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Nota di contenuto	Fast Rendezvous on a Cycle by Agents with Different Speeds -- Iterative Byzantine Vector Consensus in Incomplete Graphs -- Mutual Exclusion Algorithms in the Shared Queue Model -- On the Signaling Problem -- Optimization of Execution Time under Power Consumption Constraints in a Heterogeneous Parallel System with GPUs and CPUs -- Multicore Parallelization of the PTAS Dynamic Program for the Bin-Packing Problem -- Energy Accounting and Control with SLURM Resource and Job Management System -- Asynchronous Reconfiguration for Paxos State Machines -- A Causal Checkpointing Algorithm for Mobile Computing Environments -- Gathering and

Exclusive Searching on Rings under Minimal Assumptions -- Online Algorithms to Generate Slices for Regular Temporal Logic Predicates -- HiperTM: High Performance, Fault-Tolerant Transactional Memory -- Non-interference and Local Correctness in Transactional Memory -- A TimeStamp Based Multi-version STM Algorithm -- Optimized OR-Sets without Ordering Constraints -- Quorums Quicken Queries: Efficient Asynchronous Secure Multiparty Computation -- Conscious and Unconscious Counting on Anonymous Dynamic Networks -- On Probabilistic Snap-Stabilization -- Backward-Compatible Cooperation of Heterogeneous P2P Systems -- Towards a Peer-to-Peer Bandwidth Marketplace -- A Fault Tolerant Parallel Computing Scheme of Scalar Multiplication for Wireless Sensor Networks -- Conflict Resolution in Heterogeneous Co-allied MANET: A Formal Approach -- Batch Method for Efficient Resource Sharing in Real-Time Multi-GPU Systems -- Impairment-Aware Dynamic Routing and Wavelength Assignment in Translucent Optical WDM Networks -- Mobility Aware Charge Scheduling of Electric Vehicles for Imbalance Reduction in Smart Grid -- Effective Scheduling to Tame Wireless Multi-Hop Forwarding -- Dynamic Gateway Selection for Load Balancing in LTE Networks -- Exploiting Scalable Video Coding for Content Aware Downlink Video Delivery over LTE -- Stochastic Model for Cognitive Radio Networks under Jamming Attacks and Honeypot-Based Prevention -- InterCloud RAIDer: A Do-It-Yourself Multi-cloud Private Data Backup System -- Improved Heterogeneous Human Walk Mobility Model with Hub and Gateway Identification -- FlowMaster: Early Eviction of Dead Flow on SDN Switches -- A Simple Lightweight Encryption Scheme for Wireless Sensor Networks -- Analyzing the Network Connectivity Probability of a Linear VANET in Nakagami Fading Channels -- Max-Min-Path Energy-Efficient Routing Algorithm – A Novel Approach to Enhance Network Lifetime of MANETs -- Towards a New Internetworking Architecture: A New Deployment Approach for Information Centric Networks -- Energy-Efficient Multimedia Communication for Cognitive Radio Networks -- Stabilizing Dining with Failure Locality 1 -- Machine Learning in a Policy Driven Grid Environment -- Not So Synchronous RPC: RPC with Silent Synchrony Switch for Avoiding Repeated Marshalling of Data.

Sommario/riassunto

This book constitutes the proceedings of the 15th International Conference on Distributed Computing and Networking, ICDCN 2014, held in Coimbatore, India, in January 2014. The 32 full papers and 8 short papers presented in this volume were carefully reviewed and selected from 110 submissions. They are organized in topical sections named: mutual exclusion, agreement and consensus; parallel and multi-core computing; distributed algorithms; transactional memory; P2P and distributed networks; resource sharing and scheduling; cellular and cognitive radio networks and backbone networks.
