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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	From the Content: Introduction -- Fuzzy Logic for Arterial Hypertension Classification -- Design of a Neuro Design of a Neuro Design of Arterial Hypertension.
Sommario/riassunto	In this book, a new approach for diagnosis and risk evaluation of arterial hypertension is introduced. The new approach was implemented as a hybrid intelligent system combining modular neural networks and fuzzy systems. The different responses of the hybrid system are combined using fuzzy logic. Finally, two genetic algorithms are used to perform the optimization of the modular neural networks parameters and fuzzy inference system parameters. The experimental results obtained using the proposed method on real patient data show that when the optimization is used, the results can be better than without optimization. This book is intended to be a reference for scientists and physicians interested in applying soft computing techniques, such as neural networks, fuzzy logic and genetic algorithms, in medical diagnosis, but also in general to classification

and pattern recognition and similar problems.

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