



# CALL FOR PAPERS

Ad hoc and wireless sensor networks have been proposed as an appealing communication method to deal with the unexpected conditions that emerge during and/or after a disaster. Communications among victims and crew members involved in rescue operations are crucial in order to alleviate the disaster consequences and save lives. In particular, at the peak of this i-phone era, people mostly communicate with each other using smartphones, making calls or sending text messages through internet and via applications such as WhatsApp, Facebook, and Line among others. However, cellular-based communications may not be possible after a disaster due to the damage caused to the telecommunication infrastructure, leaving many people isolated and unprotected. The scope of this special issue is in line with recent advances on such applications of ad hoc networks for managing disaster scenarios.

Potential topics include, but are not limited to:

- ▶ Ad hoc communication paradigms and their applicability for disaster scenarios and/or threat detection
- ▶ Delay tolerant networks (DTNs) and opportunistic networks (OP) for disaster scenarios and/or threat detection
- ▶ Wireless mesh networks (WMN) for disaster scenarios and/or threat detection
- ▶ Real-time data collection and decision making in disaster scenarios and/or threat detection
- ▶ Theory, technology, and architecture of sensor networks in monitoring and managing of disaster scenarios
- ▶ Data processing, reliability, and power management techniques for sensor networks in disaster scenarios and/or threat detection
- ▶ Security, privacy, and system integrity of sensor networks in disaster scenarios and/or threat detection
- ▶ Applications, experiences, platforms, case studies, demos, and prototype testing on sensor networks in disaster scenarios and/or threat detection
- ▶ Future Internet, Web 2.0, Internet of Things, and Next Generation Technologies in disaster scenarios and/or threat detection
- ▶ Deployment of disaster recovery networks
- ▶ Vehicular ad hoc networks (VANETs) for disaster scenarios
- ▶ Use of civic drones including unmanned aerial vehicles (UAVs) in disaster scenarios and/or threat detection
- ▶ Underwater communications for disaster sea and underwater scenarios, such as tsunami

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