1.	Record Nr.	UNISA996465522903316
	Titolo	Advanced Intelligent Computing Theories and Applications. With Aspects of Theoretical and Methodological Issues [[electronic resource]] : Fourth International Conference on Intelligent Computing, ICIC 2008 Shanghai, China, September 15-18, 2008 Proceedings / / edited by De-Shuang Huang, Donald C. Wunsch, Daniel S. Levine, Kang-Hyun Jo
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
	ISBN	3-540-87442-9
	Edizione	[1st ed. 2008.]
	Descrizione fisica	1 online resource (XXVII, 1273 p.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5226
	Classificazione	54.72 DAT 500f DAT 700f SS 4800
	Disciplina	006.301
	Soggetti	Computer programming Application software Pattern recognition systems Computer science Algorithms Artificial intelligence Programming Techniques Computer and Information Systems Applications Automated Pattern Recognition Theory of Computation Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di bibliografia	Includes bibliographical references and author index.
	Nota di contenuto	Biological and Quantum Computing -- Intelligent Computing in Bioinformatics -- Computational Genomics and Proteomics -- Intelligent Computing in Signal Processing -- Intelligent Computing in Pattern Recognition -- Intelligent Computing in Communication -- Intelligent Agent and Web Applications -- Intelligent Fault Diagnosis --

Intelligent Control and Automation -- Intelligent Data Fusion and Security -- Intelligent Prediction and Time Series Analysis -- Natural Language Processing and Expert Systems -- Intelligent Image/Document Retrievals -- Network-Based Intelligence and Automation -- Intelligent Robot Systems Based on Vision Technology -- Computational Intelligence for Image Analysis.

Sommario/riassunto	This book - in conjunction with the two volumes CCIS 0015 and LNAI 5226 - constitutes the refereed proceedings of the 4th International Conference on Intelligent Computing, ICIC 2008, held in Shanghai, China, in September 2008. The 152 revised full papers of this volume were carefully reviewed and selected from a total of 2336 submissions. The papers are organized in topical sections on biological and quantum computing, intelligent computing in bioinformatics, computational genomics and proteomics, intelligent computing in signal processing, intelligent computing in pattern recognition, intelligent computing in communication, intelligent agent and web applications, intelligent fault diagnosis, intelligent control and automation, intelligent data fusion and security, intelligent prediction and time series analysis, natural language processing and expert systems, intelligent image/document retrievals, network-based intelligence and automation, intelligent robot systems based on vision technology, and computational intelligence for image analysis.