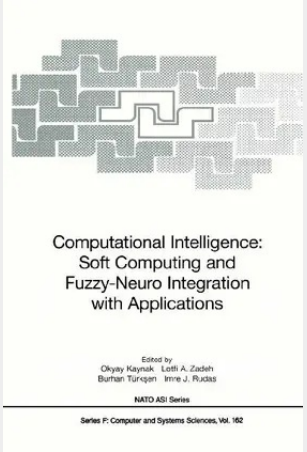
Kaynak / Zadeh / Türksen

Computational Intelligence: Soft Computing and Fuzzy-Neuro Integration with Applications

Soft computing is a consortium of computing methodologies that provide a foundation for the conception, design, and deployment of intelligent systems and aims to formalize the human ability to make rational decisions in an environment of uncertainty and imprecision. This book is based on a NATO Advanced Study Institute held in 1996 on soft computing and its applications. The distinguished contributors consider the principal constituents of soft computing, namely fuzzy logic, neurocomputing, genetic computing, and probabilistic reasoning, the relations between them, and their fusion in industrial applications. Two areas emphasized in the book are how to achieve a synergistic combination of the main constituents of soft computing and how the combination can be used to achieve a high Machine Intelligence Quotient.

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160,49 €
149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540640042
Medium: Buch
ISBN: 978-3-540-64004-2
Verlag: Springer Berlin Heidelberg
Erscheinungstermin: 20.08.1998
Sprache(n): Englisch
Auflage: 1. Auflage 1998
Serie: NATO ASI Subseries F:
Produktform: Gebunden
Gewicht: 2100 g
Seiten: 542
Format (B x H): 160 x 241 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)