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Collaborative Sensor Networks and Advanced Data Analytics for Urban Emergencies and Disaster Relief Efforts

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Message from the Guest Editors

Every year the population density in cities increases and becomes more and more dependent on supporting systems (e.g., electricity, water, transportation, communication networks) which are steadily growing into complexity and interconnections. Therefore, when natural or human-made hazardous events hit urban areas, the consequences on the civilians is high, and the response and recovery processes are complex and expensive. In these scenarios, the effectiveness of the preparedness and response activities play a key role to mitigate the impact of these events. The research work in disaster management has identified the ICT technology and collaborative work as key pieces to conceive solutions that help address urban emergencies and disaster relief efforts.

This Special Issue aims at covering the state of the art and advancements in technologies, processes, and IT solutions that improve the strategies available to address preparedness, response, recovery, and learning from extreme events affecting urban areas.



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Special Issue



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Message from the Editor-in-Chief

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