Handbook of Research on Manufacturing Process Modeling and Optimization Strategies

Part of the Advances in Logistics, Operations, and Management Science Book Series

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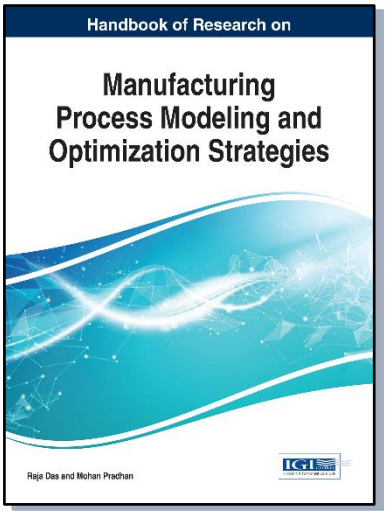

Description:

Recent improvements in business process strategies have allowed more opportunities to attain greater developmental performances. This has led to higher success in day-to-day production and overall competitive advantage.

The **Handbook of Research on Manufacturing Process Modeling and Optimization Strategies** is a pivotal reference source for the latest research on the various manufacturing methodologies and highlights the best optimization approaches to achieve boosted process performance. Featuring extensive coverage on relevant areas such as genetic algorithms, fuzzy set theory, and soft computing techniques, this publication is an ideal resource for researchers, practitioners, academicians, designers, manufacturing engineers, and institutions involved in design and manufacturing projects.

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Topics Covered:

- Analytic Hierarchy Process
- Artificial Neural Network
- Fuzzy Neural Network
- Fuzzy Set Theory
- Genetic Algorithms
- Particle Swarm Optimization
- Soft Computing Techniques

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