Advances in Brain-Inspired Computing

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Message from the Guest Editors

Dear Colleagues,

This special issue aims to report the latest advances in neuromorphic engineering from three perspectives: the neuroscientist, the computer architect, and the algorithm designer. This issue addresses neuronal modeling, perceptual and cognitive modeling, neuromorphic circuits, neural architectures, advances in memristive devices, event-based sensors, event-based processing, and neuromorphic applications.

Keywords:

- Artificial neural processing systems
- Functional materials for neuromorphic hardware
- Biointerfacing
- Neuromorphic computing
- Neuromorphic learning algorithms
- Spiking neural networks
- Theory of brain-inspired computing

Special Issue

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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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