



Handbook of Scheduling: Algorithms, Models, and Performance Analysis

By Joseph Y-T. Leung, James H. Anderson

Download now

Read Online ➔

Handbook of Scheduling: Algorithms, Models, and Performance Analysis

By Joseph Y-T. Leung, James H. Anderson

Researchers in management, industrial engineering, operations, and computer science have intensely studied scheduling for more than 50 years, resulting in an astounding body of knowledge in this field. **Handbook of Scheduling: Algorithms, Models, and Performance Analysis**, the first handbook on scheduling, provides full coverage of the most recent and advanced topics on the subject. It assembles researchers from all relevant disciplines in order to facilitate cross-fertilization and create new scheduling insights.

The book comprises six major parts, each of which breaks down into smaller chapters:

- **Part I** introduces materials and notation, with tutorials on complexity theory and algorithms for the minimization of makespan, total completion time, dual objectives, maximum lateness, the number of late jobs, and total tardiness.
- **Part II** is devoted to classical scheduling problems.
- **Part III** explores scheduling models that originate in computer science, operations research, and management science.
- **Part IV** examines scheduling problems that arise in real-time systems, focusing on meeting hard deadline constraints while maximizing machine utilization.
- **Part V** discusses stochastic scheduling and queueing networks, highlighting jobs that are not deterministic.
- **Part VI** covers applications, discussing scheduling problems in airline, process, and transportation industries, as well as in hospitals and educational institutions.



[Download Handbook of Scheduling: Algorithms, Models, and Pe ...pdf](#)

 [Read Online Handbook of Scheduling: Algorithms, Models, and ...pdf](#)

Handbook of Scheduling: Algorithms, Models, and Performance Analysis

By Joseph Y-T. Leung, James H. Anderson

Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson

Researchers in management, industrial engineering, operations, and computer science have intensely studied scheduling for more than 50 years, resulting in an astounding body of knowledge in this field. **Handbook of Scheduling: Algorithms, Models, and Performance Analysis**, the first handbook on scheduling, provides full coverage of the most recent and advanced topics on the subject. It assembles researchers from all relevant disciplines in order to facilitate cross-fertilization and create new scheduling insights.

The book comprises six major parts, each of which breaks down into smaller chapters:

- **Part I** introduces materials and notation, with tutorials on complexity theory and algorithms for the minimization of makespan, total completion time, dual objectives, maximum lateness, the number of late jobs, and total tardiness.
- **Part II** is devoted to classical scheduling problems.
- **Part III** explores scheduling models that originate in computer science, operations research, and management science.
- **Part IV** examines scheduling problems that arise in real-time systems, focusing on meeting hard deadline constraints while maximizing machine utilization.
- **Part V** discusses stochastic scheduling and queueing networks, highlighting jobs that are not deterministic.
- **Part VI** covers applications, discussing scheduling problems in airline, process, and transportation industries, as well as in hospitals and educational institutions.

Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson **Bibliography**

- Sales Rank: #2723795 in Books
- Published on: 2004-04-27
- Original language: English
- Number of items: 1
- Dimensions: 10.24" h x 2.75" w x 7.42" l, 5.05 pounds
- Binding: Hardcover
- 1120 pages

 [**Download** Handbook of Scheduling: Algorithms, Models, and Pe ...pdf](#)

 [**Read Online** Handbook of Scheduling: Algorithms, Models, and ...pdf](#)

Download and Read Free Online Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson

Editorial Review

Review

"More than 90 well-known authors in this area have made contributions to this handbook . This handbook is certainly valuable for researchers that want to get an impression on recent research areas and also an overview on existing results. [T]his handbook presents a huge volume of recent research in different scheduling areas, and certainly will stimulate further developments in many directions ." - Mathematical Reviews, Issue 2005d

About the Author

New Jersey Institute of Technology, Newark, New Jersey, USA

New Jersey Institute of Technology, Newark, New Jersey, USA

Users Review

From reader reviews:

Clara Lee:

Have you spare time for the day? What do you do when you have considerably more or little spare time? That's why, you can choose the suitable activity with regard to spend your time. Any person spent their spare time to take a walk, shopping, or went to typically the Mall. How about open or maybe read a book eligible Handbook of Scheduling: Algorithms, Models, and Performance Analysis? Maybe it is to be best activity for you. You understand beside you can spend your time along with your favorite's book, you can better than before. Do you agree with it has the opinion or you have different opinion?

James Senters:

This book untitled Handbook of Scheduling: Algorithms, Models, and Performance Analysis to be one of several books which best seller in this year, here is because when you read this publication you can get a lot of benefit into it. You will easily to buy this kind of book in the book retail store or you can order it via online. The publisher of this book sells the e-book too. It makes you quicker to read this book, as you can read this book in your Cell phone. So there is no reason for your requirements to past this publication from your list.

Karen Shiner:

Reading a guide can be one of a lot of activity that everyone in the world loves. Do you like reading book thus. There are a lot of reasons why people like it. First reading a publication will give you a lot of new facts. When you read a e-book you will get new information because book is one of several ways to share the information or maybe their idea. Second, studying a book will make an individual more imaginative. When you looking at a book especially fictional works book the author will bring someone to imagine the story

how the characters do it anything. Third, you can share your knowledge to some others. When you read this Handbook of Scheduling: Algorithms, Models, and Performance Analysis, you are able to tell your family, friends as well as soon about your e-book. Your knowledge can inspire the others, make them reading a book.

Bruce Jackson:

In this era which is the greater man or who has ability to do something more are more precious than other. Do you want to become among it? It is just simple solution to have that. What you need to do is just spending your time very little but quite enough to get a look at some books. One of several books in the top collection in your reading list is actually Handbook of Scheduling: Algorithms, Models, and Performance Analysis. This book that is certainly qualified as The Hungry Hillside can get you closer in getting precious person. By looking up and review this publication you can get many advantages.

Download and Read Online Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson #ZEGHAJ5NFRS

Read Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson for online ebook

Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson books to read online.

Online Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson ebook PDF download

Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson Doc

Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson Mobipocket

Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson EPub

ZEGHAJ5NFRS: Handbook of Scheduling: Algorithms, Models, and Performance Analysis By Joseph Y-T. Leung, James H. Anderson