



Artificial Neural Network and Heat Transfer

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Message from the Guest Editors

Dear Colleagues,

The Guest Editors are inviting novel submissions to a Special Issue of *Energies* on the subject area of “Artificial Neural Network and Heat Transfer”. There have been many emerging techniques for the simulation of Heat Transfer to solve several problems in the field of physics, material science, and metallurgy. Physical phenomena involved in Heat Transfer processes are extraordinarily complex, and therefore, there are several already known approximate methods based on numerical calculations and heuristics. Nevertheless, machine learning techniques are also applicable for these purposes. Artificial neural network (ANN)-based models trained on experimental or generated datasets can be used for similar predictions.

We seek original research papers on novel methods, discussions about the theoretical background (limitations of the experiments, parameters of the training data, data augmentation, ANN architecture, evaluation of the results, optimization methods, etc.), and high-level practical applications from the field of heat transfer.

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Message from the Editor-in-Chief

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