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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
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