to the profound benefits that can produce in a large variety of existing technologies, ranging from micro-fluidic devices to pipeline transport to aerospace applications. A number of different mechanisms have been proposed over the years for turbulent drag reduction; riblets, vortex generators, blowing and suction, super-hydrophobic (SHSs), and, more recently, liquid infused surfaces (LISs). In the context of micro-UAV, spanwise bending and induced camber for deformable wings have proved to significantly improve the aerodynamic performances of wings. This Special Issue is focused on highlighting recent advances in drag reducing technologies.



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Special Issue



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Message from the Editor-in-Chief

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