Machine Learning and Physics

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Deadline for manuscript submissions:
closed (31 October 2021)

Message from the Guest Editors

We invite you to contribute to a Special Issue of the journal *Applied Sciences* on "Machine Learning and Physics". Machine learning (ML) has become extremely popular due to successful results in many different applications. Those results are sometimes produced by well-known methods; nonetheless, the advent of new and disruptive approaches is behind many outcomes that were unthinkable just a few years ago, some deep learning contributions being a paradigmatic example, especially with the proposal of new convolutional, generative, and recurrent networks.

A disruptive field of research that has gained relevance recently comes from physics, where quantum machine learning (QML) is already providing calculation speed-ups while not worsening the performance in some controlled problems.

Therefore, there is plenty of research to be carried out in this fuzzy border between ML and physics, and we truly reckon that this Special Issue might be an ideal channel to disseminate it. We thus invite you to submit your contributions on the field specified (but not restricted) by the keywords, in the form of original research papers, mini-reviews, and perspective articles.

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Special Issue

Editor-in-Chief

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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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