# **Special Issue**

# Design and Resilience of Digital Circuits for Emerging Computing Paradigms

## Message from the Guest Editors

As Dennard scaling reaches its limits, the traditional advantages of technology scaling face significant challenges. Furthermore, modern applications demand increasingly complex computations, with power and energy consumption emerging as fundamental constraints on the scalability of computing performance. To address these challenges, there is growing interest in various emerging computing paradigms. This Special Issue aims to enhance the understanding of these paradigms' potential. Research areas may include (but not limited to) the following:

- Approximate Computing
- Stochastic Computing
- Neuromorphic Computing
- Ising model-based Computing
- Machine Learning
- Theoretical Foundations for Emerging Computing Paradigms
- Hardware Design
- High-Level, Behavioral, and Logic Synthesis and Optimization
- Applications in Machine Learning, Signal Processing or Others
- Emerging Design Technologies for Future Computing
- Reliable and Secure Systems Design with Emerging Computing Paradigms
- Defect and Fault Tolerance for Systems

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## Deadline for manuscript submissions

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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.

### Editor-in-Chief

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