

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 Security in Wireless Sensor Networks

Submission Deadline: January 15, 2009

SCOPE AND OBJECTIVES

Wireless sensor networks (WSN) and ubiquitous sensing have the potential to change the way people live and work in the same way that the Internet did in the 1990s. While the foundations of the Internet were created without security in mind and many plaguing problems resulted, there is an opportunity to instill security in to WSNs from the beginning. Security must pervade every aspect of WSNs from the ground up – it is not something that can be layered on top of the final product. Therefore, the CTS Special Session on Security in Wireless Sensor Networks will look at security of all facets of WSNs, from the sensor node itself, to the physical, link layer, and network communications, up to complete WSN systems and applications.

Possible session topics include (but not limited to):

- Cost-effective anti-tamper mechanisms
- RF signature analysis
- Secure routing protocols
- Small-footprint encryption in distributed, resource-constrained environments
- Key distribution
- WSN attack analysis

This is not an exhaustive list. The intent is to provide a broad discussion of the state-of-the-art in WSN security.

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

michelle.cheatham@wpafb.af.mil and bin.wang@wright.edu. For other review electronic formats, please check with the organizers. 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.

Workshop Organizers:

Michelle Cheatham

Air Force Research Lab
2241 Avionics Circle, Bldg 620
Wright-Patterson AFB, OH 45433
(937) 255-4947 x3162
Fax: (937) 655-4351
michelle.cheatham@wpafb.af.mil

Bin Wang

Wright State University
3640 Col Glenn Highway
Dayton, OH 45435
(937) 775-5115
(937) 775-5133
bin.wang@wright.edu

Technical Program Committee:

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

- Dr. Barry Mullins, AFIT, Ohio, USA
- Dr. John Erickson, AFRL, WPAFB, Ohio, USA
- Mr. Derrick Maddox, Ball Aerospace, Ohio, USA
- Dr. Meilin Liu, Wright State University, Ohio, USA
- Mr. Jason DeWeese, Ball Aerospace, Ohio, USA
(Partial list)

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 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).