



Handbook of Production Scheduling (International Series in Operations Research & Management Science)

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**Handbook of Production Scheduling (International Series in Operations
Research & Management Science)** From Springer

This book concentrates on real-world production scheduling in factories and industrial settings. It includes industry case studies that use innovative techniques as well as academic research results that can be used to improve production scheduling. Its purpose is to present scheduling principles, advanced tools, and examples of innovative scheduling systems to persons who could use this information to improve their own production scheduling.

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Editorial Review

Review

From the reviews:

"Herrmann's book describes in detail new production-scheduling problems and challenges. ... this book is an excellent tool for use as a reference book for readers who wish to build new production-scheduling procedures. ... I think this is an interesting book about production scheduling and related issues for use by many students, professionals, professors, and researchers to learn the key concepts about this topic. Therefore, I consider this work as a valuable reference for graduate students or researchers interested in production scheduling in a wider sense." (Javier Faulin, *Interfaces*, Vol. 38 (3), 2008)

From the Back Cover

The HANDBOOK OF PRODUCTION SCHEDULING concentrates on real-world production scheduling in factories and industrial settings. It includes industry case studies that use innovative techniques as well as academic research results that can be used to improve real-world production scheduling. Its purpose is to present scheduling principles, advanced tools, and examples of innovative scheduling systems to persons who could use this information to improve production scheduling in their own organization.

The intended audience includes: production and plant managers, industrial engineers, operations research practitioners, advanced undergraduate/ graduate students and faculty studying and doing research in operations research and industrial engineering.

The handbook provides a range and variety of real-world scheduling issues and analyses. Some of the areas covered are as follows:

- production scheduling processes as complex decision-making systems;
- the key concepts in master production scheduling and the techniques that are useful for finding better solutions;
- practical approaches to important supply chain scheduling problems;
- the use of mathematical programming to solve large production scheduling problems at one of the world's largest mines;
- guidelines for work-rest scheduling, personnel scheduling, job rotation scheduling, cross-training, as well as group and team work.

The motivation for this book is the desire to bridge the gap between scheduling theory and practice. Therefore, these practical analyses are provided to help researchers and students solve scheduling problems by focusing on real world scheduling systems that will benefit from improvement.

Users Review

From reader reviews:

Sammy McManus:

Nowadays reading books become more and more than want or need but also work as a life style. This reading addiction give you lot of advantages. The advantages you got of course the knowledge your information inside the book that improve your knowledge and information. The knowledge you get based on what kind of e-book you read, if you want attract knowledge just go with education books but if you want feel happy read one using theme for entertaining like comic or novel. Typically the Handbook of Production Scheduling (International Series in Operations Research & Management Science) is kind of reserve which is giving the reader unforeseen experience.

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