Call for Papers:  
**COMPUTERS, ENVIRONMENT AND URBAN SYSTEMS**

Special Issue on:  
**Distributed & mobile spatial computing**

Guest editors:  
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**Scope**
Ubiquitous wireless sensor networks and mobile processing devices combined with novel distributed computing architectures are enabling a new range of spatial applications. Most of the information generated by these distributed systems and applications is spatially referenced. Managing, processing, and using this geospatial information presents significant new research challenges in distributed and mobile information systems. Distributed and mobile geospatial technologies have important implications across many application domains, including transportation, tracking, navigation, active environments reacting to a mobile user’s context, sustainable management of natural environments, and emergency preparedness and response.

**Topics**
- Data structures and algorithms for distributed geoinformation processing in mobile ad-hoc networks & geosensor networks
- Innovative and emerging applications of distributed & mobile spatial computing
- Applications of distributed & mobile spatial computing in environmental monitoring and management, transportation, safety and security, and emergency preparedness and response
- Embedding spatial intelligence in active, natural and built environment
- Localization and tracking in mobile ad-hoc networks & geosensor network
- Querying and data mining for distributed geoinformation systems
- Qualitative spatial reasoning in distributed geoinformation processing
- Uncertainty and redundancy in ubiquitous environments and geosensor networks.

We invite full research journal articles. Articles must be in digital format and must conform to standard CEUS guidelines for authors. The instructions for authors can be found at: [http://www.elsevier.com/wps/find/journaldescription.cws_home/304/authorinstructions](http://www.elsevier.com/wps/find/journaldescription.cws_home/304/authorinstructions)

All papers will go through the normal peer review process.  
**The deadline for submissions is: 31 January 2008.**

Submissions should be made using the journal’s own online submission system. When making a submission, please be sure to mention the special issue in your cover letter. Enquiries regarding the special issue are welcomed and may be addressed to any of the guest editors:

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