Special Issue

High Performance Computing and Computer Architectures

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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Deadline for manuscript submissions

closed (20 May 2022)

Applied Sciences

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About the Journal

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.

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