DESCRIPTION

The definitive survey of computational intelligence from luminaries in the field

Computational intelligence is a fast-moving, multidisciplinary field - the nexus of diverse technical interest areas that include neural networks, fuzzy logic, and evolutionary computation. Keeping up with computational intelligence means understanding how it relates to an ever-expanding range of applications. This is the book that ties it all together - and puts that understanding well within your reach.

In *Computational Intelligence: The Experts Speak*, editors David B. Fogel and Charles J. Robinson present an unmatched compilation of expanded papers from plenary and special lecturers attending the 2002 IEEE World Congress on Computational Intelligence. Collectively, these papers provide a compelling snapshot of the issues that define the industry, as observed by some of the top minds in the computational intelligence community. In a series of topical chapters, this comprehensive volume shows how current technology is shaping computational intelligence, and it delivers eye-opening insights into the field's future challenges.

The research detailed here covers an array of leading-edge applications, from coevolutionary robotics to underwater sensors and cognitive science, in such areas as:

- Self-organizing systems
- Situation awareness
- Human-machine interaction
- Automatic control
• Data recognition

*Computational Intelligence* also includes introductions to each grouping of contributions that provide helpful tutorials and discuss important parallels between topics.

Whatever your role might be in this dynamic, influential field, this is the one reference that no practitioner of computational intelligence should be without.

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**ABOUT THE AUTHOR**

David B. Fogel, PhD, is the Chief Executive Officer of Natural Selection Inc. and was the general chairman of the 2002 IEEE World Congress on Computational Intelligence.

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