Special Issue

Quantum Computing System Design and Architecture

Message from the Guest Editor

Quantum computing is becoming very popular and is researched all over the world. There are still a lot of challenges that need to be overcome in order to make a quantum accelerator. Our work is based on developing the full stack of all components needed for a quantum accelerator. In this Special Issue, we will highlight the following topics:

- Physical qubits the pre-transistor period
- The quality of the qubits
- Quantum applications
- Quantum programming
- Micro-Architecture
- Routing and Mapping
- Quantum Simulator

There are some high quality papers have been published in our special issue, and for more information, please kindly view through our website:

https://www.mdpi.com/journal/electronics/special_issu es/QCS_Design_Architecture Welcome to contribute!

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2023)



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About the Journal

Message from the Editor-in-Chief

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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).

