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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote Talk I -- Scalable Group Rekeying for Secure Multicast: A Survey -- Session I: Distributed Algorithms -- A Note on Modalities for Nonconjunctive Global Predicates -- A Synchronous Self-stabilizing Minimal Domination Protocol in an Arbitrary Network Graph --

Decomposable Algorithms for Computing Minimum Spanning Tree -- Clock Synchronization Algorithms and Scheduling Issues -- Estimating Checkpointing, Rollback and Recovery Overheads -- Session II: Internetworking and Web -- Analysis of BGP Update Surge during Slammer Worm Attack -- TMS: A Scalable Transition Multicast Scheme -- User Relevancy Improvisation Protocol -- Characterizing Web Workloads -- A Transaction-Oriented View -- A. K. Choudhury Memorial Lecture -- Internet Auctions: Some Issues and Problems -- Session III: Parallel and Distributed Systems -- Transaction Management in Distributed Scheduling Environment for High Performance Database Applications -- Gridscape: A Tool for the Creation of Interactive and Dynamic Grid Testbed Web Portals -- Agent-Based Fair Load Distribution in Linux Web Server Cluster -- Session IV: Wireless and Mobile Networking -- Location Management by Movement Prediction Using Mobility Patterns and Regional Route Maps -- Towards "Always-Connected" Wireless Network: A Framework of Infrastructureless Networks -- Multi-path Transmission Algorithm for End-to-End Seamless Handover across Heterogeneous Wireless Access Networks -- Global Mobility Management: A Three Level Architecture for Next Generation Wireless Networks -- Distributed Certified E-mail System for Mobile Users -- Keynote Talk II -- Models of Self-Stabilization and Sensor Networks -- Session V: Ad hoc and Sensor Networks -- Performance of a Collaborative Target Detection Scheme for Wireless Sensor Networks -- Improving End-to-End Delay through Load Balancing with Multipath Routing in Ad Hoc Wireless Networks Using Directional Antenna -- A Power-Efficient MAC Protocol with Two-Level Transmit Power Control in Ad Hoc Network Using Directional Antenna -- Achieving Routing Based Medium Access Fairness in Wireless Ad-Hoc Networks -- Various Distributed Shortest Path Routing Strategies for Wireless Ad Hoc Networks -- Invited Talk I -- Secure Mobile Computing -- Session VI: Learning and Optimization -- Towards Privacy Preserving Distributed Association Rule Mining -- Performance Improvement of the Contract Net Protocol Using Instance Based Learning -- A Hybrid Model for Optimising Distributed Data Mining -- Local Decision Procedures for Avoiding the Tragedy of Commons -- Tuning the Quality Parameters of a Firewall to Maximize Net Benefit -- Invited Talk II -- Load Sharing in a Transcoding Cluster -- Session VII: Optical Networking -- A Token Based Distributed Algorithm for Medium Access in an Optical Ring Network -- An Efficient Technique for Dynamic Lightpath Establishment in Survivable Local/Metro WDM Optical Networks -- Algorithms for Provisioning Survivable Multicast Sessions against Link Failures in Mesh Networks -- A New Protection Model to Provide Availability-Guaranteed Service for Reliable Optical WDM Networks -- Distributed Connection Control Protocols in All-Optical WDM Networks.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Workshop on Distributed Computing, IWDC 2003, held in Kolkata, India in December 2003. The 32 revised full papers presented together with five invited papers were carefully reviewed and selected from a total of 105 submissions. The papers are organized in topical sections on distributed algorithms, internetworking and web, parallel and distributed systems, wireless and mobile networking, ad-hoc and sensor networks, learning and optimization, and optical networking.
