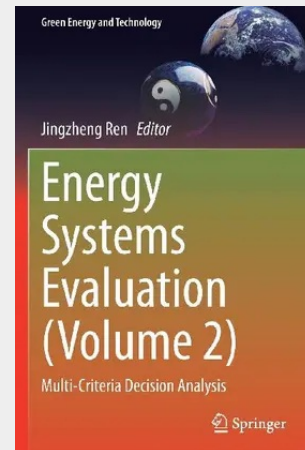


## Energy Systems Evaluation (Volume 2)

Multi-Criteria Decision Analysis

This book presents various multi-criteria analysis methods for sustainability-oriented analysis and decision-making for energy systems, under various different conditions and scenarios. It presents methodologies to answer the questions relating to which of the options are the most sustainable among the alternatives, and how multi-criteria decision analysis methods can be used to select the most sustainable energy systems. A systematic innovative methodological framework is presented, which enables the most appropriate energy system to be selected under different conditions including: - Scientific decision support tools for sustainable energy system selection; - Fuzzy, grey, and rough sets based multi-criteria decision analysis; - Decision-making models under uncertainties; and The combination of life cycle thinking and multi-criteria decision analysis. This book is of interest to researchers, engineers, decision makers, and postgraduate students within the field of energy systems, sustainability, and multi-criteria decision analysis.

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