



Neural Computing: Theory, Methods and Applications

Guest Editors:

Prof. Dr. Piotr A. Kowalski

1. Faculty of Physics and Applied
Computer Science, AGH
University of Science and
Technology, 30-059 Cracow,
Poland

2. Systems Research Institute,
Polish Academy of Sciences,
Newelska 6, 01-447 Warsaw,
Poland

Prof. Dr. Szymon Lukasik

Systems Research Institute,
Polish Academy of Sciences,
Warsaw, Poland

Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editors

Dear Colleagues,

We invite you to contribute to a Special Issue of the journal *Applied Sciences*, entitled “Neural Computing: Theory, Methods and Applications”. This issue aims to present recent developments in the field of the theory and application of neural networks techniques.

Computational intelligence, as a subset of artificial intelligence, is one of the most dynamically developing fields of computer science. This is due to the need to analyze increasingly larger data sets, which each time require the use of more efficient computer equipment and the use of more advanced methods of data analysis and mining. One of the most powerful computational intelligence tools is artificial neural networks. These are structures inspired by the biological neural networks that make up the brain. A structure of this type learns to perform tasks thanks to given examples. At the present time, there is extensive interest in intelligent methods in application and theoretical fields.

Prof. Dr. Piotr A. Kowalski and Prof. Dr. Szymon Lukasik





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)