

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

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A list of major activities in 2005-2006 are the following:

1. Jie Wu was elected as the new TCDP chair (starting Nov. 2005)
2. A new website for TCDP has been established:
<http://tab.computer.org/tcdp/>
3. Various committees have been formed,
 - a. Advisory committee
 - b. Award committee (new)
 - c. Coordinators (Europe and Asia)
 - d. Treasurer & Secretary
 - e. Webmaster (new)
 - f. TCDP news flash coordinator (new)
4. TCDP sponsored three major conferences in the field by providing student travel support
 - a. IEEE International Conference on Distributed Computing Systems (ICDCS)
 - b. International Conference on Mobile Ad Hoc and Sensor Systems (MASS)
 - c. International Conference on Distributed Computing in Sensor Systems (DCOSS)
5. TCDP plans to support several TCDP-sponsored conferences/workshops for best paper awards

6. TCDP established the TCDP Annual Distinguished Achievement Awards (up to two winners) to recognize individuals who have made a major service/technical contribution to the distributed computing field. After an open call for nomination, the award committee selected two winners:

- a. Prof. Ming T. Liu, Ohio State University, and
- b. Prof. John A. Stankovic, University of Virginia.

7. TCDP will broadcast bi-monthly news flash to TCDP members. Please send news/events related to distributed computing to news flash coordinator Prof. Jiannong Cao(csjcao@comp.polyu.edu.hk).

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ICDCS 2006

The 26th International Conference on Distributed Computing Systems

Lisboa, Portugal
July 4-7, 2006

<http://icdcs2006.di.fc.ul.pt>

Sponsored by

The IEEE Computer Society Technical Committee on Distributed Processing

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. Topics of particular interest include, but are not limited to:

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

WORKSHOPS

Workshops will be held during the conference. Workshop proposals should be submitted to the Workshops Co-Chair Professor Ricardo Jimenez Peris (rjimenez@fi.upm.es) by July 30, 2006. Please see the conference web page for details.

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

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 at <http://icdcs2006.di.fc.ul.pt>.

IMPORTANT DATES

Paper Submission - November 15, 2005 *Deadline extended: November 22*
Author Notification - February 15, 2006
Final Manuscript Due - March 29, 2006

For Further Information, Please Contact:

ler@di.fc.ul.pt

ICDCS 2006 - Organizing and Program Committee

----- General Co-chairs:

Haruhisa Ichikawa
Global Computing Laboratory, Japan

Michel Raynal
IRISA, France

Program Co-chairs:

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Georgia Institute of Technology, USA

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Program vice chairs:

Algorithms and Theory
Philippas Tsigas
Chalmers University, Sweden

Autonomic Computing
Manish Parashar
Rutgers, The State University of New Jersey, USA

Data Management
Karl Aberer
EPFL, Switzerland

Fault-Tolerance and Dependability
Eliane Martins
UNICAMP, Brazil

Internet Computing and Applications
Ling Liu
Georgia Institute of Technology, USA

Network Protocols
Katherine Guo
Bell Labs, USA

Operating Systems and Middleware
Roy Friedman
Technion, Israel

Parallel, Cluster and GRID Computing
Tarek S. Abdelrahman
University of Toronto, Canada

Peer to Peer
Bobby Bhattacharjee
University of Maryland, USA

Security
Christian Cachin
IBM Zurich Research Laboratory, Switzerland

Sensor Networks and Ubiquitous Computing
Tarek Abdelzaher
University of Virginia, USA

Wireless and Mobile Computing
Arup Acharya
IBM Research, USA

(see web page for complete sub-committees)

Workshop Co-Chairs:
Makoto Takizawa
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Chita Das
Penn State University, USA

Steering Committee Chair:

Ming T. (Mike) Liu
Ohio State University, USA

CALL FOR DEMOS

IEEE Mobile Ad-hoc and Sensor Systems (MASS) 2006
October 9-12, 2006, Vancouver, Canada
<http://www.cse.fau.edu/mass2006/>

Sponsored by: IEEE, Air Force, and NSF

Technical demonstrations showing innovative and original research are solicited. In general this conference is interested in demonstrations of technology that validate important research issues or showcase realistic applications in mobile ad-hoc systems and sensor networks. Specific topics of interest include (but are not limited to) the following:

- * Network protocols for mobile ad-hoc/sensor networks
- * Operating system and middleware for mobile ad-hoc/sensor networks
- * Network testbed measurements and benchmarks
- * Distributed algorithms for energy/topology management, in mobile ad-hoc/sensor networks
- * Localization in time and space
- * Novel hardware and software platforms
- * Simulation and optimization tools
- * Security and robustness in mobile ad-hoc/sensor networks
- * Programming and validation methodology
- * Application of mobile ad-hoc/sensor networks in health care
- * Social and business impacts of mobile ad-hoc/sensor networks
- * Novel network architectures

All the demos that are selected will be included in the conference proceedings in the form of 4-page short papers. Please consult the technical co-chair, Jennifer Hou, at jhou@cs.uiuc.edu, if you are uncertain whether your demo falls within the scope of the conference.

