

[TCDP] IEEE TC on Distributed Computing Newsletter, October 2006

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Table of Contents

- * Brief Conclusion, MASS' 06
- * Preliminary Call for Papers, MASS' 07
- * Important Dates, ICDCS 2007
- * PerCom' 07 New Announcement, PerCom 2007
- * Recent News, MSN' 06

Another successful IEEE MASS

The 3rd IEEE International Conference on Mobile Ad-hoc and Sensor Systems (MASS'06) was held at the beautiful Renaissance hotel at the harbourside of Vancouver, October 9-12, 2006. This year Charles E. Perkins and Jie Wu served as general chairs, and Zygmunt Haas and Jennifer Hou as program chairs.

This year, the conference received 196 submissions from 27 countries. All in all, 48 full papers were accepted, and additional 24 papers will be presented as posters. The papers were organized into twelve technical sessions, addressing topics at the different protocol layers, such as coverage and localization, PHY/MAC capacity analysis, security and privacy, and middleware and applications. In addition, five workshops were held in the first day of the conference.

Along with these high-quality technical papers, the MASS'06 technical program also features a number of invited talks, which highlight the state-of-the-art research in, and speculate on the future of, wireless and sensor network applications. Prof. P.R. Kumar of University of Illinois, Urbana-Champaign and Dr. Krishan Sabnani of Bell Laboratories, Lucent Technologies, will deliver the keynote speeches, while Prof. Vijay Bhargava of University of British Columbia, Vancouver, will present the dinner speech. The program also includes a panel on "Challenges and Opportunities of Wireless Sensor Networks and Its Role in the GENI Effort" moderated by Dr. Guru Parulkar of the U.S. National Science Foundation. To foster technical discussions in an informal setting, the program includes poster sessions and provides researchers with ample opportunities to discuss their evolving ideas and gather feedback from the networking community. Finally, the program incorporates a number of selected industrial exhibitions and demonstrations.

Preliminary Call for Papers (MASS' 07)

The 4th International Conference on Mobile Ad Hoc and Sensor Systems MASS07
Pisa, Italy, October 8-11, 2007 <http://cnd.iit.cnr.it/mass2007>

Sponsored by

IEEE Computer Society, IEEE TC on Distributed Processing and TC on Simulation

Wireless multi-hop communication is envisioned in multiple scenarios where network nodes communicate via other network nodes: conferences, hospitals, battlefields, rescue operations, environment control, cars-to-cars, and monitoring scenarios. Wireless mesh networks have been applied as alternatives for providing Internet access in remote business and residential areas. Wireless sensor networks are being deployed for several industrial control processes and for monitoring environment. This conference aims to address multi-hop ad-hoc and sensor networks systems, covering topics ranging from technology issues up to the applications aspects. Original manuscripts that focus on the analytical modeling, protocol/algorithm design, and/or experimental studies of the following topics of interest are sought:

- * physical layer impact on higher level protocols
- * MAC protocols for ad-hoc and sensor networks (802.11, 802.15.4, UWB)
- * Provisioning of wireless QoS in terms of bandwidth and delay assurance
- * Routing protocols (unicast, multicast, broadcast, geocast) and routing metrics
- * Data transport in wireless ad hoc and sensor networks
- * Power-aware and energy-efficient design

- * Topology construction and coverage maintenance
- * Cross layer design and optimization
- * Incentives and game theoretic approaches in wireless ad-hoc networks
- * Localization and synchronization in wireless sensor networks
- * Data gathering, fusion, and dissemination in wireless sensor networks
- * Reliability, security, and trustworthiness issues in ad hoc and sensor networks
- * Operating system and middleware support
- * Measurements and practical experience from experimental systems and test-beds
- * Modeling, analysis and performance evaluation
- * Mesh networking
- * Delay tolerant networks and opportunistic networking
- * Handoff and mobility management and seamless internetworking
- * Peer-to-peer, overlay, and content distribution wireless ad hoc networks
- * Reliability, security, and trustworthiness issues in ad hoc and sensor networks

Paper submission

All submissions must be full papers in .pdf or .ps (PostScript) format. Papers must be uploaded to EDAS by March 31, 2007, and must not exceed 10 single-spaced, two-column pages using at least 11 point size fonts on 8.5 x 11 inch pages. Detailed submission instructions will be published in due time on the conference website <http://www.ieee-mass.org> together with format files.

Workshops

Proposals for full day workshops are solicited. Selections will be made considering the expertise and experience of the workshop organizers and the relevance of the topic to the central theme of the conference. Proposals of at most 4 pages, including a 1-page biographical sketch, should be submitted to the Workshops Chair by March 31, 2007.

Demos

Technical demonstration of experimental ad hoc networking and computing systems are solicited. To Instructions for submitting a demo proposal will be published in due time on the conference website.

