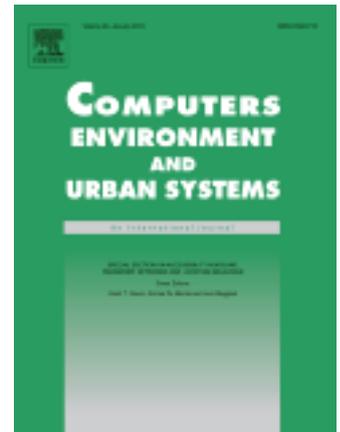## Call for Papers: Computers, Environment, and Urban Systems (CEUS) (Elsevier)

Special issue on: "Advances in geospatial emergency management"

Special issue editors: Matt Duckham, Mark W. Horner,
Allison Kealy, Eren Erman Ozguven

A more populous and interconnected world with a warming climate is anticipated to lead to increasing incidence and severity of natural and anthropogenic disasters. Making smart use of available information about space and time is integral to improving success across the spectrum of emergency management activities, whether dealing with issues of preparedness, response, recovery, mitigation, rescue, or reconstruction.

In this special issue we invite original research articles (8,000 words or less) addressing the state-of-the-art in using **spatial information and geographic information systems (GIS) to emergency management issues**, broadly defined (e.g. disaster preparedness, assessing infrastructure vulnerability, evacuation and sheltering, etc.). Topics of interest include, but are not limited to the support of emergency management, modeling, and planning activities related to:

> Crowd sourced and user-generated spatial data;
> Visualization of complex, dynamic, multi-scale, or uncertain emergency information;
> Spatiotemporal situational awareness for emergency responders or controllers;
> Position and localization systems, algorithm and techniques for emergency applications including alternatives to GNSS, integrated/hybrid solutions and indoor systems;
> Real-time emergency spatial decision support systems, such as for evacuation planning or supply/commodity transportation;
> Applications of spatial information and GIS to specific emergency scenarios, such as wildfires, flooding, multimodal transport assessments, and evacuations;
> Use of GIS-based solutions to serve the needs of vulnerable populations in emergency operations
> Application and innovative use of novel spatial sensing technologies for emergency applications, such as satellite imagery, geosensor networks, UAVs, terrestrial and airborne laser scanning and other spatial imaging systems; and
> Computational approaches in emergency management such as spatial optimization modeling, agent-based modeling, and network analysis.

We also encourage original and comprehensive literature reviews on topics relevant to the issue theme.

All submissions must be original, never published in similar or abridged form in English, or any other language. The deadline for submissions is **August 25th 2015**. Submissions must conform to CEUS submission guidelines. Submissions will be rigorously reviewed by at least three international expert reviewers. The Elsevier journal management system is open to accept submissions. Instructions for authors are available at http://ees.elsevier.com/ceus/default.asp. When submitting, please use **SI: AGEM** when selecting the "Article Type" for your submission. CEUS has an impact factor of 1.520.

For more information feel free to contact one of the special issue editors: Matt Duckham (mduckham@uni-melb.edu.au), Mark W. Horner (mhorner@fsu.edu), Allison Kealy (akealy@unimelb.edu.au), Eren Erman Ozguven (eozguven@fsu.edu).

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