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Soggetti	Computers Computer programming Algorithms Artificial intelligence Computer communication systems Computer science—Mathematics Computation by Abstract Devices Programming Techniques Algorithm Analysis and Problem Complexity Artificial Intelligence Computer Communication Networks Discrete Mathematics in Computer Science
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Nota di contenuto	Theoretical Analysis -- Learning and Optimization -- Support Vector Machines -- Blind Source Separation, Independent Component Analysis and Principal Component Analysis -- Clustering and Classification.
Sommario/riassunto	This book constitutes the proceedings of the International Symposium on Neural N- works (ISSN 2004) held in Dalian, Liaoning, China during August 19–21, 2004. ISSN 2004 received over 800 submissions from authors in ?ve continents (Asia, Europe, North America, South America,

and Oceania), and 23 countries and regions (mainland China, Hong Kong, Taiwan, South Korea, Japan, Singapore, India, Iran, Israel, Turkey, Hungary, Poland, Germany, France, Belgium, Spain, UK, USA, Canada, Mexico, Venezuela, Chile, and Australia). Based on reviews, the Program Committee selected 329 high-quality papers for presentation at ISNN 2004 and publication in the proceedings. The papers are organized into many topical sections under 11 major categories (theoretical analysis; learning and optimization; support vector machines; blind source separation, independent component analysis, and principal component analysis; clustering and classification; robotics and control; telecommunications; signal, image and time series processing; detection, diagnostics, and computer security; biomedical applications; and other applications) covering the whole spectrum of the recent neural network research and development. In addition to the numerous contributed papers, 15 distinguished scholars were invited to give plenary speeches at ISNN 2004. ISNN 2004 was an inaugural event. It brought together a few hundred researchers, educators, scientists, and practitioners to the beautiful coastal city Dalian in northeastern China.
