DESCRIPTION

_Performance Evaluation_ is a leading journal in the area of modeling, measurement, and evaluation of performance aspects of computing and communication systems. As such, it aims to present a balanced and complete view of the entire field of performance evaluation. The journal audience encompasses academics, industrial researchers, and professional figures such as performance engineers, network managers, and computer system designers.

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- Define new performance evaluation tools, including measurement and monitoring tools as well as modeling and analytic techniques
- Provide new insights into the performance of computing and communication systems
- Present novel control and learning methods for performance management
- Introduce new application areas where performance evaluation tools and methods can play an important role

Contributions to the journal often focus on theoretical, methodological, or applied aspects of: Resource allocation (e.g., routing and flow control, bandwidth allocation, load-balancing, deployment,...), System tuning, sizing and optimal configuration, System reliability and dependability, Energy efficiency and energy harvesting, System architecture design and implementation.

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AUDIENCE

System Designers, Implementors, Theoricians and Analysts concerned with performance aspects of computers, computer communications, telecommunications and distributed systems.

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INTRODUCTION
Topics are drawn from, but are not restricted to, the following areas:

- Performance studies of computers, computer communications, telecommunications and distributed systems
- Resource allocation and control methods and algorithms (e.g. routing and flow control in networks, bandwidth allocation, processor scheduling, memory management)
- System reliability
- Modeling and analysis methods (e.g. queueing and scheduling theory, simulation methods, data analysis)
- Measurement techniques (e.g. software and hardware monitors) and workload characterization
- System architecture, design and implementation discussed from a performance viewpoint
- Performance evaluation applications (e.g. system tuning, procurement, capacity planning)
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