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

Guest Editors:

Dr. Sergio F. Ochoa
University of Chile, Computer Science Department, Santiago, Chile

sochoa@dcc.uchile.cl

Dr. Weiming Shen
National Research Council of Canada and University of Western Ontario, Ottawa, Canada

wshen@ieee.org

Dr. Roc Meseguer
Polytechnic University of Catalonia, Department of Computer Architecture, Barcelona, Spain

meseguer@ac.upc.edu

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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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Message from the Editorial Board

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Contact Us

Sensors
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
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