Special Issue

Multimedia Communications Using Machine Learning

Message from the Guest Editors

Machine learning can be employed as a useful tool for several types of multimedia communication systems. It has great potential and helps to achieve a huge increase in performance. The topics of interest for this Special Issue include, but are not limited to, the following:

- Computational intelligence algorithms;
- Quality of Service (QoS) adaptive design and algorithms;
- Quality of Experience (QoE) adaptive design and algorithms;
- Mapping quality of service (QoS) to quality of experience (QoE);
- Very high capacity networks;
- Computational intelligence optimization;
- Network optimization and communication protocol;
- New models of the convolutional neural network;
- Predictive modeling;
- Real-time video monitoring, analyzing video content, and detecting incidents;
- Real-time optimization, planning, and coordination.

Guest Editors

Dr. Lukas Sevcik

Dr. Miroslav Uhrina

Dr. Jaroslav Frnda

Dr. Juraj Bienik

Deadline for manuscript submissions

closed (1 December 2022)

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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.

Editor-in-Chief

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