

3rd International Workshop on Collaborative Mobile Systems and Sensors Networks (CMSSN 2013)

Call for Papers and Participation

As part of
The 2013 International Conference on Collaboration Technologies and Systems (CTS 2013)
<http://cts2013.cisedu.info>

May 20-24, 2013

The Sheraton San Diego Hotel & Marina
San Diego, California, USA

In Cooperation with ACM, IEEE, and IFIP

Submission Deadline: January 15, 2013

Submissions could be for full papers, short papers, poster papers, or posters

SCOPE AND OBJECTIVES

Wireless Sensors Networks (WSN) have spurred a considerable amount of research interest from various disciplines and application domains. They have been employed in emerging areas with high potential for societal impact, and are being used in plethora of biomedical, environmental and industrial applications. The processes of data gathering, analysis and information fusion need to employ efficient cooperation and coordination among tasks at different layers and abstractions – while having the constraint of energy-consumption on mind and, consequently, prolonging the effective network lifetime and its topology control.

A specific aspect of collaboration in WSN is the one with mobile systems. In many environmental application scenarios, typically there are much fewer mobile than static nodes, but the mobile nodes have much higher energy reserves, as well as communication range. Consequently, they can improve the sensing coverage and reliability of transmission – but they do introduce an extra burden: the management of the mobile units. In other application scenarios – e.g., structural health-monitoring and traffic management – the ratio of mobile units to static (e.g., on bridges or along road-side) in a certain area is much higher. However, in such settings, the mobile entities that have a collaborative role change much more frequently with time. Mobile and wireless systems offer a wide range of applications and services that are conducive to collaboration, and vice versa.

The International Workshop on Collaborative Mobile Systems and Sensors Networks (CMSSN 2013) aims at providing an opportunity for researchers and practitioners to present their contributions addressing various challenges in efficient management of the collaborative aspects in wireless and mobile sensors networks and systems. CMSSN will be held in conjunction with the 2013 International Conference on Collaboration Technologies and Systems (CTS 2013), providing a focused forum for presenting current results and visions in this emerging area.

Topics of interest include, but are not limited to:

- Mobile and Sensor Networks Architectures
- Data and Resource Sharing in Mobile Systems and Sensors Networks
- Protocols for Efficient Coupling of Mobile Systems and Sensor Networks
- Interfacing between WSN and Mobile Systems

- Routing and Data Transport in Wireless Sensor Networks
- Clustering in CMMSN
- Visualization Techniques for CMSSN
- Methods for Ad Hoc Deployment of Static Nodes and Collaborative Guidance of Mobile Nodes
- Performance Metrics and Evaluation in CMSSN
- Trust, Security and Privacy Issues in Distributed CMSSN
- Wearable/Body Sensor Networks and Mobility
- CMSSN for Groups and Organizations Work
- Intelligent Sensor Technologies and Applications
- Experiences with Mobile Applications, Networks and Systems
- Innovative Mobile and Mobile Sensing Applications
- Mobile Devices for Collaborative Activities
- Support for Mobile Social Networking and Mobile Web
- Systems for Location, Context Sensing and Awareness
- Usability for Mobile and Sensing Applications and Systems

PAPER SUBMISSION INSTRUCTIONS

You are invited to submit original and unpublished research work on above and other topics related to sensor networks and systems and collaboration. Submitted papers must not have been published or simultaneously submitted elsewhere. Submission should include a cover page with authors' names, affiliation, addresses, fax numbers, phone numbers, and email addresses. Please, indicate clearly the corresponding author and include up to 6 keywords from the above list of topics and an abstract of no more than 350 words. The full manuscript should be at most 8 pages using the two-column IEEE format. Additional pages will be charged additional fee. Short papers (up to 4 pages), poster papers and posters (please refer to <http://cts2013.cis.edu.info/home/posters> for the posters submission details) will also be accepted for submission. Please include page numbers on all preliminary submissions to make it easier for reviewers to provide helpful comments.

Submit a PDF copy of your full manuscript via the Workshop EasyChair link at <https://www.easychair.org/conferences/?conf=cmsn2013>.

Only PDF files will be accepted, submitted via the web link above. Consistent with the practice of CTS, each paper will receive three reviews. Papers will be selected based on their originality, relevance, technical depth and clarity of presentation. Submission implies the willingness of at least one of the authors to register and present the paper, if accepted. Authors of accepted papers must guarantee that their papers will be registered and presented at the workshop.

Accepted papers will be published in the Conference proceedings. Instructions for final manuscript format and requirements will be posted on the CTS 2013 Conference website. It is our intent to have the proceedings formally published in hard and soft copies and be available at the time of the conference. The proceedings are projected to be included in the IEEE Digital Library and indexed by major indexing services accordingly.

If you have any questions about paper submission or the workshop, please contact the workshop organizers.

IMPORTANT DATES

Paper Submissions: ----- **January 15, 2013**
Acceptance Notification: ----- **February 8, 2013**
Camera Ready Papers and Registration Due: ----- **February 21, 2013**
Conference Dates: ----- **May 20 - 24, 2013**

WORKSHOP ORGANIZERS

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