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Altri autori (Persone)	ShvartsmanAlexander A
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Soggetti	Computer systems Computer networks Software engineering Computer programming Operating systems (Computers) Computers, Special purpose Computer System Implementation Computer Communication Networks Software Engineering Programming Techniques Operating Systems Special Purpose and Application-Based Systems
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	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 k-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 -- About the Lifespan of Peer to Peer Networks -- Incentive-Based Robust Reputation Mechanism for P2P Services -- Searching for Black-Hole Faults in a Network Using Multiple Agents -- Gathering Asynchronous Mobile Robots with Inaccurate Compasses -- Gathering Few Fat Mobile Robots in the Plane -- Hop Chains: Secure Routing and the Establishment of Distinct Identities -- Computing on a PartiallyEponymous Ring -- Self-stabilizing Leader Election in Networks of Finite-State Anonymous Agents -- Robust Self-stabilizing Clustering Algorithm -- Self-stabilizing Wireless Connected Overlays.

Sommario/riassunto

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 two invited talks address all current issues in theory, specification, design and implementation of distributed and embedded systems.
