

Special Issue

Photonic Signal Processing: Fiber Optics and Waveguide On-Chip Technologies

Message from the Guest Editor

It is a great pleasure and honor to present this Special Issue on “Photonic Signal Processing: Fiber Optics And Waveguide On-Chip Technologies” of MDPI’s open access journal Applied Sciences. It is a Special Issue which aims to present recent advances in photonic signal processing, and future prospects of this key, fundamental research area. All interested authors are encouraged to submit their newest results on photonic signal processors, either based on optical fibers or waveguide on-chip technologies, for possible publication in this issue of the Applied Sciences journal.

Potential topics include but are not limited to:

- Microwave filters;
- Pulse shaping;
- Wavelength conversion;
- Nonlinear optical processes;
- Integer and fractional calculus operators;
- Integer and fractional transforms;
- Theoretical design and modeling;
- All-optical tunable delays;
- Arbitrary waveform generators;
- Optical logic gates;
- Correlators;
- Analog and digital processing;

Guest Editor

Dr. Christian Cuadrado-Laborde

1. Temporary address, Applied Physics Departament, ICMUV, University of Valencia, Dr. Moliner 50, 46110 Burjassot, Valencia, Spain
2. Permanent Address 1, Institute of Physics Rosario (IFIR-CONICET), Blvr. 27 de Febrero 210bis, Rosario 2000, Argentina
3. Permanent Address 2, Pontifical Catholic University of Argentina (UCA), Facultad de Química e Ingeniería, Av. Pellegrini 3314, Rosario 2000, Argentina

Deadline for manuscript submissions

closed (31 May 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/63861

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

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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)