Recent Advances in Deep Learning

Guest Editor:

Dr. Catalin Stoean
Human Language Technology
Research Center, University of
Bucharest, 010014 Bucharest,
Romania

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Message from the Guest Editor

Deep learning represents a fresh wave that caught the attention of a high number of researchers from various fields in the last decade due to its outstanding performance in solving different problems. The purpose of this Special Issue is to collect articles where the latest challenges in deep learning are tackled. Papers could include means of reducing the computation time, understanding the insights of the network, interpretation of the intermediary outcomes during training, observation of a failing training process from the early stages, as well as ways to overcome overfitting. The use of concepts from other emerging fields, like evolutionary computation, in deep learning with the goal of overcoming certain issues is also of high interest. Applications to different domains like medicine, chemistry, natural language processing, game playing, economy, speech recognition, to name but a few, are encouraged.

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

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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