CALL FOR PAPERS

Fifth Annual Workshop on I/O in Parallel and Distributed Systems

November 17, 1997, San Jose, CA, USA

Co-located with **SC97: High Performance Networking and Computing**

Current Sponsors: ACM SIGACT, SIGARCH, SIGMETRICS, and SIGOPS,
and in cooperation with ACM SIGPLAN

IOPADS brings together researchers in all aspects of storage-related I/O in parallel and distributed systems, including algorithms, applications, architecture, and systems software. It is our opinion that the research problems are most effectively addressed by investigating all these areas rather than working in each area in isolation. Although I/O-related papers appear in many other conferences, the value of IOPADS is in gathering interested researchers from all these areas of computer science, encouraging cross-disciplinary interaction.

IOPADS '96 was held in conjunction with the FCRC group of conferences and was a huge success. IOPADS '97 will be co-located with SC97 (the 1997 entry in the former "Supercomputing 'XY" series).

We expect that ACM Press will again publish the IOPADS proceedings, which will be provided to all registrants and will be available for sale at SC97 and afterwards.

We invite you to submit papers that focus on storage-related I/O in high-performance parallel and distributed systems, in the context of parallel or distributed applications. Suggested topics include:

- Experimental characterization of I/O demand
- Design and implementation of I/O-intensive applications
- Theory and implementation of parallel-I/O algorithms
- Devices, including disk arrays and tape robots
- Interconnect issues, e.g., network-attached storage devices
- Language and compiler support
- Run-time libraries
- Real-time and multimedia I/O
- Database systems
- File systems

Papers submitted to IOPADS must be unpublished and must not be submitted for publication elsewhere. The manuscript should be written in English, at most twelve pages long (including figures, tables, and excluding references), single- or double-spaced, using an 11-point font. Electronic submission (of PostScript) is required (details will be posted; check the web page). All submissions must arrive by 6 p.m. Eastern Time on March 25, 1997. Decisions will be announced by June 1, 1997.

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For updates and more information, see `http://www.cs.dartmouth.edu/iopads`.
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