Multiscale Heat and Mass Transfer and Artificial Intelligence

Guest Editors:

Dr. Guice Yao
School of Aeronautic Science and Engineering, Beihang University, Beijing 100191, China

Dr. Chuang Wen
School of Construction Management and Engineering, University of Reading, Reading RG6 6AH, UK

Dr. Jin Zhao
School of Aeronautic Science and Engineering, Beihang University, Beijing 100191, China

Deadline for manuscript submissions:
10 November 2024

Message from the Guest Editors

Heat and mass transfer is an important research area that is relevant to a variety of emerging technologies in the fields of energy, low-carbon energy utilization, chemical engineering and aerospace engineering, etc. Multiscale simulation techniques and complement experimental studies from atomic to macroscopic scale brought about numerous breakthroughs. Recently, cutting-edge artificial intelligence (AI) technologies have emerged as powerful tools to accelerate fundamental physics-based understanding and applications in heat and mass transfer research. In view of these achievements, this Special Issue is devoted to showcasing cutting-edge research and developments in the field of multiscale heat and mass transfer and AI technologies.

Keywords:

machine learning
heat transfer
multiscale modelling
multidisciplinary energy conversion
temperature reconstruction
flow dynamics
physics-informed neural network

Special Issue

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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