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Nota di contenuto	The 2010 Edsger W. Dijkstra Prize in Distributed Computing -- The 2010 Edsger W. Dijkstra Prize in Distributed Computing -- Invited Lecture I: Consensus (Session 1a) -- The Power of Abstraction -- Fast Asynchronous Consensus with Optimal Resilience -- Transactions (Session 1b) -- Transactions as the Foundation of a Memory Consistency Model -- The Cost of Privatization -- A Scalable Lock-Free Universal Construction with Best Effort Transactional Hardware -- Window-Based Greedy Contention Management for Transactional Memory -- Shared Memory Services and Concurrency (Session 1c) -- Scalable Flat-Combining Based Synchronous Queues -- Fast Randomized Test-and-Set and Renaming -- Concurrent Computing and Shellable Complexes -- Brief Announcements I (Session 1d) -- Brief Announcement: Hybrid Time-Based Transactional Memory -- Brief

Announcement: Quasi-Linearizability: Relaxed Consistency for Improved Concurrency -- Brief Announcement: Fast Local-Spin Abortable Mutual Exclusion with Bounded Space -- Wireless Networks (Session 1e) -- What Is the Use of Collision Detection (in Wireless Networks)? -- Deploying Wireless Networks with Beeps -- Distributed Contention Resolution in Wireless Networks -- A Jamming-Resistant MAC Protocol for Multi-Hop Wireless Networks -- Brief Announcements II (Session 1f) -- Brief Announcement: Simple Gradecast Based Algorithms -- Brief Announcement: Decentralized Network Bandwidth Prediction -- Brief Announcement: Synchronous Las Vegas URMT Iff Asynchronous Monte Carlo URMT -- Invited Lecture II: Best Student Paper (Session 2a) -- Foundations of Speculative Distributed Computing -- Anonymous Asynchronous Systems: The Case of Failure Detectors -- Consensus and Leader Election (Session 2b) -- The Computational Structure of Progress Conditions -- Scalable Quantum Consensus for Crash Failures -- How Much Memory Is Needed for Leader Election -- Leader Election Problem versus Pattern Formation Problem -- Mobile Agents (Session 2c) -- Rendezvous of Mobile Agents in Directed Graphs -- Almost Optimal Asynchronous Rendezvous in Infinite Multidimensional Grids -- Exclusive Perpetual Ring Exploration without Chirality -- Drawing Maps with Advice -- Invited Lecture III: Wireless Networks (Session 3a) -- Network-Aware Distributed Algorithms: Challenges and Opportunities in Wireless Networks -- Connectivity Problem in Wireless Networks -- Computing in Wireless and Mobile Networks (Session 3b) -- Trusted Computing for Fault-Prone Wireless Networks -- Opportunistic Information Dissemination in Mobile Ad-hoc Networks: The Profit of Global Synchrony -- Brief Announcements III (Session 3c) -- Brief Announcement: Failure Detectors Encapsulate Fairness -- Brief Announcement: Automated Support for the Design and Validation of Fault Tolerant Parameterized Systems - A Case Study -- Brief Announcement: On Reversible and Irreversible Conversions -- Brief Announcement: A Decentralized Algorithm for Distributed Trigger Counting -- Brief Announcement: Flash-Log – A High Throughput Log -- Brief Announcement: New Bounds for Partially Synchronous Set Agreement -- Modeling Issues and Adversity (Session 3d) -- It's on Me! The Benefit of Altruism in BAR Environments -- Beyond Lamport's Happened-Before: On the Role of Time Bounds in Synchronous Systems -- On the Power of Non-spoofing Adversaries -- Implementing Fault-Tolerant Services Using State Machines: Beyond Replication -- Self-stabilizing and Graph Algorithms (Session 3e) -- Low Communication Self-stabilization through Randomization -- Fast Self-stabilizing Minimum Spanning Tree Construction -- The Impact of Topology on Byzantine Containment in Stabilization -- Minimum Dominating Set Approximation in Graphs of Bounded Arboricity -- Brief Announcements IV (Session 3f) -- Brief Announcement: Sharing Memory in a Self-stabilizing Manner -- Brief Announcement: Stabilizing Consensus with the Power of Two Choices.
