

1. Record Nr.	UNISA996465489903316
Titolo	Distributed Algorithms [[electronic resource]] : 6th International Workshop, WDAG '92, Haifa, Israel, November 2-4, 1992. Proceedings / / edited by Adrian Segall, Shmuel Zaks
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1992
ISBN	3-540-47484-6
Edizione	[1st ed. 1992.]
Descrizione fisica	1 online resource (X, 382 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 647
Disciplina	004/.36/015118
Soggetti	Computers Computer programming Algorithms Computer communication systems Operating systems (Computers) Theory of Computation Computation by Abstract Devices Programming Techniques Algorithm Analysis and Problem Complexity Computer Communication Networks Operating Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Sparsen: A paradigm for running distributed algorithms -- Closed schedulers: Constructions and applications to consensus protocols -- Efficient atomic snapshots using lattice agreement -- Choice coordination with multiple alternatives (preliminary version) -- Some results on the impossibility, universality, and decidability of consensus -- Wait-free test-and-set -- A concurrent time-stamp scheme which is linear in time and space -- Tentative and definite distributed computations: An optimistic approach to network synchronization -- Semisynchrony and real time -- Optimal time Byzantine agreement for t /8 with linear messages -- A continuum of failure models for distributed computing -- Simulating crash failures with many faulty

processors (extended abstract) -- An efficient topology update protocol for dynamic networks -- Memory adaptive self-stabilizing protocols (extended abstract) -- Optimal early stopping in distributed consensus -- Traffic-light scheduling on the grid -- Distributed computing on anonymous hypercubes with faulty components -- Message terminate algorithms for anonymous rings of unknown size -- Distributed resource allocation algorithms -- Membership algorithms for multicast communication groups -- The granularity of waiting (extended Abstract) -- The cost of order in asynchronous systems -- Efficient, strongly consistent implementations of shared memory -- Optimal primary-backup protocols.

Sommario/riassunto

This volume presents the proceedings of the Sixth Workshop on Distributed Algorithms (WDAG 92), held in Haifa, Israel, November 2-4, 1992. WDAG provides a forum for researchers and other parties interested in distributed algorithms and their applications. The aim is to present recent research results, explore directions for future research, and identify common fundamental techniques that serve as building blocks in many distributed algorithms. Papers in the volume describe original results in all areas of distributed algorithms and their applications, including distributed graph algorithms, distributed combinatorial algorithms, design of network protocols, routing and flow control, communication complexity, fault-tolerant distributed algorithms, distributed data structures, distributed database techniques, replica control protocols, distributed optimization algorithms, mechanisms for safety and security in distributed systems, and protocols for real-time distributed systems.
