

1. Record Nr.	UNINA9910143581203321
Titolo	Parallel combinatorial optimization [[electronic resource] /] / edited by El-Ghazali Talbi
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-280-72140-5 9786610721405 0-470-05392-5 0-470-05391-7
Descrizione fisica	1 online resource (348 p.)
Collana	Wiley series on parallel and distributed computing
Altri autori (Persone)	TalbiEl-Ghazali <1965->
Disciplina	004.35 004/.35
Soggetti	Parallel processing (Electronic computers) Electronic data processing - Distributed processing Combinatorial optimization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PARALLEL COMBINATORIAL OPTIMIZATION; CONTENTS; Preface; Acknowledgments; Contributors; 1. Parallel Branch-and-Bound Algorithms; 2. Parallel Dynamic Programming; 3. Parallel Branch and Cut; 4. Parallel Semidefinite Programming and Combinatorial Optimization; 5. Parallel Resolution of the Satisfiability Problem: A Survey; 6. Parallel Metaheuristics: Algorithms and Frameworks; 7. Towards Parallel Design of Hybrids between Metaheuristics and Exact Methods; 8. Parallel Exact Methods for Multiobjective Combinatorial Optimization 9. Parallel Primal-Dual Interior Point Methods for Semidefinite Programs10. MW: A Software Framework for Combinatorial Optimization on Computational Grids; 11. Constraint Logic Programming on Multiple Processors; 12. Application of Parallel Metaheuristics to Optimization Problems in Telecommunications and Bioinformatics; Index
Sommario/riassunto	This text provides an excellent balance of theory and application that enables you to deploy powerful algorithms, frameworks, and

methodologies to solve complex optimization problems in a diverse range of industries. Each chapter is written by leading experts in the fields of parallel and distributed optimization. Collectively, the contributions serve as a complete reference to the field of combinatorial optimization, including details and findings of recent and ongoing investigations.
