

**The 2009 International Symposium on Collaborative Technologies and Systems
(CTS 2009)
May 18-22, 2009
The Westin Baltimore Washington International Airport Hotel
Baltimore, Maryland, USA
<http://cisedu.us/cis/cts/09/main/callForPapers.jsp>**

CALL FOR PAPERS

Special Session on Sensor Web Enablement (SWE)

Submission Deadline: January 15, 2009

SCOPE AND OBJECTIVES

The Open Geospatial Consortium, Inc's Sensor Web Enablement (SWE) standards enable developers to make all types of sensors, transducers, and sensor data repositories discoverable, accessible, and useable via the Web. The SWE effort involves OGC members in developing the global framework of standards and best practices that make linking diverse sensor related technologies fast and practical. Standards make it possible for users to assemble sensor systems and components together efficiently; protect investments; reduce likelihood of dead-end technologies, products or approaches; allow for future expansion and encourage collaboration between Sensor Web components and users.

The first elements of the standards began to appear about four years ago in 2005. While the standards have continued to evolve and mature as they make their way through the OGC process, various user communities have applied the standards with and without open source implementations. The purpose of this special session is to take a broad review of the SWE standards, as well as exchange experiences, present results and concepts on how the standards might be utilized to develop robust, collaborative systems of sensor systems.

Session topics include (but not limited to):

- * SWE applications
- * SWE environments
- * Sensor types
- * Usage techniques
- * Implementations including private, commercial, and open source
- * SWE goals
- * SWE results
- * Experiences and potential future directions for this exciting collaboration standard

Submission Instructions:

Authors are invited to submit original papers to the special session organizer by **January 15, 2009**. Electronic (pdf) submissions are encouraged and should be sent to allenk@saic.com and beebeb@saic.com. For other review electronic formats, please check with the organizer. Papers submitted for review should not exceed 10 pages in IEEE single-spaced, double-column format. Include up to 6 keywords and an abstract of no more than 350 words. Submissions should also include the title, authors name, affiliation, e-mail address, fax number and postal address. In case of multiple authors, an indication of which author is responsible for correspondence should also be included. If accepted, the final manuscript will follow the CTS 2009 format that is available on the conference Web site at <http://cisedu.us/cis/cts/09/main/callForPapers.jsp>.

Consistent with standard practice, each submitted paper will receive a minimum of three reviews. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Initial selection will be based on full papers. Submission implies the willingness of at least one of the authors to register and present the paper, once accepted. All accepted papers are required to be presented and will be included in the conference proceedings. Instructions for final manuscript format and requirements will be posted on the CTS 2009 Symposium web site later. Symposium Proceedings and its papers will be cataloged in IEEE Digital Library.

Workshop Organizers:

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Technical Program Committee:

All submitted papers will be rigorously reviewed by the special session technical program committee members.

- Rajkumar Buyya, University of Melbourne, Australia

- Oscar Corcho, UPM, Spain
- Kenneth Chiu, SUNY Binghamton, USA
- Kevin Delin, SensorWare Systems, USA
- Stefan Falke, Washington University, St. Louis, USA
- Manfred Hauswirth, DERI, Ireland
- Cory Henson, Wright State University, USA
- Kang Lee, NIST, USA
- Laurent Lefort, CSIRO, Australia
- Yong Liu, NCSA, USA
- Brand Neimann, EPA, USA
- Carl Reed, Open Geospatial, USA
- Ingo Simonis, Geospatial Research, Germany

Important Dates:

Paper Submission Deadline	January 15, 2009
Notification of Acceptance	February 7, 2009
Registration & Camera-Ready Paper Due	March 3, 2009

For information or questions about the workshop and the paper submission procedure, please contact the Workshop organizers. Also check the web site at <http://knoesis.wright.edu/workshops/swe/>.

For information or questions about the full Symposium's program, tutorials, exhibits, demos, panel and special sessions organization, please consult the conference web site at URL: <http://cisedu.us/cis/cts/09/main/callForPapers.jsp> or contact the symposium co-chairs: Bill McQuay at AFRL/RYT, WPAFB (William.McQuay@wpafb.af.mil) or Waleed W. Smari at the Dept. of Electrical and Computer Engineering, University of Dayton (Waleed.Smari@notes.udayton.edu).