Special Issue

Smart City Alert: Systems for Prevention and Detection of Disasters

Message from the Guest Editors

The most vulnerable elements influencing both human life and the environment are disasters. Smart cities are mainly affected by disasters. This demonstrates the need for effective disaster management systems in urban areas. Smart city alert systems integrate cutting-edge technologies to track a variety of variables, including weather conditions, environmental factors, and the condition of the infrastructure, in order to forecast and avoid possible disasters. With the ability to process vast amounts of data collected from sensors, satellites, and other sources, machine learning algorithms are increasingly becoming a powerful tool for smart city alert systems to identify potential vulnerabilities and predict failures in real time. For this Special Issue, we aim to present a collection of review and original research articles related to the latest technologies on the most recent developments in disaster detection and prevention systems, such as smart sensors, artificial intelligence-based damage identification, infrastructure disaster prediction, and early warnings for infrastructure safety.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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