

Special Issue

Design and Application of High-Performance Computing Systems

Message from the Guest Editors

High-performance computing (HPC) systems have revolutionized the way we process and analyze vast amounts of data, enabling breakthroughs in various scientific, engineering, and industrial domains. These systems, characterized by their exceptional processing power and parallel computing capabilities, have become indispensable tools for tackling complex computational problems that were once considered intractable. We encourage submissions that cover a wide range of topics, including but not limited to novel architectures, parallel programming, scalable algorithms, software frameworks/tools, and the applications of high-performance computing systems in solving complex problems. We hope that this Special Issue will contribute to advancing state-of-the-art high-performance computing systems and inspire further research and development in this exciting field.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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