A Survey on Disaster Management Systems

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Abstract

Disaster is a sudden event bringing great damage to life and property. Managing a disaster situation is a challenging task. Disaster management is one of the most demanding applications in the field of emergency assistance and long term maintenance for refugees and displaced persons. One tool for improving disaster is quick access to accurate and updated information about the disaster situation. This paper aims to discuss various disaster management techniques that can be used by the first responders and the public to lessen the impacts caused during a disaster. The various disaster management systems reviewed in this paper includes TtT system, MRCCFR system, UbAlert disaster application and BRIDGE system. The advantages and disadvantages of using each of these systems are also discussed.

References


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Keywords

Tweek-the-Tweet (TtT) System; Mobile Rich Media Communication Tool for First Responders (MRCCFR); Intelligent Guards Against Disasters (iGaDs); Bridging Resources and Agencies in Large Scale Emergency Management (BRIDGE).