# Quantum Optics in the Service of Quantum Information Science

Guest Editor:

**Dr. Zsolt Kis**
Wigner Research Centre for Physics, Hungarian Academy of Sciences, Konkoly-Thege Miklós út 29-33, 1121 Budapest, Hungary

Deadline for manuscript submissions:
**closed (31 January 2021)**

## Message from the Guest Editor

The idea of harnessing the laws of quantum physics for information storage, transfer, and processing have been around for some forty years. In addition to theoretically exploring the new possibilities, great effort has been devoted to the experimental realizations of theoretical proposals. There are several fields of experimental physics where researchers have been developing devices. It has turned out that photons and interaction between photons and atoms, or nano- or mezo-scale atomic systems, play a central role in actual practical realizations. This research field is precisely the scope of Quantum Optics. In this Special Issue, we would like to collect research papers which describe quantum information storage, transfer or processing schemes or devices whose working principle lays in the field of Quantum Optics.

Special Issue

## Editor-in-Chief

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

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.
**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )

## Contact Us