Call for Papers

Twenty-fourth Annual ACM SIGACT-SIGOPS Symposium on
PRINCIPLES OF DISTRIBUTED COMPUTING (PODC)

July 17–20, 2005, Las Vegas, Nevada, USA

http://www.podc.org/podc2005/

Important dates:

Submission deadline	**February 7, 2005**
Acceptance notification	**April 26, 2005**
Camera-ready copy due	**May 20, 2005**

How to submit:

Electronic submissions are strongly encouraged. Information on how to submit electronically will be available on the PODC web page.

Program Committee:

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SCOPE: PODC continues to broaden the conference, and solicits papers on all areas of distributed systems. We encourage submissions dealing with any aspect of distributed computing, including theory and practice, systems, design, specification, verification, implementation, application, and properties of distributed systems. The common goal is to shed light on the principles of distributed computing.

Topics of interest include, but are not limited to, the following subjects in distributed systems:

- Distributed algorithms, correctness, complexity, and applications
- Communication protocols
- Distributed computing issues in the Internet and the Web
- High-performance distributed computing and the computational grid
- Multiprocessor/cluster architectures, algorithms, and practice
- Transport and application layer protocols, routing, scheduling, resource allocation
- Algorithmic mechanism design
- Networking: architecture, design, control, services, and applications
- Mobile agents
- Specification, semantics, and verification
- Distributed middleware platforms, operating systems, and databases
- Cryptographic and security protocols, security of distributed systems
- Fault tolerance, availability, and self stabilization
- Mobile computing, ad hoc and sensor networks
- Shared memory
- Synchronization: hardware, software, algorithms, architecture, and practice
- Distributed data management and search
- P2P computing and overlay networks
- Internet algorithms and data structures
- Location-aware distributed computing

SUBMISSIONS FORMAT: All submissions must be in Postscript or PDF format. On the cover page, include (1) contact person's name, phone, fax, email and complete postal mail address, (2) title of paper, (3) names and affiliations of all authors, (4) a brief abstract, (5) keywords, and (6) the number of pages. In addition, please indicate in boldface whether any author is a member of the program committee, and, for a regular presentation, whether it is eligible for the best student paper award (see details below), and whether it should be considered a brief announcement (if not accepted as a regular presentation).

All submissions must report on original research. A submission for a ***regular presentation*** must be no longer than 10 pages on letter-size paper using at least 11-point font. Additional details may be included in a clearly marked appendix, which will be read at the discretion of the program committee. Papers submitted for regular presentations must not have previously appeared in a journal or conference with published proceedings and must not be concurrently submitted to any other conference. Any *partial* overlap with any such published or concurrently submitted paper must be clearly indicated. A submission for a ***brief announcement*** must be no longer than 3 pages on letter-size paper using at least 11-point font. Such submissions may describe work in progress or work presented elsewhere. If requested by the authors, a submission that is not selected for regular presentation may also be considered for a brief announcement. Such a request will *not* affect consideration of the paper for regular presentation. ***Posters and demonstrations*** are also solicited; details will appear on the PODC web page.

PODC AND SPAA: PODC 2005 is colocated with the 17th ACM Symposium on Parallelism in Algorithms and Architectures. Joint submissions to both conferences are not permitted.

BEST STUDENT PAPER AWARD: A prize will be given to the best student paper. A paper is eligible if at least one author is a full-time student at the time of submission, and the contribution of the student is significant. This must be noted on the cover page. The program committee may decline to make the award or may split it.

Rev 0.04, October 18, 2004