



Recent Advances in Field-Programmable Logic and Applications

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 October 2020)

Message from the Guest Editor

Field-programmable logic enables new tradeoffs between performance, power efficiency, security, flexibility and dependability. Simultaneously, device architectures and development tools have been evolving to meet the new challenges.

This special issue will bring together high-quality contributions that highlight novel approaches and recent breakthroughs in all areas related to programmable logic (technology, architectures, EDA tools and methodologies) as well as emerging application domains ranging from embedded systems up to data centers. The topics covered by the Special Issue include, but are not limited to, the following:

- Reconfigurable computing technology
- FPGA/PMPSoC architectures
- Hardware accelerators
- Heterogeneous reconfigurable platform architectures
- CAD and High-level synthesis tools and methodologies for reconfigurable platforms
- Dynamic reconfiguration
- Domain-specific reconfigurable computing
- Programmable logic in the data center and big data analytics
- Programmable logic for machine learning in embedded and HPC systems
- Security of reconfigurable platforms





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Message from the Editor-in-Chief

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