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## High Performance Computing and Computer Architectures

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### Message from the Guest Editors

Application trends, device technologies, and the architecture of computing systems are driving progress in information technologies. This poses new challenges in the advancement of computer architectures as well as regarding software solutions. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results in the field of high performance computing and computer architectures from design, service, and theory to its practical use.

This Special Issue will publish high-quality, original research papers, in the overlapping fields of:

- High-performance computing;
- Parallel and distributed computing;
- Artificial intelligence;
- Machine learning and deep learning;
- Computational and data science;
- Big data applications, algorithms, and systems;
- Ontologies and semantics;
- Cloud/edge/fog computing;
- Green computing;
- Neuromorphic computing;
- Quantum computing.



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# Special Issue