



## New CMOS Devices and Their Applications

Guest Editor:

**Prof. Dr. Myounggon Kang**

Department of Electronics  
Engineering, Korea National  
University of Transportation,  
Chungju 27469, Korea

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editor

This Special Issue of *Electronics* aims at presenting an in-depth discussion of the new CMOS devices and technologies that will have an impact on the electronics world in the next decade. Papers are solicited on next-generation CMOS devices, 3D NAND Flash Memory, neuromorphic devices, and any other technology able to take up the challenges of the next ten years. Topics of interest include, but are not limited to:

- Sub-10-nm multi-gate MOSFET (FinFET, nanowire, nanoplate, etc.);
- Next-generation CMOS devices (tunnel FETs, negative capacitance FETs, etc.);
- Characterization of 3D stacked NAND Flash Memory and DRAM;
- Emerging memories and neuromorphic devices;
- Applications of new CMOS devices;
- Design, modeling, simulation, and reliability of new devices/circuits;
- Devices and circuits for high-frequency applications.

Please read published researches [here](#).

***Open for Submission!***





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 guestedited 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 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic 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)