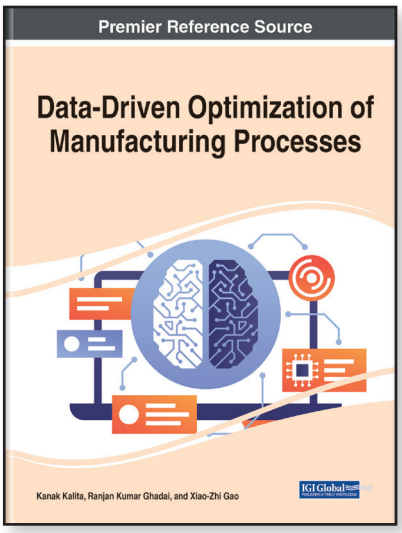
Data-Driven Optimization of Manufacturing Processes

Part of the Advances in Civil and Industrial Engineering Book Series



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Description:

Data-Driven Optimization of Manufacturing Processes contains the latest research on the application of state-of-the-art computational intelligence techniques from both predictive modeling and optimization viewpoint in both soft computing approaches and machining processes. The chapters provide solutions applicable to machining or manufacturing process problems and for optimizing the problems involved in other areas of mechanical, civil, and electrical engineering, making it a valuable reference tool. This book is addressed to engineers, scientists, practitioners, stakeholders, researchers, academicians, and students interested in the potential of recently developed powerful computational intelligence techniques towards improving the performance of machining processes.

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Topics Covered:

- Computational Intelligence
- Conventional Machining Processes
- Genetic Algorithm
- Manufacturing
- MOORA
- Non-Traditional Machine Processes
- Optimization
- Particle Swarm Optimization
- Predictive Modeling
- Soft Computing
- TOPSIS

Subject: Science and Engineering

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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