



Computational Intelligence: Principles, Techniques and Applications

By Amit Konar



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Computational Intelligence: Principles, Techniques and Applications By Amit Konar Bibliography

- Sales Rank: #3458077 in Books
- Published on: 2005-05-31
- Original language: English
- Number of items: 1
- Dimensions: 9.48" h x 1.33" w x 6.40" l, 2.95 pounds
- Binding: Hardcover
- 708 pages

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Editorial Review

Review

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Most complete book on computational intelligence.

"The book Computational Intelligence: Principles, Techniques and Applications by Dr Amit Konar provides comprehensive and excellent coverage of current topics in computational intelligence. ... the book is highly suitable for use by pre-Ph.D. students, researchers, as well as practitioners in science and engineering. ... The book cites numerous references at the end of each chapter." (Steve C. Chiu, International Journal of Robust and Nonlinear Control, Vol. 18, 2008)

From the Back Cover

The book Computational Intelligence: Principles, Techniques and Applications presents both theories and applications of Computational Intelligence in a clear, precise and highly comprehensive style. The textbook addresses the fundamental aspects of Fuzzy Sets and Logic, Neural Networks, Evolutionary Computing and Belief Networks. The application areas include Fuzzy Databases, Fuzzy Control, Image Understanding, Expert Systems, Object Recognition, Criminal Investigation, Telecommunication Networks and Intelligent Robots. The book contains many numerical examples and homework problems with sufficient hints so that the students can solve them on their own. Emerging areas of Computational Intelligence such as artificial life, particle swarm optimization, artificial immune systems, fuzzy chaos theory, rough sets and granular computing have also been addressed with examples in this book. The book ends with a discussion on a number of open- ended research problems in Computational Intelligence. Graduate students interested to pursue their research in this subject will greatly be benefited with these problems.

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