Applications of Machine Learning in Optical Communications

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue of *Applied Sciences*, we wish to present the most recent advances of this field and stimulate discussion on new and unexplored topics. Topics of interest include, but are not limited, to the following application areas of machine learning:

- Intelligent network architectures and topologies;
- Network design and routing;
- QoT estimation;
- Network operation and traffic prediction;
- Failure management;
- Data center applications;
- Digital signal processing and impairment mitigation;
- Modulation format recognition;
- Neuromorphic computing.

Special Issue

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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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