



Emerging Technologies for Computer Architecture and Parallel Systems

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to gather contributions on the emerging issues, technologies, approaches, techniques, and applications of homogenous or heterogeneous computer architecture (CA) and parallel systems. The topics of interest include, but are not limited to:

Design methodologies for computer architectures

CAD support for new computer architectures

Modeling of computer architectures

Application specific computer architectures

Heterogeneous computing

Approximate computing

High performance computing

Adaptive and reconfigurable computing

High level synthesis tools and applications

Evaluation for computer architectures

Improved memory architectures

IoT, mobile and embedded computer architecture

Cloud computer architecture

Parallelism in instruction, threads, execution units,
coprocessors and data





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Optimized input/output computer architectures
Quantum computing architectures
Computer architectures and memristors
CPU interconnectivity and network on chips
Computer architecture security and resiliency
Fast prototyping computer architectures
Verification, evaluation and test of computer architectures

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Message from the Editor-in-Chief

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