The 2008 International Symposium on Collaborative Technologies and Systems (CTS 2008)
May 19-23, 2008
The Hyatt Regency Irvine
Irvine, California, USA
http://cisedu.us/cis/cts/08/

CALL FOR PAPERS

International Workshop on Distributed Collaborative Sensors Networks

Submission Deadline: January 21, 2008

SCOPE AND OBJECTIVES

The 1st International Workshop on Distributed Collaborative Sensors Networks aims at providing opportunities to present the most recent advances and future challenges in the field of distributed, wireless and mobile communications in sensors networks, as they relate to collaboration.

Wireless Sensors Networks constitute a significant current technology, attracting considerable research interest from various disciplines. Indeed, the wireless sensor technology is employed in emerging areas with high potential for scientific research, being used for biomedical, environmental or industrial applications. These applications generally require intelligent dense environment monitoring which generates important data volumes. Data collection and analysis need to deal with cooperation and coordination topics in order to prolong network lifetime and to provide useful, synthesized information for automation, decision making and support. Topology control, by means of clusters or groups, is another applied technique to overcome these challenging problems.

The 1st International Workshop on Distributed Collaborative Sensors Networks will focus on the research of developing collaboration infrastructures and solutions in the context of wireless sensors networks, aiming to bring together researchers and practitioners in these fields. In addition, the workshop will highlight recent innovative research results which will strengthen the formal foundation of this emerging area. This workshop is to be held as part of the 2008 International Symposium on Collaborative Technologies and Systems (CTS08).

Topics of Interest include (but are not limited to):

- Data and Resource Sharing in Sensors Networks
- Collaborative Data Management on Large Scale
- Distributed Sensors Architectures

- Protocols for Wireless Sensor Networks
- Interfacing with Wireless/Mobile Systems
- Routing and Data Transport in Wireless Sensor Networks
- Group Collaboration in Sensor Networks
- Visualization Techniques and Visual Languages for Collaborative Sensor Networks
- Multi-sensor Data Fusion
- Methods for Ad Hoc Deployment
- Algorithms for Sensor Localization and Tracking of Mobile Users
- Energy Issues and In-Situ Calibration Methods
- Performance Evaluation of Distributed Sensor Networks
- Trust and Security Issues in Distributed Collaborative Sensor Systems
- Intelligent Sensor Technologies and Applications
- Applications Enabled by Collaborative Sensor Network Architectures

SUBMISSION INSTRUCTIONS

We invite papers reporting original and unpublished research work on above and any other related topics from researchers in academia and industry. Submission should include a cover page with authors' names, affiliations, addresses, fax and phone numbers, and email addresses. Include also an abstract of no more than 300 words along with a short list of keywords.

Please submit an electronic copy of your full manuscript (not exceeding 10 pages in IEEE format, single-spaced, double-column, including figures, tables and references). Electronic submissions will be accepted only in PDF format, sent by email to the organizers. Instructions for final manuscript format and requirements will be posted on the Symposium's web site later. Submission implies the willingness of at least one of the authors to register and present the paper, if accepted. All accepted papers are required to be presented and will be included in the conference proceedings.

All submitted papers and posters will be rigorously reviewed by the technical program committee members and the reviewers they invite. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Initial selection will be based on full papers.

WORKSHOP ORGANIZERS

The technical program committee of DCSN 2008 is co-chaired by

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Technical Program Committee

The members of the Program Committee are:

- Jiannong Cao, Hong Kong Polytechnic University, Hong Kong
- Huah Yong Chan, University Sains, Malaysia
- Patrice Clemente, ENSI Bourges, France
- Dan Grigoraş, University College Cork, Ireland
- Jean-Christophe Lapayre, LIFC, Besançon, France
- Vincent Lecuire, CRAN Nancy, France
- Gianluca Moro, University of Bologna, Italy
- Vladimir Oleshchuk, Agder University College, Norway
- Thierry Villemur, LAAS, Toulouse, France

<u>IMPORTANT DATES</u>

Paper Submission Deadline	**January 21, 2008**
Notification of Acceptance	**February 11, 2008**
Registration & Camera-Ready Paper Due	**March 3, 2008**

If you have questions regarding workshop paper submission or the workshop content, please contact Herve Guyennet (guyennet@lifc.univ-fcomte.fr) or Violeta Felea (felea@lifc.univ-fcomte.fr).

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/08/** or contact the symposium co-chairs: Bill McQuay at AFRL/IFSD, 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).