Applied Computational Intelligence and Soft Computing in Engineering

Part of the Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series
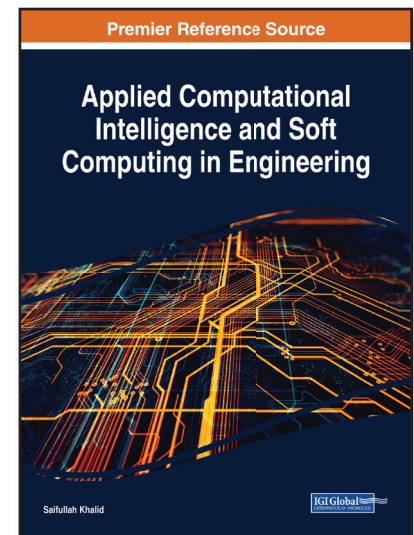
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Description:

Although computational intelligence and soft computing are both well-known fields, using computational intelligence and soft computing in conjunction is an emerging concept. This combination can effectively be used in practical areas of various fields of research.

Applied Computational Intelligence and Soft Computing in Engineering is an essential reference work featuring the latest scholarly research on the concepts, paradigms, and algorithms of computational intelligence and its constituent methodologies such as evolutionary computation, neural networks, and fuzzy logic. Including coverage on a broad range of topics and perspectives such as cloud computing, sampling in optimization, and swarm intelligence, this publication is ideally designed for engineers, academicians, technology developers, researchers, and students seeking current research on the benefits of applying computation intelligence techniques to engineering and technology.

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Topics Covered:

- Cloud Computing
- EEG-Analysis
- Functional Brain Networks
- Fuzzy Controller
- Machine Learning
- Malware Attack Finding
- Sampling in Optimization
- Swarm Intelligence

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