Special Issue

From Brain Science to Artificial Intelligence

Message from the Guest Editor

From the beginning of the development of artificial intelligence, brain science has played a great role. Several attendees in the Dartmouth summer workshop are brain or cognitive scientists, including the founding father of AI, Dr. Herbert A. Simon. In this context, this Special Issue focuses on the use of current advances in brain science for supporting the development of artificial intelligence, such as how to use the knowledge of human cognitive systems to enhance intelligent machine systems in practical tasks and also welcomes the study about how to use the AI method to analyze physiological signals. This Special Issue will accept high-quality papers containing original research results and survey articles of excellent merit in (but not limited to) the following fields:

- Computational intelligence
- Physiological signal analysis
- Machine learning
- Neural networks
- Deep learning
- Affective computing
- Brain-computer interface
- Visual sense
- Human–computer interaction

We look forward to receiving your submission of original research and review articles on topics ranging from brain science to artificial intelligence.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2023)

About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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