



## Nanophotonics for Next-Generation IoT Sensors

Guest Editor:

**Dr. Soo Jin Kim**

School of Electrical Engineering,  
Korea University, Seoul 02841,  
Republic of Korea

Deadline for manuscript  
submissions:

**closed (31 May 2022)**

### Message from the Guest Editor

This Special Issue focuses on the topics of next-generation devices, such as photodetectors, modulators and light emitting devices, based on nano-resonances or using novel materials. It also focuses on the nanophotonics-based applications, including CMOS image sensors, biosensors, optical circuits, and neuromorphic photonics.

The topics of interests include, but are not limited to:

- Nanophotonics: plasmonics, metasurface, optical materials, non-linear optics;
- Optical devices: Photodetector, modulator, light emitting device;
- Silicon photonics;
- Biosensors;
- Optical neuromorphic device, system and computing;
- Optical imaging;
- Thin film technology;
- Electromagnetism for IoT applications

Welcome to contribute!





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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

**Journal Rank:** JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

## Contact Us

---

Electronics Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://x.com/electronicsMDPI)