Special Issue

Computational Intelligence: Spiking Neural Networks

Message from the Guest Editors

It is our pleasure to announce a new Special Issue "Computational Intelligence: Spiking Neural Networks" in the journal *Big Data and Cognitive Computing*. This Special Issue encourages researchers to present their recent theoretical and application-oriented advances involving spiking neural networks. Topics include novel theoretical approaches for learning using SNNs, bio-inspired learning, edge-computing, interpretability in SNNs, deep spiking neural networks, research involving neuromorphic hardware and application of SNNs in areas such as robotics, autonomous systems, etc. This Special Issue invites contributions, including, but not limited to, the following detailed topics:

- Bio-inspired learning;
- Learning algorithms for SNNs to handle temporal, spatiotemporal data, etc.;
- Edge-computing;
- Interpretability in SNNs;
- Deep spiking neural networks;
- Robotics;
- Research involving neuromorphic and other hardware platforms.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2023)

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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