1. Record Nr.	UNINA9910143600503321
Titolo	Computational Science - ICCS 2001 : International Conference, San Francisco, CA, USA, May 28-30, 2001. Proceedings, Part II / / edited by Vassil N. Alexandrov, Jack J. Dongarra, Benjoe A. Juliano, Rene S. Renner, C.J.Kenneth Tan
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-45718-6
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (LVI, 1081 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2074
Disciplina	004
Soggetti	Computers
	Software engineering
	Artificial intelligence
	Computer mathematics
	Computational complexity
	Theory of Computation
	Software Engineering/Programming and Operating Systems
	Information Systems and Communication Service
	Artificial Intelligence
	Computational Mathematics and Numerical Analysis
	Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Digital Imaging Applications -- Environmental Modeling -- High Performance Computational Tools and Environments -- Intelligent Systems Design and Applications -- Multimedia -- Multi-spectral Scene Generation and Projection -- Novel Models for Parallel Computation -- Optimization -- Program and Visualization -- Tools and Environments for Parallel and Distributed Programming -- Simulation -- Soft Computing: Systems and Applications -- Phylogenetic Inference for Genome Rearrangement Data -- Late Submissions -- Advances in Molecular Algorithms.

Sommario/riassunto   LNCS volumes 2073 and 2074 contain the proceedings of the International Conference on Computational Science, ICCS 2001, held in San Francisco, California, May 27-31, 2001. The two volumes consist of more than 230 contributed and invited papers that reflect the aims of the conference to bring together researchers and scientists from mathematics and computer science as basic computing disciplines, researchers from various application areas who are pioneering advanced application of computational methods to sciences such as physics, chemistry, life sciences, and engineering, arts and humanitarian fields, along with software developers and vendors, to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research, as well as to help industrial users apply various advanced computational techniques.