



Turbulence and Transitional Modeling of Aerodynamic Flows

Guest Editor:

Message from the Guest Editor

Dear Colleagues,

Deadline for manuscript
submissions:
closed (30 June 2019)

The goal of this Special Issue is to provide a state-of-the-art summary of recent developments in the modelling of turbulent and transitional aerodynamic flows. Papers describing complex applications in aerospace, turbomachinery, automobile and other industries are also welcome. The Guest Editor is open to considering in any paper relevant to the subject matter of the Special Issue.

Prof. Ramesh Agarwal
Guest Editor

Keywords

- Reynolds-Averaged Navier-Stokes (RANS) Models of all types and categories
- Large Eddy Simulation including Wall-Modeled (WM) LES
- Hybrid RANS/LES (DES, DDES, IDDES, SBES)*
- Wall-Resolved (WR) Models
- Data Driven Modeling including improvement of Turbulence Models using Uncertainty Quantification (UQ) and Machine Learning
- Intermittency and Transition Modeling
- Applications to Aircraft, Turbomachinery, Automobiles and other industrial products





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Editor-in-Chief

Prof. Dr. D. Andrew S. Rees

Department of Mechanical
Engineering, University of Bath,
Bath BA2 7AY, UK

Message from the Editor-in-Chief

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Fluids Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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