Special Issue

Edge Computing and Cloud Computing: Latest Advances and Prospects

Message from the Guest Editor

Edge computing and cloud computing have emerged as transformative technologies in the digital landscape, revolutionizing data processing, storage, and analysis across various sectors. This Special Issue will explore cutting-edge developments and future directions in these interconnected fields. This Special Issue will present original research, comprehensive reviews, and innovative case studies that address the following key areas:

- Advancements in edge computing architectures and frameworks;
- Novel cloud computing paradigms and service models:
- Integration strategies for edge-cloud ecosystems;
- Security and privacy challenges in distributed computing environments;
- Energy-efficient and sustainable computing solutions;
- Machine learning and artificial intelligence at the edge;
- Edge-cloud continuum for Internet of Things (IoT) applications;
- Performance optimization techniques for edge-cloud systems;
- Edge-cloud solutions for 5G and beyond networks;
- Emerging trends in fog computing and mobile edge computing.

We invite researchers, practitioners, and industry experts to contribute their latest findings, methodologies, and insights to this Special Issue.

Guest Editor

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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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