

Computational Intelligence



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Computational intelligence is the study of adaptive mechanisms to enable or facilitate intelligent behaviour in complex and changing environments. As such, computational intelligence combines artificial neural networks, evolutionary computing, swarm intelligence and fuzzy systems.

This book presents a highly readable and systematic introduction to the fundamentals of computational intelligence. In-depth treatments of the more important and most frequently used techniques are also given. The book provides treatment of computational intelligence in a manner which allows the reader to easily implement the different techniques, and to apply these techniques to solve real-world, complex problems.

Key features include:

A balanced treatment of the different computational intelligence paradigms

Inclusion of swarm intelligence

Coverage of the most recent developments in computational intelligence

Complete algorithms presented in pseudo-code to allow implementation in any language

Includes numerous exercises to involve and stimulate the reader further. The careful and considered approach to this key subject makes this book appropriate for both the first-time reader, as well as individuals already active in the field.

作者介绍:

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