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Important dates

Manuscript Submission Due: March 31, 2007
Acceptance Notification: June 30, 2007
Final Manuscript Due: August 10, 2007

ICDCS 2007

The 27th International Conference on Distributed Computing Systems

Toronto, Canada
June 25-29, 2007
<http://www.eecg.utoronto.ca/icdcs07/>

Sponsored by
The IEEE Computer Society Technical Committee on Distributed Processing

Important Dates

- * Paper Submission: November 20, 2006
- * Author Notification: March 1, 2007
- * Final Manuscript Due: April 2, 2007

ICDCS is an IEEE Computer Society sponsored premier conference with a wide coverage of topics in Distributed Computing. It has a long history of significant achievements and worldwide visibility. The conference provides a forum for engineers and scientists in academia, industry and government to present their latest research findings in any aspects of distributed and parallel computing.

Areas of Interest

- * Algorithms and Theory
- * Autonomic Computing
- * Data Management
- * Fault-Tolerance and Dependability
- * Internet Computing and Applications
- * Network Protocols
- * Operating Systems and Middleware
- * Parallel, Cluster and GRID Computing
- * Peer to Peer
- * Security
- * Sensor Networks and Ubiquitous Computing
- * Wireless and Mobile Computing

Workshops

Workshops will be held in conjunction with the conference. Workshop proposals should be submitted to Workshops Chair Ling Liu by August 15, 2006. Notification of acceptance will be made by October 1, 2006. More information

is available in the call for workshop proposals.

Paper Submission

Form of Manuscript: Not to exceed 25 double-spaced, 8.5 x 11-inch pages (including figures, tables and references) in 10-12 point font. Number each page. Include an abstract, five to ten keywords, the technical area(s) most relevant to your paper, and the corresponding author's e-mail address.

Electronic Submission: Submissions will be handled via the conference web page.

The proceedings of the conference and the workshops will be published by the IEEE Computer Society Press.

For further information, please contact the program chair.

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PerCom'07 New Announcement

Please note that the conference dates have changed to March 19-23, 2007. The paper submission deadline has been extended to October 23, 2006 for the work-in-progress reports.

IEEE PerCom 2007 will be the fifth annual conference on the emerging area of pervasive computing and communications aimed at providing an exciting platform and paradigm for all the time, everywhere services. The conference will be held in New York city March 19-23, 2007. Paper submission deadline is September 1, 2006, and the notification date is November 25, 2006.

For further information, please visit the following web site:

<http://www.cse.psu.edu/~hurson/percom2007/>.

2nd International Conference on Mobile Ad-hoc and Sensor Networks (MSN'06)

13-15 Dec 2006, Hong Kong, China

<http://www.comp.polyu.edu.hk/msn06>

Organized and supported by Hong Kong Polytechnic University

Recent News:

1 This year, MSN 2006 has attracted 254 submissions. Each paper was reviewed by at least two members of the Program Committee. The final program includes 73 papers, which cover a range of different topics, including routing, network protocols, security, etc.

2 We appreciate the support from the invited speakers, Mario Gerla, Jie Wu, and Taleb Znati.

IMPORTANT DATES

Important Dates:
Submission deadline: Extended to 23 June, 2006
Notification of acceptance: 20 Aug, 2006 *
Final Manuscript due: 5 Sept, 2006
Conference: 13 - 15 Dec. 2006

Following the success of the first conference MSN'05, held in Wuhan, China, MSN'06 provides a forum for researchers and practitioners to exchange research results and share development experiences. Topics of interest include, but are not limited to, the following areas in

mobile ad hoc and sensor networks:

- Network architecture and protocols
- Software platforms and development tools
- Self-organization and synchronization
- Routing and data dissemination
- Failure resilience and fault isolation
- Energy management
- Data, information, and signal processing
- Security and privacy
- Network planning, provisioning, and deployment
- Network modeling and performance evaluation
- Developments and applications
- Integration with other systems

PUBLICATION

The conference proceedings will be published in Springer's Lecture Notes in Computer Science (pending) and distributed at the conference. Selected papers of best quality will be published in a special issue at journal special issues.

BEST PAPER AWARDS

The program committee will select one winner for the Best Paper Award (all regular papers are eligible) and one winner for the Best Student Paper Award (only the regular papers whose first author is a full-time student are eligible). Each winner will be presented at the conference with a certificate and US\$100.

KEYNOTE SPEECHES:

MSN'06 will feature three keynote speeches. Speakers and topics will soon be announced.

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- Query processing, Middleware
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Join TCDP

The TCDP welcomes IEEE Computer Society members with an interest in distributed computing. There are many ways to participate in TCDP activities.

Please contact Dr. Jie Wu, TCDP chair, at jie@cse.fau.edu for more information.

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End of TCDP Newsletter, August 2006
