1. Record Nr. UNISA996465705503316

Titolo	Computational Science and Its Applications - ICCSA 2005 [[electronic resource]] : International Conference, Singapore, May 9-12, 2005, Proceedings, Part I / / edited by Osvaldo Gervasi, Marina L. Gavrilova, Vipin Kumar, Antonio Laganà, Heow Pueh Lee, Youngsong 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 (LXV, 1234 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 3480
Disciplina	004.0151
Soggetti	Computer science Software engineering Numerical analysis Computer networks Computer simulation Image processing—Digital techniques Computer vision Theory of Computation Software Engineering Numerical Analysis Computer Communication Networks Computer Modelling Computer Imaging, Vision, Pattern Recognition and Graphics
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	Information Systems and Information Technologies (ISIT) Workshop -- Mobile Communications (Mobicomm) Workshop -- Authentication Authorization Accounting (AAA) Workshop -- Computational Geometry and Applications (CGA’05) Workshop -- Virtual Reality in Scientific Applications and Learning (VRSAL 2005) Workshop -- Molecular Structures and Processes Workshop -- Pattern Recognition and

Ubiquitous Computing Workshop.

Sommario/riassunto

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, a?ecting 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 ma- ematics, physics, and chemistry. Due to the shear size of many challenges in computational science, the use of supercomputing, parallel processing, and - phisticated algorithms is inevitable and becomes a part of fundamental t- oretical research as well as endeavors in emerging ? elds. 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.