



## Radiation Tolerant Electronics

Guest Editor:

**Prof. Dr. Paul Leroux**

Department of Electrical  
Engineering (ESAT), KU Leuven,  
Kleinhoefstraat 4, 2440 Geel,  
Belgium

Deadline for manuscript  
submissions:

**closed (30 April 2019)**

### Message from the Guest Editor

The main aim of this Special Issue is to seek high-quality submissions that highlight emerging applications, address recent breakthroughs in modeling radiation effects in advanced electronic devices and circuits, the design of radiation hardened analog, mixed-signal, RF and digital integrated circuits and radiation hardness testing methodologies. The topics of interest include, but are not limited to:

- Basic mechanisms of radiation effects in electronic devices
- Compact modeling of radiation effects and circuit/layout level optimization (TID and SEE)
- Radiation effects in power devices/circuits
- Design of radiation hardened integrated circuits (analog/RF/mixed-signal/digital)
- Radiation hardening and fault tolerance in FPGAs
- Radiation hardness assurance testing

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 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 (Signal Processing)

## 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://twitter.com/electronicsMDPI)