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The first comprehensive book to uniquely combine the three fields of systems engineering, operations/production systems, and multiple criteria decision making/optimization.

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- How operations and production systems are designed and planned
- How operations and production systems are engineered and optimized
- How to formulate and solve manufacturing systems problems
- How to model and solve interdisciplinary and systems engineering problems
- How to solve decision problems with multiple and conflicting objectives

This book is ideal for senior undergraduate, MS, and PhD graduate students in all fields of engineering, business, and management as well as practitioners and researchers in systems engineering, operations, production, and manufacturing.

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