Special Issue

Recent Advances in Hybrid Artificial Intelligence

Message from the Guest Editors

Hybrid artificial intelligence (AI) is a field that seeks to synergize the best aspects of neural networks and other domain techniques, such as symbolic AI and human knowledge. The hybrid AI model not only utilizes neural networks' ability to extract patterns from massive data sets, but also incorporates symbolic AI techniques and human knowledge to overcome the limitations of neural networks. By combining the strengths of different approaches, hybrid AI is expected to address the most challenging problems in the field by capturing, mapping, structuring, and delivering knowledge or data in an understandable, readable, and "machine-retrievable" format.

This Special Issue aims to highlight the recent advances in hybrid AI, including both developments in individual domains and innovative hybrid AI techniques that incorporate domain knowledge or symbolic AI from both theoretical and practical perspectives. We welcome original research papers and comprehensive literature reviews that provide unique scientific insights into the topic.

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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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