Record Nr. UNISA996465890303316 Computational Science - ICCS 2001 [[electronic resource]]: **Titolo** 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 3-540-45718-6 **ISBN** 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.