



Emerging Applications of Recent FPGA Architectures

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Message from the Guest Editors

Nowadays there is a wide typology of FPGAs, from small and low-power devices with application to IoT solutions, to the new high-performance, high-density FPGAs including embedded microprocessors, high-speed memory and high-bandwidth communications. This broad range of devices is leading to multiple applications, such as IoT systems, power control, hardware acceleration, cryptography, communications, high-performance computing, and so on.

This special issue is intended to present the latest advances in applications benefiting from new FPGA architectures and features, and to illustrate the wide range of applications where FPGAs can offer a competitive, if not the best, design option.

The topics to be covered in this Special Issue are as follows:

- FPGA Architecture
- FPGA Application
- Programmable Logic Devices
- System on Chip
- Hardware acceleration
- Embedded microprocessor
- Digital power control using FPGAs
- Cryptographic applications using FPGAs
- High-performance computing
- IoT systems based on FPGAs.



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Message from the Editor-in-Chief

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