1.	Record Nr.	UNISA996466078903316
	Titolo	Algorithms and Computation [[electronic resource]] : 8th International Symposium, ISAAC'97, Singapore, December 17-19, 1997, Proceedings. / / edited by Hon Wai Leong, Hiroshi Imai, Sanjay Jain
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997
	ISBN	3-540-69662-8
	Edizione	[1st ed. 1997.]
	Descrizione fisica	1 online resource (XVII, 435 p.)
	Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1350
	Disciplina	004.0151
	Soggetti	Computers
		Algorithms
		Computer science—Mathematics
		Computer mathematics
		Numerical analysis
		Theory of Computation
		Algorithm Analysis and Problem Complexity
		Discrete Mathematics in Computer Science
		Computation by Abstract Devices
		Computational Mathematics and Numerical Analysis
		Numeric Computing
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Solving NP-hard combinatorial problems in the practical sense Invited presentation -- Airline crew-scheduling problem with many irregular flights -- Practical approach to a facility location problem for large-scale logistics -- Hard instance generation for SAT -- Playing tetris on meshes and multi-dimensional Shearsort -- Formulation of the addition-shift-sequence problem and its complexity -- Weighted and unweighted selection algorithms for k sorted sequences -- An adaptive distributed fault-tolerant routing algorithm for the star graph -- Multi-color routing in the undirected hypercube -- Competitive source routing on tori and meshes -- Algorithms for enumerating all perfect, maximum and maximal matchings in bipartite graphs -- Augmenting

edge and vertex connectivities simultaneously -- Two-face horn extensions -- Decremental maintenance of reachability in hypergraphs and minimum models of horn formulae -- Algorithmic analysis of multithreaded algorithms -- A characterization of planar graphs by pseudo-line arrangements -- Optimal fault-tolerant broadcasting in trees -- A theoretical framework of hybrid approaches to MAX SAT -- Exponential lower bounds on the size of OBDDs representing integer division -- On-line versus off-line in money-making strategies with brokerage -- Decision-making by hierarchies of discordant agents -- A new efficient off-line anonymous cash scheme -- Approximating unweighted connectivity problems in parallel -- A randomized linear work EREW PRAM algorithm to find a minimum spanning forest -- Efficient parallel algorithms for planar st-graphs -- Peg-solitaire, string rewriting systems and finite automata -- On the size of probabilistic formulae -- Homophonic coding with logarithmic memory size -- Complexity and modeling aspects of mesh refinement into quadrilaterals -- Topology oriented vs. exact arithmetic — Experience in implementing the three-dimensional convex hull algorithm -- The complexity of learning branches and strategies from queries -- Singularities make spatial join scheduling hard -- A faster one-dimensional topological compaction algorithm -- Algorithms for finding optimal disjoint paths around a rectangle -- An algorithm for finding a region with the minimum total L 1 from prescribed terminals -- On defect sets in bipartite graphs (extended abstract) -- Dynamic programming on distance-hereditary graphs -- On the equivalence in complexity among basic problems on bipartite and parity graphs -- All-cavity maximum matchings -- Fast algorithms for computing ?-Skeletons and their relatives -- A branch-and-cut approach for minimum weight triangulation -- An efficient approximation scheme for the subset-sum problem -- Competitive call control in mobile networks -- Generalized swap-with-parent schemes for self-organizing sequential linear lists.

Sommario/riassunto	This book constitutes the refereed proceedings of the 8th International Symposium on Algorithms and Computation, ISAAC'97, held in Singapore in December 1997. The 42 revised full papers presented were selected from a total of 98 submissions. The scope of the volume spans the whole area of algorithms from discrete mathematics and complexity theory to algorithms design and evaluation in a variety of applicational areas. Among the topics addressed are scheduling and logistics, networking and routing, combinatorial optimization, graph-computations, algorithmic learning, computational geometry, etc.

2. Record Nr.	UNISA996466103403316
Titolo	Advances in Petri Nets 1984 [[electronic resource] /] / edited by G. Rozenberg
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1985
ISBN	3-540-39320-X
Edizione	[1st ed. 1985.]
Descrizione fisica	1 online resource (XII, 472 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 188
Disciplina	005.1
Soggetti	Software engineering Computer communication systems Software Engineering Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	PSI: A petri net based simulator for flexible manufacturing systems -- Modelling and validation of complex systems by coloured petri nets application to a flexible manufacturing system -- Concurrency axioms and D-continuous posets -- Frozen tokens and D-continuity: A study in relating system properties to process properties -- Modelling scheduling problems with timed petri nets -- Infinite behaviour and fairness in petri nets -- Petri net based models for the specification and validation of protocols -- A note on observable occurrence nets -- A lattice theoretic view of K-density -- Fair serializability of iterated transactions using fifo-nets -- Csp-programs as nets with individual tokens -- Design and programming of interfaces for monetic applications using petri nets -- Towards reachability trees for high-level petri nets -- The residue of vector sets with applications to decidability problems in petri nets -- The design of a program package for an introductory petri net course -- On communication protocol modelling and design -- On structural properties of generalized processes -- Stepwise construction of non-sequential software systems using a net-based specification language -- Liveness and duality in marked-graph-like predicate/transition nets -- Semantics of concurrent systems: A modular fixed-point trace approach -- The