

## Special Issue

# Advanced Information Processing Methods and Their Applications

### Message from the Guest Editor

The rapid development of information technology opens up new opportunities for quality improvement in many areas of human activity. Modernity is characterized by a significant increase in the volume of extracted and processed information, which leads to the problem of developing new approaches to organizing computations, including neurocomputing and quantum computing. Digital circuits are also under active development, especially in improving performance and reducing power consumption for use in mobile and embedded devices. New digital signal, image, and video processing devices must meet the growing practical needs for high speed and quality of work. The latest technological developments in the areas listed above will be shared through this Special Issue. We invite researchers and investigators to contribute their original research or review articles to this Special Issue.

- Neurocomputing
- Quantum computing
- Digital circuits
- Digital signal processing
- Machine learning
- Deep neural networks
- Big data
- Biomedical data processing
- Brain-computer interfaces
- Medical imaging

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### Guest Editor

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### Deadline for manuscript submissions

closed (25 March 2022)



## Applied Sciences

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## About the Journal

### 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.

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### Editor-in-Chief

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