

1. Record Nr.	UNINA9910483544003321
Titolo	Transactions on computational science I // Marina L. Gavrilova, C.J. Kenneth Tan (eds.)
Pubbl/distr/stampa	Berlin, : Springer, 2008
ISBN	3-540-79299-6
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XI, 181 p.)
Collana	LNCS sublibrary. SL 1, Theoretical computer science and general issues Lecture notes in computer sciences. Journal subline, , 0302-9743 ; ; 4750 Transactions on computational science, , 1866-4733
Altri autori (Persone)	GavrilovaMarina L TanC. J. Kenneth (Chih Jeng Kenneth)
Disciplina	005.1
Soggetti	Computer science Computational 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 and index.
Nota di contenuto	pt. 1. Information systems design -- pt. 2. Data processing and industrial applications.
Sommario/riassunto	The LNCS journal Transactions on Computational Science reflects recent developments in the field of Computational Science, conceiving the field not as a mere ancillary science but rather as an innovative approach supporting many other scientific disciplines. The journal focuses on original high-quality research in the realm of Computational Science in parallel and distributed environments, encompassing the facilitating theoretical foundations and the applications of large-scale computations and massive data processing. It addresses researchers and practitioners in areas ranging from aerospace to biochemistry, from electronics to geosciences, from mathematics to software architecture, presenting verifiable computational methods, findings and solutions and enabling industrial users to apply techniques of leading-edge, large-scale, high performance computational methods. This inaugural volume is devoted to computer systems research with an emphasis on core computational science issues faced by researchers and industries today, and focusing on the development of novel

computational techniques that are versatile and verifiable in a wide range of applications. The volume is divided into two parts. The five papers in Part 1 focus on the theme of information system design, and the four papers in Part 2 are concerned with specific computational science problems in the area of data processing. .

---