

**Photogrammetric Engineering & Remote Sensing (PE&RS)**  
**October 2013 Special Issue Call for Papers**  
**“Geospatial Responses to Disasters: A Holistic Approach (Web-based GIS/Mobile Devices)”**

**Guest Editors**

Dr. Maria Antonia Brovelli, Politecnico di Milano  
Dr. Piero Boccardo, Politecnico di Torino  
Mr. David Alvarez, Fluor-B&W Portsmouth

The Internet is a valuable tool for communication and data dissemination. It provides an easy way to bring people together with common interests to exchange knowledge, ideas and technology regardless of their geographical location. In its role as an effective tool for communication, it can be invaluable for disaster management yet it has been underutilized. Access to spatial data, as well as advanced mapping and spatial analysis over the Internet, is critical for all stages of disaster management including preparedness, response and recovery.

Effective disaster management requires integration and distribution of historical, preplanned, and real-time information from various sources. This information must be reliable, accurate and understandable in the fastest time possible to carry out the required activities. It is in these situations where Geo-enabled web services and mobile GIS can be used to plan for, respond to and recover from emergency situations by providing responders with the most accurate information when it is most needed and with the ability to be updated consistently. In other words, Geo-enabled web services plus the mobile GIS give emergency management professionals the ability to assemble large amounts of public information about their community to analyze and use the information in a intelligent and efficient manner. This will also allow the personnel, on the ground, to collect, maintain and store vital information related to infrastructure, cadastre, street networks and land use; all of which make the response to the disaster more cohesive.

The exploitation of web services and mobile GIS can significantly increase the usage and accessibility of spatial data, which is a key requirement before, during and after any disaster. Also, recent growth and advancements of various technologies has helped mobile GIS enabled users to decrease task redundancy and keep their data current. Utilizing mobile GIS and web services is both a way to increase speed and accuracy of communication and data flow during disasters.

This special issue will solicit articles on the following topics:

- Web based multidimensional GIS for disaster management
- Data interoperability for disaster management
- Web-based geospatial disaster response
- Crisis mapping
- Crowd sourcing data collection before, during and after disasters
- Workflow to increase real-time accessibility of data
- Data standardization, organizational and legal aspects of sharing remote sensing information.
- Workflow to convert data into usable information.

Authors must prepare manuscripts according to the PE&RS Instructions to Authors, published in each issue of PE&RS and also available on the ASPRS web site

<http://www.asprs.org/pers/AuthorInstructions>. All submissions will be peer-reviewed in accordance with PE&RS policy. Because of page limits, not all submissions recommended for acceptance by the review panel may be included in the Special Issue. Under this circumstance, the guest editors will select the most relevant papers for inclusion in the special issue. Papers that

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are reviewed favorably, but will not fit within the Special Issue, can be revised and submitted for review as a new paper to the *PE&RS* Editor-in-Chief for possible publication in a future regular issue of *PE&RS*.

**Important Dates:**

Manuscripts Due: 11/01/12  
Decision to Authors: 02/01/13  
Final Papers Due: 03/01/13  
Publication: 10/01/13

**Please e-mail your manuscript directly to:**

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