

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 Emergency Medical Data Transmission and Handling Methods

Submission Deadline: January 15, 2009

Brief Description:

A Special Session on Emergency Medical Data Transmission and Handling Methods has been organized under the 2009 Collaborative Technologies and Systems Symposium (CTS'09) to be held May 18-22, 2009, at Westin Baltimore Washington Intl' Airport Hotel, Baltimore, Maryland, USA. This special session is proposed to bring together people from medical sector, industry, hospitals, government and academia who are working to develop methods and technologies for the handling and transmission of emergency medical data from disaster sites and moving ambulances to hospitals and other relief centers. Hospitals and medical personnel work for saving lives when mass disasters hit buildings, vehicles and towns. The patients are transferred from the disaster site and triage units to hospitals for full treatment by physicians. During all this time, it is important to collect and transmit vital signs of patients for interpretation by physicians. Physicians can identify the people in most critical condition and communicate with paramedics for their urgent treatment. More efficiency, better response and preparations can be expected from these new systems.

This special session covers 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 emergency medical data transmission and handling as well as experimental results and posters about ongoing works in this direction. We invite all types of original contributions on this emerging area of interest.

Topics of Interest include (but not limited to):

- Applications of Wireless and Sensor Networks in Medicine
- Wireless ad-hoc networks for Disaster sites
- First alert network for senior citizens residences
- Real Time Collaborative Systems for Emergency Personnel
- Vital Signs aggregation and transmission on 3G cellular networks
- Emergency medical data reduction techniques

- 3-D medical data transmission over wireless

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Papers reporting original and unpublished research results on above and any other related topics are solicited.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 draft manuscript (not to exceed 10 pages in the IEEE format, single-spaced, double-column, including figures, tables, and references) as an email attachment to chairs of the special session at zubairi@fredonia.edu, and tasadduq@gmail.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. Instructions for final manuscript format and requirements will be posted on the CTS 2009 Symposium web site later.

Special Session Organizers and Technical Program Committee:

The technical program committee is co-chaired by:

Junaid Ahmed Zubairi

SUNY at Fredonia, Fredonia NY USA

Tel: +1-716-673-4694

Fax: +1-716-673-4821

Email: zubairi@fredonia.edu

WWW: <http://www.cs.fredonia.edu/zubairi>

Imran Ali Tasadduq

FAST-National University of Computer & Emerging Sciences

Karachi, Pakistan

Tel: +9221-111-128-128

Fax: +9221-410-0549

Email: tasadduq@gmail.com

Technical Program Committee:

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

Mohiuddin Ahmed, IIUM, Malaysia (ahmed255555@yahoo.com)

Ziya Arnavut, SUNY Fredonia, USA (arnavut@cs.fredonia.edu)

Omer Mahmoud, IIUM, Malaysia (omer_one@yahoo.com)

Sohail A. Sattar, NED University of Engineering, Pakistan (sattar7pk@yahoo.com)

Tauseef Ahmed, SSUET, Pakistan (tmubeen@ssuet.edu.pk)
(Partial list)

Important Dates:

Paper submission Deadline: January 15, 2009
Notification of Acceptance: February 7, 2009
Registration and Camera Ready Manuscript Due: March 3, 2009

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

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).