



Call for Papers (MASS-GHS'07)



First International Workshop on Mobile Ad hoc and Sensor Systems for Global and Homeland Security

<http://www.eecs.wsu.edu/~holder/mass-ghs07>

Pisa, Italy – October 12, 2007

In conjunction with the 4th IEEE Conference on Mobile Ad-hoc and Sensor Systems (MASS'07)

<http://cnd.iit.cnr.it/mass2007/>

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Paper Submissions

Papers are limited to six (6) pages and must be formatted according to the main conference's formatting requirements and submitted via the EDAS paper management system (see workshop website for details). Accepted papers will be published by IEEE in the MASS'07 conference proceedings. At least one author of each accepted paper must register for the conference at the full conference rate. Pending approval of a special issue of the Pervasive and Mobile Computing Journal, authors of high-quality papers presented at the workshop will be invited to submit extended versions for this special issue.

Theme and Scope

The development, deployment and coordination of mobile ad hoc and sensor systems (MASS) has been studied for a number of years, and much of this research is beginning to transition into real solutions for a variety of domains. One domain that is ripe for MASS research and development is global and homeland security. Much of the security mission involves the monitoring of various environments (e.g., ports, borders, mass transit hubs, financial centers, power grids, the Internet) and the prediction and detection of threats to these environments. MASS represent a general solution to maintaining security in these environments.

In this workshop we seek to bring together researchers and practitioners representing the state-of-the-art in MASS research and technology targeted toward the global and homeland security domain. Specific topics of interest include (but are not limited to) the following. All papers must have a clear, stated, and ideally tested application to global and homeland security.

- Development of novel sensors and sensor systems for threat detection
- Efficient and effective deployment of mobile devices and sensors
- Heterogeneous systems for surveillance and threat detection
- Novel architectures for use of MASS in Global and Homeland security
- Secure and fault tolerant coordination and communication
- Information fusion for prediction and detection of threats
- Integration and registration of data from multiple sources
- Effective decision-making in dynamic environments
- Testing and evaluation of MASS for security
- Simulation and modeling of MASS, environments, and scenarios
- Simulation and modeling of threats and environments relevant to sensor response
- Simulation and modeling of temporal threat events relevant to sensor response
- Prototype models of secure environments
- Secure smart environments
- Disaster mitigation and emergency response

Important Dates

Submission due: May 25, 2007 (**extended**)

Acceptance Notification: July 15, 2007

Final Manuscript due: August 10, 2007

Workshop: October 8, 2007