FCRC '96

CALL FOR PARTICIPATION

IOPADS

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

in conjunction with the

ACM 1996 Federated Computing Research Conference

May 27, 1996, Philadelphia, PA

Sponsored by ACM SIGACT, SIGARCH, SIGOPS, and IEEE TCOS. In cooperation with ACM SIGMETRICS.

In 1996, its fourth year, IOPADS graduates from an informal workshop held in conjunction with IPPS, to a format more like a symposium to be co-located with many others at FCRC '96. The thrust of IOPADS has always been to bring together researchers in all aspects of parallel I/O, which we broadly place into five categories: architecture, algorithms, applications, file and operating systems, and compilers and runtime systems. It is our opinion that the problems of parallel I/O 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, rather than working in each area in isolation.

Program: Through ACM Press, IOPADS will publish a formal proceedings, which will be provided to all registrants and will be available for sale at FCRC and afterwards. The proceedings include eleven excellent papers:

- *Tuning the Performance of I/O Intensive Parallel Applications*, A. Acharya, M. Uysal, R. Bennett, A. Mendelson, M. Beynon, J. K. Hollingsworth, J. Saltz, A. Sussman
- *Bounds on the Separation of Two Parallel Disk Models*, C. Armen
- *Scalable Message Passing in Panda*, Y. Chen, M. Winslett, K. E. Seamons, S. Kuo, Y. Cho, M. Subramanyam
- *HFS: A Performance-Oriented Flexible File System Based on Building-Block Compositions*, O. Krieger, M. Stumm
- *Efficient Data-Parallel Files via Automatic Mode Detection*, J. A. Moore, P. J. Hatcher, M. J. Quinn
- *Performance of the Galley Parallel File System*, N. Nieuwejaar, D. Kotz
- *ENWRICH: A Compute-Processor Write Caching Scheme for Parallel File Systems*, A. Purakayastha, C. S. Ellis, D. Kotz
- *Evaluating Approximately Balanced Parity-Declustered Data Layouts for Disk Arrays*, E. J. Schwabe, I. M. Sutherland, B. K. Holmer
- *Prefetching in Segmented Disk Cache for Multi-Disk Systems*, V. V. Soloviev
- *The Design and Implementation of SOLAR, a Portable library for Scalable Out-of-Core Linear Algebra Computations*, F. G. Gustavson, S. Toledo
- *Structured Permuting in Place on Parallel Disk Systems*, L. F. Wisniewski

FCRC is the Federated Computing Research Conference, which was last held in 1993. In 1996, FCRC will include many exciting conferences and workshops under one roof: ICS, IOPADS, ISCA, PADS, PLDI, PODC, SIGMETRICS, STOC, WOPA, Workshop on Academic Careers for Women, Symposium on Computational Geometry, Conference on Computational Complexity, Symposium on Networks and Information Management, Symposium on Parallel and Distributed Tools, and Conference on Functional Programming.

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

For general inquiries, send electronic mail to `iopads@cs.dartmouth.edu`.