JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING

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DESCRIPTION

This international journal is directed to researchers, engineers, educators, managers, programmers, and users of computers who have particular interests in parallel processing and/or distributed computing.

The Journal of Parallel and Distributed Computing publishes original research papers and timely review articles on the theory, design, evaluation, and use of parallel and/or distributed computing systems. The journal also features special issues on these topics; again covering the full range from the design to the use of our targeted systems.

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- Theory of parallel/distributed computing
- Parallel algorithms and their implementation
- Innovative computer architectures
- Shared-memory multiprocessors
- Peer-to-peer systems
- Distributed sensor networks
- Pervasive computing
- Optical computing
- Software tools and environments
- Languages, compilers, and operating systems
- Fault-tolerant computing
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- Bioinformatics
- Cyber trust and security
- Parallel programming
- Grid computing

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GUIDE FOR AUTHORS

The Journal of Parallel and Distributed Computing (JPDC) is directed to researchers, scientists, engineers, educators, managers, programmers, and users of computers who have particular interests in parallel processing and/or distributed computing. The goal of the journal is to publish in a timely manner original research, critical review articles, and relevant survey papers on the theory, design, implementation, evaluation, programming, and applications of parallel and/or distributed computing systems. The journal provides an effective forum for communication among researchers and practitioners from various scientific areas working in a wide variety of problem areas, sharing a fundamental common interest in improving the ability of parallel and distributed computer systems to solve increasing numbers of difficult and complex problems as quickly and as efficiently as possible.

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- Parallel algorithms and their implementation
- Innovative computer architectures
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- Distributed sensor networks
- Pervasive computing
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