Edge Computing for Real-Time Systems

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Message from the Guest Editors

Edge computing is an emerging computing paradigm which advocates processing data at the logical edge of a network and enables data analytics to occur closer to the data source and users, thereby reducing the response latency of analytics tasks. This advantage makes it a promising approach to real-time systems, ranging from smart cities and intelligent traffic control to video surveillance, in which live data (e.g., video, audio) generated from devices have strong requirements in terms of fast treatment, e.g., real-time mixed reality which requires the system to have a comprehensive understanding of different objects and instances as quickly as possible in the real world.

This Special Issue focuses on optimizing real-time systems via edge computing. We encourage papers in all areas related to the following topic:

- task scheduling;
- software architectures;
- data management;
- middleware;
- resource orchestration;
- artificial intelligence.

You are welcome to contribute!!!

Special Issue

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Message from the Editor-in-Chief

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