Special Issue

Applications of Machine Learning in Optical Communications

Message from the Guest Editors

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.

Guest Editors

Prof. Stylianos Sygletos
Aston Institute of Photonic Technologies (AIPT), Aston University, Birmingham, UK

Dr. Mariia Sorokina
Aston Institute of Photonic Technologies (AIPT), Aston University, Birmingham, UK

Deadline for manuscript submissions

closed (30 June 2021)

MDPI

Applied Sciences

mdpi.com/journal/
applsci

MDPI

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

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