ICON2004

CALL FOR PAPERS
IEEE INTERNATIONAL CONFERENCE ON NETWORKS
Tues, November 16 – Fri, November 19, 2004, Singapore

http://www.sp.edu.sg/icon2004

Organised by
Computer Chapter, IEEE Singapore
School of EEE, Singapore Polytechnic
Institute for Infocomm Research

In Cooperation with
National University of Singapore
Nanyang Technological University

Conference Theme: Unity in diversity

The IEEE International Conference on Networks (ICON2004) will be held in Singapore. Two days of tutorials/workshops and two days of technical presentations are planned for the conference. The conference will also include invited speakers, work-in-progress sessions and poster presentations. ICON2004 will provide a forum to discuss the innovations and recent advances in computer networks and communications. Contributions describing original research, surveys and applications are solicited. Topics of interest include, but are not limited to, the following areas:

- Application-layer protocols
- Flow and congestion control
- Multicasting
- Network architectures
- Network fault-tolerance, reliability, debugging and troubleshooting
- Network I/O and storage area networks
- Network issues for multimedia, web and gaming applications

- Network middleware
- Network pricing and billing
- Next generation networks
- Novel network services and applications
- Optical and photonics networks
- Peer-to-peer and overlay networking
- Policy based networking
- Privacy, security, DOS and defences
- Protocol design and implementation

- Quality of service
- Routing, switching and addressing
- Scheduling & resource management
- Tools and techniques for network simulation and measurement
- Traffic engineering and network management
- Wireless, mobile, ad hoc and sensor networks

PAPER SUBMISSION INSTRUCTIONS

Two categories of paper submissions – regular papers and work-in-progress reports – are invited. The latter will be presented in special 'work-in-progress' sessions for the sharing of provocative opinions, interesting preliminary work or ideas that will provoke discussion. We are particularly interested in presentations of student work for such sessions. Submissions should present original, unpublished research and be no longer than 5000 words. Submissions will be judged on originality, significance, interest, clarity, relevance and correctness.

Instructions on the submission of papers can be found in the conference website.

Submission of papers implies the authors' willingness to register at the conference and present the paper(s). An accepted paper will be published in the proceedings only if the final version is accompanied by the registration form(s) and fee(s) for at least one of the authors (only full member / non-member fees will be allowed).
Selected papers will be published in a special issue of the international data communications research journal 'Computer Communications'.

COQODS WORKSHOP

In conjunction with ICON2004, a workshop on COordinated Quality Of service in Distributed Systems (COQODS) will be held. The aim of this workshop is to provide a platform for the discussion of methods and frameworks to achieve coordinated QoS in distributed systems. More details on the workshop and its Call-For-Papers can be found on the conference website.

TUTORIAL PROPOSALS

Proposals for full- or half-day tutorial topics including but not restricted to these areas are solicited: network architecture, network security, overlay and peer-to-peer networking, ultra-wideband wireless networks, optical networks, network QoS – its present and future, networking for grid, sensor networks, model, methods and tools for network research, and mobile-commerce. Each proposal should be about 1000 words long and should include a synopsis, tutorial outline and brief speaker's biography. Please submit your proposals to the Tutorial Chair via email at **icon2004@sp.edu.sg** by May 15, 2004.

BEST PAPER AWARDS

Awards will be given for the best paper and the best student paper at the conference. To be eligible for the best student paper award, a student or group of students must be primary contributors to the paper. Papers to be considered for the student paper award should be identified as such during the paper submission.

ORGANISING COMMITTEE

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Tutorial Chair:
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IMPORTANT DATES

Tutorial Proposal due:	May 15, 2004
Full paper (Conference and Workshop) due:	May 15, 2004
Notification of acceptance:	July 15, 2004
Camera-ready paper due:	Sept 1, 2004
Tutorial :	November 16, 2004
Conference:	November 17-18, 2004
Workshop :	November 19, 2004

Technical Program Committee (Conference)

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