

1. Record Nr.	UNISA996465534003316
Titolo	Advances in Neural Networks - ISSN 2008 [[electronic resource] ] : 5th International Composium on Neural Networks, ISSN 2008, Beijing, China, September 24-28, 2008, Proceedings, Part II // edited by Fuchun Sun, Jianwei Zhang, Jinde Cao, Wen Yu
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	3-540-87734-7
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XXXI, 846 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 5264
Disciplina	005.11
Soggetti	Computer programming Data mining Computer simulation Computer science Artificial intelligence Computer vision Programming Techniques Data Mining and Knowledge Discovery Computer Modelling Theory of Computation Artificial Intelligence Computer Vision
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	Machine Learning and Data Mining -- Intelligent Control and Robotics -- Pattern Recognition -- Audio, Image Processing and Computer Vision -- Fault Diagnosis -- Other Applications and Implementations -- Applications of Neural Networks in Electronic Engineering -- Cellular Neural Networks and Advanced Control with Neural Networks -- Nature Inspired Methods of High-dimensional Discrete Data Analysis -- Pattern Recognition and Information Processing Using Neural Networks.
Sommario/riassunto	The two volume set LNCS 5263/5264 constitutes the refereed

proceedings of the 5th International Symposium on Neural Networks, ISNN 2008, held in Beijing, China in September 2008. The 192 revised papers presented were carefully reviewed and selected from a total of 522 submissions. The papers are organized in topical sections on computational neuroscience; cognitive science; mathematical modeling of neural systems; stability and nonlinear analysis; feedforward and fuzzy neural networks; probabilistic methods; supervised learning; unsupervised learning; support vector machine and kernel methods; hybrid optimisation algorithms; machine learning and data mining; intelligent control and robotics; pattern recognition; audio image processing and computer vision; fault diagnosis; applications and implementations; applications of neural networks in electronic engineering; cellular neural networks and advanced control with neural networks; nature inspired methods of high-dimensional discrete data analysis; pattern recognition and information processing using neural networks.

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