

Spatiotemporal Platforms for Addressing Social and Physical Challenges

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Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

Social and physical challenges, such as natural disasters, environmental problems, public security, and human activities, occur in both space and time. Many technologies have been developed in the past decade to address these challenges. Especially in the past few years, systematic investigation of spatiotemporal issues has provided new opportunities to address these challenges with better solutions. For example, the utilization of spatiotemporal principles and patterns in optimizing hybrid computing (cloud, grid, edge/fog, quantum, and GPU) has greatly improved our leveraging of limited computing devices for complex computing tasks. The extraction and application of spatiotemporal methodologies in dealing with big spatiotemporal data has opened new doors to enable many real-time and new approaches.

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