DEMO SUBMISSION INSTRUCTIONS

Please send a one-page description of your demo to jhou@cs.uiuc.edu in plain text or PDF format by the dates listed below. Be as specific as possible in describing what you will show. (Plain text is preferred unless there are graphics.)

IMPORTANT DATES

One-page demo descriptions: July 1, 2006
Notification of acceptance: July 20, 2006
Camera-ready manuscript: August 10, 2006
Conference dates: October 9-12, 2006

The 2006 International Conference on Distributed Computing in Sensor Systems (DCOSS '06) will take place in San Francisco during June 18 - June 20, 2006. DCOSS '06 is intended to cover high-level aspects of distributed computing in sensor systems such as high-level abstractions, computational models, systematic design methodologies, algorithms, analysis and applications.

DCOSS '06 solicits posters that report on recent original results or ongoing research in the area of wireless sensor networks. Authors are encouraged to submit interesting results on all aspects of wireless sensor networks, including algorithms, systems and applications. Topics of interest include but are not limited to:

- * Computation and programming models
- * Energy models, minimization, awareness
- * Distributed algorithms for configuration and collaborative information processing
- * Theoretical performance analysis: complexity, correctness, scalability, efficiency, fault-tolerance
- * Abstractions for modular design
- * Languages, operating systems
- * Task allocation, reprogramming and reconfiguration
- * Dynamic resource management
- * Scalable, heterogeneous architectures (node and system-level)
- * Communication and processing primitives
- * Middleware interfaces
- * Design, simulation and optimization tools for deployment and operation
- * Design automation and application synthesis techniques
- * Case studies: lessons from real world deployments

Poster presentations will provide authors with early feedback on their research

work and enable them to exchange ideas during the Conference.

All posters will be reviewed and judged based on their originality, technical contribution and, particularly, their potential to generate interesting exchanges of ideas.

For detailed Information on Advance Program, Please visit
<http://www.dcross.org/dcross06/>

CALL FOR PAPERS

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

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

SUBMISSION GUIDELINES

MSN invites authors to submit original and unpublished work. Submissions should include an abstract, key words, the e-mail address of the corresponding author, and must not exceed 15 pages, including tables and figures, with PDF, PostScript, or MSWord format. Electronic submission through the submission website is strongly encouraged. Hard copies will be accepted only if electronic submission is not possible. Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors will register and attend the conference to present the work.

Questions concerning hardcopy submissions or any other issues may be directed to the Program Chair at msn06@comp.polyu.edu.hk.

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

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.

ORGANIZING AND PROGRAM COMMITTEES

----- Advisory Committees

Keith K.C. Chan, H.K. Polytechnic Univ., H.K.
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Lionel Ni, H.K. Univ. of Sci. & Tech., H.K.
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- Routing and broadcasting
Pedro M. Ruiz, University of Murcia, Spain

- Deployment, topology control, clustering,
Paolo Santi, Istituto di Informatica e Telematica del CNR, Italy

- Transport layer, session layer protocols
Soung-Chang Liew, Chinese University of Hong Kong, Hong Kong

- Data centric, tracking, and positioning protocols in sensor networks
Eric Fleury, INRIA, France

- Query processing, Middleware
Jingyuan(Alex) Zhang, University of Alabama, USA

- Security, privacy, and reliability
Zhen Jiang, West Chester University, USA

- Systems and applications
Yunhao Liu, Hong Kong University of Science and Technology, H.K.

Program Committee

Please see MSN™06 Website for the list of program committee members

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Makoto Takizawa, Tokyo Denki Univ., Japan

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TCDP Annual Distinguished Achievement Awards

TCDP has established TCDP Annual Distinguished Achievement Awards in two tracks: technical and service.

Nomination can suggest any individual (except award committee members) who has made a major contribution to the distributed computing field. The award committee will select one or two winners in June based on the guideline.

For nomination, please send the following materials to TCDP chair Jie Wu (jie@cse.fau.edu) by May 22:

1. A one-page nomination form.
2. An up-to-date vita of each nominee.

Nominations received after May 22 will be considered for the next year.

For Further Information, Please visit
<http://tab.computer.org/tcdp/awards.html>

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, June 2006
