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Special Issue on Exploring the Advancements in Brain Inspired Intelligence and Brain Machine Interfaces

Call for Papers

We are inviting researchers and experts in the field to contribute to an issue focused on the advancements in brain inspired intelligence and brain machine interfaces. This special issue aims to delve into the intersection between brain inspired intelligence and the technologies of brain machine interfaces highlighting the progress and developments in this area of research.

The subject of brain inspired intelligence and brain machine interfaces has garnered attention due to its potential to revolutionize domains such as neuroscience, artificial intelligence, robotics and healthcare. By emulating the workings of the brain and establishing direct connections with external devices researchers are paving the way for enhanced cognitive capabilities improved interactions between humans and machines as well as innovative neurorehabilitation techniques. Potential topics include, but are not limited to:

- Models of networks that draw inspiration from the complexities of the brain.
- Exploring brain computer. Neuroprosthetics, which hold potential, for enhancing human capabilities.
- Deep learning algorithms that are designed to analyze data from the brain opening up avenues for understanding its intricacies.
- The field of neuroengineering. Its impact on creating computing systems inspired by the brains abilities.
- Considering ethical aspects in research related to brain machine interfaces as it is crucial to ensure safety and privacy in this rapidly evolving field.
- Applications of brain inspired intelligence in robotics and automation which can lead to breakthroughs in autonomous systems.
- Techniques like neurofeedback and neurorehabilitation that have the potential to improve functions and aid in recovery from disorders.
- Exploring how brain inspired computing can contribute to enhancement pushing boundaries in areas such as memory, attention and creativity.
- Developing algorithms inspired by the brains pattern recognition and decision-making processes to advance fields, like intelligence.

Authors should read over the journal's For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's Paper Submission System.

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Please kindly specify the "**Special Issue**" under your manuscript title. The research field "**Special Issue - *Exploring the Advancements in Brain Inspired Intelligence and Brain Machine Interfaces***" should be selected during your submission.

Special Issue Timetable:

Submission Deadline	April 30, 2024
Publication Date	June 2024

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