

**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

**Special Session on
Collaborative Networking for Agriculture and Applications**

Submission Deadline: January 21, 2008

Brief Description:

A Special Session on Collaborative Networking for Agriculture is being organized under the 2008 Collaborative Technologies and Systems Symposium (CTS'08) to be held May 19-23, 2008, at Hyatt Regency, Irvine California, USA. This special session is proposed to bring together people from industry, government and academia who are working to innovate, develop and use networking and IT infrastructure for the purpose of collaborative work in the field of agriculture and applications. Some of the recent examples of collaborative work in agriculture via networking include AIN (Agricultural Information Network) in Thailand that connects agricultural information databases to the agricultural development banking system to help in automating and making informed timely decisions. In the Czech Republic, the farmers were given computers and a network was created through which the farmers were able to plan their crops efficiently and support various processes. In Pakistan, the Agrikiosk project was developed for the purpose of providing vital information to the farmers about weather changes and watering schedules. Work is in progress to design and test portable mobile collaborative networks based on cell phones and other PDAs to disseminate information to the farmers and vice versa.

This special session looks at all hardware, software and applications issues that are involved in providing a reliable, robust and ubiquitous networking infrastructure to build collaborative tools and services for agriculture and related fields including the state of the art as well as experimental results and posters about ongoing works in this direction. We invite original contributions on these emerging and important areas of information technology.

Topics of Interest include:

- Intelligent Interfaces/ Interface Design Constraints for Implementing the ICT for rural areas
- Applications of Wireless and Sensor Networks in Agriculture
- Trusted and Secure Agri-Collaboration
- Real Time Collaborative Systems for Agricultural Applications
- Use of Mobile and Pervasive Devices in Agriculture

- Web based Collaborative Applications for Agriculture
- Agriculture Data Mining and Warehousing
- Multimedia Applications for Agriculture
- Digital Elevation Models for Agriculture and Crop Yield
- Weather Forecasting & Modeling
- Remote Sensing
- Geographic Information System/ Geographical Positioning Systems Applications for Agriculture
- Geospatial Applications for Fruits and Vegetables
- Information Technology (IT) Data Management
- Weather Networks
- Automation, Robotics and Auto-Guidance for Fruit and Vegetable Production
- Soil and Plant Sensors
- Tracking, Traceability, and Food Security

Paper Submission:

Papers reporting original and unpublished research results on above and any other related topics are solicited. Submission should include a cover page with authors' names, affiliations, addresses, fax and phone numbers, and email addresses. Please indicate clearly the corresponding author. Include up to 6 keywords from the above list and an abstract of no more than 300 words. Please submit a PDF copy of your full manuscript (not to exceed 10 pages in the IEEE format, single-spaced, double-column, including figures, tables, and references, posted on the CTS 2008 web site) as an email attachment to chairs of special session at junaid@uoh.edu.sa and attiya_akram@yahoo.com.

Consistent with standard practice, each submitted paper will receive 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, if accepted. All accepted papers in the Symposium are required to be presented and will be included in the conference proceedings. The proceedings will be formally published in hard and soft copies and will be available at the time of the conference.

Important Dates:

Paper submission Deadline: 21 January 2008
Notification of Acceptance: 11 February 2008
Registration and Camera Ready Manuscript Due: 3 March 2008

Special Session Organizers and Technical program Committee:

The technical program committee of CNA 2008 is co-chaired by:

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For information or questions about the special session and the paper submission procedure, please contact the session organizers.

For information or questions about Symposium's paper submission, 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/RYT, WPAFB, Ohio, USA, (William.McQuay@wpafb.af.mil) or Waleed W. Smari at the Dept. of Electrical and Computer Engineering, University of Dayton, Ohio, USA, (Waleed.Smari@notes.udayton.edu).