

Preface

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This Theme Issue contains 14 peer-reviewed papers selected from the 85 presentations that were given at the 4-day European Drag Reduction and Flow Control Meeting (EDRFCM 2017), held in the period 3–6 April 2017 in Monte Porzio Catone (Italy). The meeting, attended by 110 delegates from across Europe, Asia and the Americas, was organised under the auspices of ERCOFTAC by the Special Interest Group SIG20, “Drag Reduction and Flow Control”. A focal point of this SIG’s activities is a series of biennial meetings that review the state of the art in Flow Control.

The contributions to EDRFCM2017 were thematically grouped under 14 headings: Separation Control; Compliant and Porous Coatings; Cars and Trucks; Airfoils and Wings; Wall Forcing; Stability and Transition; Laminar Flow Control; Fundamentals; Polymers and Coatings; High-Reynolds-Number Flows; Novel Methods; Super-Hydrophobic Surfaces; Plasma Actuators; Non-Planar Walls; and Applications. The present Theme Issue aims to provide a representative sample of the whole spectrum of contributions made at the meeting, with emphasis on the topic of drag reduction. The authors of the contributions judged to be of the highest quality and relevance were invited to submit full-length manuscripts. The papers submitted in response were then subjected to the same rigorous review process as that applied to any other manuscripts contributed to FTaC. The manuscripts were reviewed by three referees, and many of those eventually accepted underwent two rounds of revision.

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It is the hope of the editors that this Theme Issue will provide the readers with an interesting and valuable collection of archival contributions that highlight some of the most recent and promising research activities in the extensive research field of drag reduction and flow control.

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