



Heterogeneous and Energy-Efficient Computing Systems

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Deadline for manuscript
submissions:

15 October 2024

Message from the Guest Editor

The topics of interest of this Special Issue (SI) include, but are not limited to, the following:

- Evaluating and modeling the energy efficiency of emerging computation workloads on new heterogeneous architectures. This involves assessing and quantifying the energy consumption of diverse computational tasks running on these novel architectures, enabling researchers to gain insights into the energy characteristics and requirements of different workloads.
- Understanding the trade-off between energy efficiency and other crucial aspects of computing, such as reliability and performance. For example, this can include exploring the intricate relationship between energy efficiency and these key factors to comprehend the potential trade-offs and synergies. This knowledge will guide the development of strategies that optimize energy efficiency while maintaining acceptable levels of reliability and performance.

Developing effective solutions for achieving high energy efficiency in heterogeneous computing systems. This encompasses various approaches, including algorithms and application-level techniques, system-level optimizations, and software-hardware co-design strategies.





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Message from the Editor-in-Chief

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