New Advances in Distributed Computing and Its Applications

Guest Editors:

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Message from the Guest Editors

Distributed computing, especially for computing functions in the network, is beneficial for designing systems in a way that allows for joint optimization of computing and networking resources by aiming for tighter integration of computing and networking.

Topics of interest for the Special Issue include, but are not limited to, the following:

1. Advanced distributed computing architectures, such as edge computing, container-based microservices, and blockchain;
2. New optimizations of distributed computing in big data processing and artificial intelligence;
3. Innovations and challenges in the synergy between edge computing and cloud computing for intelligent applications;
4. Innovative applications and optimizations of distributed systems in blockchain technology;
5. Applications of distributed computing in domains like autonomous driving, smart healthcare, smart cities, and intelligent transportation;
6. Research on security, privacy, and trust mechanisms in distributed computing;
7. Other technologies and applications advocating distributed computing.

Special Issue

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Message from the Editor-in-Chief

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