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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5340
Disciplina	004.36
Soggetti	Computer networks Computer programming Computers, Special purpose Computer science Algorithms Electronic data processing—Management Computer Communication Networks Programming Techniques Special Purpose and Application-Based Systems Theory of Computation IT Operations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Talks -- Keynote: Primitives for Physical Trust -- Keynote: Trustworthy Services and the Biological Analogy -- Keynote: Distributed Algorithms and VLSI -- MAC Layer Protocols -- A Distributed and Deterministic TDMA Algorithm for Write-All-With-Collision Model -- Distance-2 Self-stabilizing Algorithm for a b-Coloring of Graphs -- Wireless Networks I -- Duty Cycle Stabilization in Semi-mobile Wireless Networks -- DISH: Distributed Self-Healing -- Universe Detectors for Sybil Defense in Ad Hoc Wireless Networks -- Stabilizing Algorithms I -- Self-stabilizing Numerical Iterative Computation -- A Self-stabilizing -Approximation Algorithm for the Maximum Matching

Problem -- Self-Stabilizing Leader Election in Optimal Space -- Stabilizing Algorithms II -- Tiara: A Self-stabilizing Deterministic Skip List -- Local Synchronization on Oriented Rings -- Stabilization of Max-Min Fair Networks without Per-flow State -- Wireless Networks II -- Convergence Time Analysis of Self-stabilizing Algorithms in Wireless Sensor Networks with Unreliable Links -- Self-stabilizing Mobile Robot Formations with Virtual Nodes -- An Application of Specification-Based Design of Self-stabilization to Tracking in Wireless Sensor Networks -- Security and System Models -- Our Brothers' Keepers: Secure Routing with High Performance -- Pharewell to Phishing -- The Asynchronous Bounded-Cycle Model -- Tutorial Abstract -- Tutorial Abstract Virtual Infrastructure.

Sommario/riassunto

This book constitutes the refereed proceedings of the 10th International Symposium on Stabilization, Safety, and Security of Distributed Systems, SSS 2008, held in Detroit, MI, USA, in November 2008. The 17 revised full papers presented together with the abstracts of 3 invited lectures were carefully reviewed and selected from 43 submissions. The papers address all safety and security-related aspects of self-stabilizing systems in various areas of distributed computing including peer-to-peer networks, wireless sensor networks, mobile ad-hoc networks, and robotic networks. The papers are organized in topical sections on MAC layer protocols, wireless networks, stabilizing algorithms, as well as security and system models.
