1.	Record Nr.	UNISA996466153803316
	Titolo	Advances in Machine Learning and Cybernetics [[electronic resource]] : 4th International Conference, ICMLC 2005, Guangzhou, China, August 18-21, 2005, Revised Selected Papers / / edited by Daniel S. Yeung, Zhi-Qiang Liu, Xi-Zhao Wang, Hong Yan
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
	ISBN	3-540-33585-4
	Edizione	[1st ed. 2006.]
	Descrizione fisica	1 online resource (XXI, 1110 p.)
	Collana	Lecture Notes in Artificial Intelligence ; ; 3930
	Disciplina	006.3
	Soggetti	Artificial intelligence Mathematical logic Computers Algorithms Optical data processing Database management Artificial Intelligence Mathematical Logic and Formal Languages Computation by Abstract Devices Algorithm Analysis and Problem Complexity Image Processing and Computer Vision 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 author index.
	Nota di contenuto	Agents and Distributed AI -- Intelligent Control (I) -- Intelligent Control (II) -- Data Mining and Knowledge Discovery (I) -- Data Mining and Knowledge Discovery (II) -- Data Mining and Knowledge Discovery (III) -- Fuzzy Information Processing (I) -- Fuzzy Information Processing (II) -- Learning and Reasoning (I) -- Learning and Reasoning (II) -- Learning and Reasoning (III) -- Machine Learning Applications (I) -- Machine Learning Applications (II) -- Machine Learning Applications (III) -- Neural Networks and Statistical Learning Methods (I) -- Neural

Networks and Statistical Learning Methods (II) -- Neural Networks and Statistical Learning Methods (III) -- Neural Networks and Statistical Learning Methods (IV) -- Pattern Recognition (I) -- Pattern Recognition (II) -- Vision and Image Processing (I) -- Vision and Image Processing (II).

Sommario/riassunto	Machine learning and cybernetics play an important role in many modern electronic, computer and communications systems. Automated processing of information by these systems requires intelligent analysis of various types of data and optimal decision making. In recent years, we have witnessed a rapid expansion of research and development activities in machine learning and cybernetics. To provide opportunities for researchers in these areas to share their ideas and foster collaborations, the International Conference on Machines and Cybernetics (ICMLC) has been held annually since 2002. The conference series has achieved a great success in attracting a large number of paper submissions and participants and enabling fruitful exchanges among academic and industrial researchers and postgraduate students. In 2005, the conference (ICMLC 2005) received 2461 full paper submissions and the Program Committee selected 1050 of them for presentation. It is especially encouraging that the conference is attracting more and more international attention. This year, there are contributions from 21 countries and 211 universities worldwide. Out of the 1050 papers presented at the conference, we selected 114 papers to be published in this volume of Lecture Notes in Computer Science.