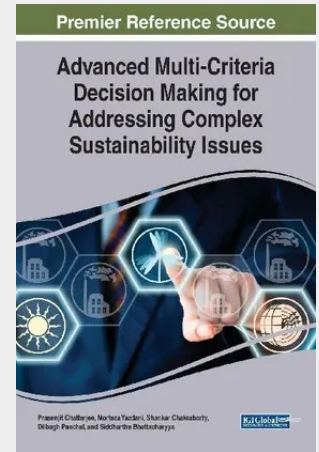


Advanced Multi-Criteria Decision Making for Addressing Complex Sustainability Issues

Sustainability issues have gained more importance in contemporary globalization, pushing decision makers to find a systematic mathematical approach to conduct analyses of this real-world problem. The growing complexity in modern social-economics or engineering environments or systems has forced researchers to solve complicated problems by using multi-criteria decision-making (MCDM) approaches. However, traditional MCDM research mainly focuses on reaching the highest economic value or efficiency, and issues related to sustainability are still not closely explored. Advanced Multi-Criteria Decision Making for Addressing Complex Sustainability Issues discusses and addresses the challenges in the implementation of decision-making models in the context of green and sustainable engineering, criteria identification, quantification, comparison, selection, and analysis in the context of manufacturing, supply chain, transportation, and energy sectors. All academic communities in the areas of management, economics, business sciences, mechanical, and manufacturing technologies are able to use, apply, and implement the models presented in this book. It is intended for researchers, manufacturers, engineers, managers, industry professionals, academicians, and students.

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224,40 €

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781522585794

Medium: Buch

ISBN: 978-1-5225-8579-4

Verlag: Engineering Science
Reference

Erscheinungstermin: 03.05.2019

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2019

Produktform: Gebunden

Gewicht: 930 g

Seiten: 350

Format (B x H): 183 x 260 mm

