# Special Issue

# Nanophotonics

### Message from the Guest Editors

In future information processing applications, integrating light sources on-chip with other photonic devices, including photonic cavities, waveguides, resonator and detectors, is required. To realize nanophotonics systems, efforts need to be devoted to inventing miniaturized opto-electronics devices, based on 2D robust materials, designs of novel photon manipulation strategy, and to explore the possibility of detection technology. Quantum light sources in 2D materials are promising candidates for studies of light–matter interactions and next-generation applications in integrated on-chip quantum nanophotonics. Recently, advances in novel resonators also promote the development of integrated photonic systems. This Special Issue is expected to address potential strategies towards the choice of the single photon sources and the development of all the required optical elements in the on-chip system.

### Guest Editors

Dr. Zaiquan Xu

School of Mathematical and Physical Sciences, University of Technology Sydney, Ultimo, NSW 2007, Australia

Prof. Dr. Igor Aharonovich

School of Mathematical and Physical Sciences, University of Technology Sydney, Ultimo, NSW 2007, Australia

### Deadline for manuscript submissions

closed (15 March 2018)

**Applied Sciences**

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/9058

*Applied Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

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 )