



Numerical and Experimental Methods in Research of Renewable Energy Systems

Guest Editors:

Dr. Krzysztof Rusin

Department of Power Engineering and Turbomachinery, Faculty of Energy and Environmental Engineering, Silesian University of Technology, 44-100 Gliwice, Poland

Dr. Sebastian Rulik

Department of Power Engineering and Turbomachinery, Faculty of Energy and Environmental Engineering, Silesian University of Technology, 44-100 Gliwice, Poland

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Message from the Guest Editors

Turbulence is one of the most important phenomena that has been the subject of intense investigations in the past centuries. The vast majority of flows that can be encountered in nature or industry are turbulent and therefore the proper approach to the modelling of turbulent structures is of great importance. Varied length and time scales, as well as the stochastic nature, contribute to the complexity of this phenomenon and pose challenges in the numerical methods.

This Special Issue aims to present and disseminate the most recent advances related to the theory, modelling and application of the turbulence models as well as the investigations of the cases where turbulence is an important factor.

Topics of interest for publication include, but are not limited to:

- Validation of existing turbulence models
- Turbulence in multiphase flows
- Turbulence in climate modelling/meteorology
- Turbulence control methods
- Impact of turbulence on fluid flow machinery/heat transfer
- Application of machine learning in the turbulence modelling



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Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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