

1. Record Nr.	UNINA9910629277003321
Titolo	Stabilization, Safety, and Security of Distributed Systems : 24th International Symposium, SSS 2022, Clermont-Ferrand, France, November 15–17, 2022, Proceedings / / edited by Stéphane Devismes, Franck Petit, Karine Altisen, Giuseppe Antonio Di Luna, Antonio Fernandez Anta
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031210174 3031210174
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (378 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13751
Disciplina	929.605 005.14
Soggetti	Computer networks Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Plateau: A Secure and Scalable Overlay Network for Large Distributed Trust Applications -- The Limits of Helping in Non-Volatile Memory Data Structures Treasure Hunt in Graph using Pebbles -- Blockchain in Dynamic Networks -- Improving the Efficiency of Report and Trace Ring Signatures -- Flexible Scheduling of Transactional Memory on Trees -- Invited Paper: Simple, strict, proper, happy: A study of reachability in temporal graphs -- Brief Announcement: Dynamic graph models for the Bitcoin P2P network: simulation analysis for expansion and flooding time -- Brief Announcement: Self Masking for Hardening Inversions -- Perpetual Torus Exploration by Myopic Luminous Robots -- Optimal Algorithms for Synchronous Byzantine k-Set Agreement -- Reaching Consensus in the Presence of Contention-Related Crash Failures -- Self-stabilizing Byzantine Fault-tolerant Repeated Reliable Broadcast -- Capacity Planning for Dependable Services -- Lower bound for constant-size local certification -- Collaborative Dispersion by Silent Robots -- Time Optimal Gathering of Myopic Robots on an Infinite Triangular Grid -- Brief Announcement: Lattice Linear Algorithms --

Brief Announcement: Distributed Reconfiguration of Spanning Trees --
Brief Announcement: Mutually-visible Uniform Circle Formation by
Asynchronous Mobile Robots on Grid Plane -- Brief Announcement:
Self-stabilizing Total-order Broadcast -- Brief Announcement: Secure
And Efficient Participant Authentication — Application to Mobile E-
voting -- Card-Based ZKP Protocol for Nurimisaki -- Invited Paper: One
Bit Agent Memory is Enough for Snap-stabilizing Perpetual Exploration
of Cactus Graphs with Distinguishable Cycles Consensus on Demand --
Better Incentives for Proof-of-Work -- Invited Paper: Towards Practical
Atomic Distributed Shared Memory: An Experimental Evaluation --
Invited Paper: Cross-Chain State Machine Replication.

Sommario/riassunto

This book constitutes the proceedings of 24th International Symposium, SSS 2022, which took place in Clermont-Ferrand, France, in November 2022. The 17 regular papers together with 4 invited papers and 7 brief announcements, included in this volume were carefully reviewed and selected from 58 submissions. The SSS 2022 focus on systems built such that they are able to provide on their own guarantees on their structure, performance, and/or security in the face of an adverse environment. The Symposium presents three tracks reflecting major trends related to the conference: (i) Self-stabilizing Systems: Theory and Practice, (ii) Concurrent and Distributed Computing: Foundations, Faulttolerance, and Security, and (iii) Dynamic, Mobile, and Nature-Inspired Computing.
