

图书基本信息

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内容概要

This book constitutes the refereed proceedings of the 10th International Conference on Principles of Distributed Systems, OPODIS 2006, held at Bordeaux, France, in December 2006. The 28 revised full papers presented together with 2 invited talks were carefully reviewed and selected from more than 230 submissions. The papers address all current issues in theory, specification, design and implementation of distributed and embedded systems.

书籍目录

Lazy and Speculative Execution in Computer Systems
In Search of the Holy Grail: Looking for the Weakest Failure Detector for Wait-Free Set Agreement
A Topological Treatment of Early-Deciding Set-Agreement
Renaming with c -Set-Consensus: An Optimal Algorithm into $n + k - 1$ Slots
When Consensus Meets Self-stabilization
On the Cost of Uniform Protocols Whose Memory Consumption Is Adaptive to Interval Contention
Optimistic Algorithms for Partial Database Replication
Optimal Clock Synchronization Revisited: Upper and Lower Bounds in Real-Time Systems
Distributed Priority Inheritance for Real-Time and Embedded Systems
Safe Termination Detection in an Asynchronous Distributed System When Processes May Crash and Recover
Lock-Free Dynamically Resizable Arrays
Distributed Spanner Construction in Doubling Metric Spaces
Verification Techniques for Distributed Algorithms
Mobile Agent Algorithms Versus Message Passing Algorithms
Incremental Construction of k -Dominating Sets in Wireless Sensor Networks
Of Malicious Motes and Suspicious Sensors: On the Efficiency of Malicious Interference in Wireless Networks
EMPIRE OF COLONIES: Self-stabilizing and Self-organizing Distributed Algorithms
GLANCE: A Lightweight Querying Service for Wireless Sensor Networks
On Many-to-Many Communication in Packet Radio Networks
Robust Random Number Generation for Peer-to-Peer Systems
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