Scheduling Algorithms by Peter Brucker

Besides scheduling problems for single and parallel machines and shop scheduling problems, this book covers advanced models involving due-dates, sequence dependent changeover times and batching. Discussion also extends to multiprocessor task scheduling and problems with multipurpose machines. Among the methods used to solve these problems are linear programming, dynamic programming, branch-and-bound algorithms, and local search heuristics. The text goes on to summarize complexity results for different classes of deterministic scheduling problems.

My Personal Review:
The first thing that one can say about the book is that it is incredibly well-organized and presented. It presents the content in an ordered, logical fashion that is largely disappearing in books today, which cater to those who need to be amused (I call it distracted) while reading more than being focused on the content.

Once past the introduction, one quickly enters into the scientific presentation of theorems and proofs of various algorithms associated with scheduling jobs including single and parallel machines. Then we see a comprehensive dissertation of the various kinds of scheduling problems, each with informative and descriptive figures.

While this book has been superseded by more recent editions, one could only imagine how interesting it would be to spend a year studying under Brucker.

The only thing that I'd like to see added to this book is an About the Author as one becomes fascinated with the contents of the book, one naturally wants to know more about the mind behind it.

Excellently presented and very well organized with superb content. What else can one ask for in a CS book?
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