

1. Record Nr.	UNINA9910483042103321
Titolo	Computational Intelligence and Bioinformatics : International Conference on Intelligent Computing, ICIC 2006, Kunming, China, August 16-19, 2006, Proceedings, Part III / / edited by De-Shuang Huang, George William Irwin
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-37282-2
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XXI, 803 p.)
Collana	Lecture Notes in Bioinformatics, , 2366-6331 ; ; 4115
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Disciplina	006.3
Soggetti	Artificial intelligence Algorithms Artificial intelligence - Data processing Computer science Database management Bioinformatics Artificial Intelligence Data Science Theory of Computation Database Management
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	Ant Colony Optimisation -- Particle Swarm Optimisation -- Swarm Intelligence -- Autonomy-Oriented Computing -- Quantum and Molecular Computations -- Biological and DNA Computing -- Intelligent Computing in Bioinformatics -- Intelligent Computing in Computational Biology and Drug Design -- Computational Genomics and Proteomics -- Artificial Life and Artificial Immune Systems in Intelligent Computing -- Special Session on Bio-oriented and Bio-inspired Information Systems -- Special Session on Novel Applications

**Sommario/riassunto**

The International Conference on Intelligent Computing (ICIC) was formed to provide an annual forum dedicated to the emerging and challenging topics in artificial intelligence, machine learning, bioinformatics, and computational biology, etc. It aims to bring together researchers and practitioners from both academia and industry to share ideas, problems and solutions related to the multifaceted aspects of intelligent computing. ICIC 2006 held in Kunming, Yunnan, China, August 16-19, 2006, was the second International Conference on Intelligent Computing, built upon the success of ICIC 2005 held in Hefei, China, 2005. This year, the conference concentrated mainly on the theories and methodologies as well as the emerging applications of intelligent computing. It intended to unify the contemporary intelligent computing techniques within an integral framework that highlights the trends in advanced computational intelligence and bridges theoretical research with applications. In particular, bio-inspired computing emerged as having a key role in pursuing for novel technology in recent years. The resulting techniques vitalize life science engineering and daily life applications. In light of this trend, the theme for this conference was "Emerging Intelligent Computing Technology and Applications". Papers related to this theme were especially solicited, including theories, methodologies, and applications in science and technology.

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