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Architecture and CAD for Field-Programmable Gate Arrays (FPGAs)

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Field-programmable gate array technology has advanced significantly, and FPGAs represent a substantial portion of overall semiconductor growth. Advances in the device architecture and supporting CAD tools have made FPGAs a very viable technology for implementing very large-scale high-performance systems. Recent progress in compilation technology has allowed easy translation of complex high-level software abstractions into efficient hardware implementations. FPGA based custom-computing systems are becoming especially important for domain-specific architectures due to their high performance-to-energy ratio.

This Special Issue will address advances from FPGA devices to FPGA systems and bring a compilation of recent research results in the areas listed below.

- FPGA device architecture
- CAD for FPGAs
- Compilations tools for FPGAs
- FPGA-based computing systems
- FPGA applications

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Message from the Editor-in-Chief

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