

1. Record Nr.	UNINA9910484565103321
Titolo	Distributed Computing and Networking : 15th International Conference, ICDCN 2014, Coimbatore, India, January 4-7, 2014, Proceedings // edited by Mainak Chatterjee, Jian-nong Cao, Kishore Kothapalli, Sergio Rajsbaum
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
ISBN	3-642-45249-3
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XVIII, 552 p. 147 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 8314
Disciplina	004.6
Soggetti	Computer networks Computer programming Software engineering Data protection Algorithms Application software Computer Communication Networks Programming Techniques Software Engineering Data and Information Security Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
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.
