

## Special Issue

# Applications of FPGAs and Reconfigurable Computing: Current Trends and Future Perspectives

### Message from the Guest Editor

FPGAs and reconfigurable computing platforms bring significant improvements in implementation efficiency compared to other programmable integrated circuits. We invite authors to contribute articles that present applications of FPGAs and other reconfigurable computing architectures in different domains. Relevant topics include but are not limited to:

- FPGA acceleration of artificial intelligence, machine learning, deep learning and neural networks;
- Applications of FPGAs in cybersecurity;
- The role of FPGAs in the cloud and in data centers;
- FPGAs in high-performance computing;
- FPGAs in edge/fog/IoT and mobile computing;
- FPGA acceleration in finance and enterprises (including cryptocurrencies);
- FPGAs in networks with emphasis on 5G and software-defined networks;
- FPGAs in space and automotive systems;
- Trends in education with emphasis on the use of FPGAs and FPGA clouds in teaching and research of relevant modules and education for FPGAs and reconfigurable computing, including courses, laboratories, teaching experiences;
- The FPGA market: current status and future perspectives.

[https://www.mdpi.com/journal/electronics/special\\_issues/RH\\_FPGAs\\_Computer\\_Architecture](https://www.mdpi.com/journal/electronics/special_issues/RH_FPGAs_Computer_Architecture)

### Guest Editor

Prof. Konstantinos Masselos

Department of Informatics and Telecommunications, University of Peloponnese, 221 00 Tripolis, Peloponnese, Greece

### Deadline for manuscript submissions

closed (31 March 2022)



## Electronics

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*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto:electronics@mdpi.com)

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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