

1. Record Nr.	UNISA996465710503316
Titolo	Computational Science and Its Applications - ICCSA 2005 [[electronic resource]] : International Conference, Singapore, May 9-12. 2005, Proceedings, Part III // edited by Osvaldo Gervasi, Marina L. Gavrilova, Vipin Kumar, Antonio Laganà, Heow Pueh Lee, Youngson Mun, David Taniar, Chih Jeng Kenneth Tan
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (CXXXII, 1342 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3482
Disciplina	004.0151
Soggetti	Computer science Software engineering Numerical analysis Computer networks Computer simulation Theory of Computation Computer Science Software Engineering Numerical Analysis Computer Communication Networks Computer Modelling
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 indexes.
Nota di contenuto	Grid Computing and Peer-to-Peer (P2P) Systems Workshop -- Spatial Analysis and GIS: Local or Global? Workshop -- Computer Graphics and Rendering Workshop -- Data Mining and Bioinformatics Workshop -- Parallel and Distributed Computing Workshop -- Symbolic Computation, SC 2005 Workshop -- Specific Aspects of Computational Physics for Modeling Suddenly-Emerging Phenomena Workshop -- Internet Communications Security (WICS) Workshop -- Component Based Software Engineering and Software Process Model Workshop -- Computer Graphics and Geometric Modeling (TSCG 2005) Workshop --

The four volume set assembled following The 2005 International Conference on Computational Science and its Applications, ICCSA 2005, held in Suntec International Convention and Exhibition Centre, Singapore, from 9 May 2005 till 12 May 2005, represents the ?ne collection of 540 refereed papers selected from nearly 2,700 submissions. Computational Science has ?rmly established itself as a vital part of many scienti?c investigations, affecting researchers and practitioners in areas ranging from applications such as aerospace and automotive, to emerging technologies such as bioinformatics and nanotechnologies, to core disciplines such as mathematics, physics, and chemistry. Due to the sheer size of many challenges in computational science, the use of supercomputing, parallel processing, and sophisticated algorithms is inevitable and becomes a part of fundamental theoretical research as well as endeavors in emerging fields. Together, these far reaching scienti?c areas contribute to shape this Conference in the realms of state-of-the-art computational science research and applications, encompassing the facilitating theoretical foundations and the innovative applications of such results in other areas.
