

## Topical Collection

# Machine Learning in Computer Engineering Applications

### Message from the Collection Editor

Machine learning is a dynamically developing branch of artificial intelligence, which has a wide range of applications. In particular, it becomes an indispensable part of computer systems dealing with complex problems, difficult or infeasible to solve by means of conventional algorithms. The aim of this Topical Collection is to provide a comprehensive appraisal of innovative applications of machine learning algorithms in computer engineering employing novel approaches and methods, including deep learning, hybrid models, multimodal data fusion etc. This Topical Collection will focus on the applications of machine learning in different fields of computer engineering. Topics of interest include but are not limited to the following:

- Machine learning and decision making in engineering and economics;
- Intelligent sensors and systems in machine vision and control;
- Machine learning methods to process monitoring and prediction;
- Pattern recognition in medical diagnosis;
- Big data analysis;
- Natural language processing;
- AI-based efficient energy management;
- Deep learning architectures;
- Data-driven models;

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### Collection Editor

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## Applied Sciences

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### 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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