

Preface to the Fifth Edition

The text has been extended in various directions and underwent a fair amount of polishing. Chapter 3 now contains a new section that focuses on online scheduling in a single machine environment; it introduces a new rule, the so-called Weighted Round Robin (WRR) rule. Chapter 12 introduces for a parallel machine environment with machine eligibility constraints a preemptive rule that assigns at any point in time the Least Flexible Job to the Fastest Machine (LFJ-FM). Chapter 19 contains a certain amount of new material as well; a new section has been added that describes the ORTEMS scheduling system. The other chapters have undergone minor changes. The tables in Appendixes E, F, and G have been expanded in a meaningful way. A significant number of new references have been added in order to keep the book up to date.

The website for this book is still being maintained on the author's homepage at

<http://www.stern.nyu.edu/~mpinedo>

The intention is to keep this site up to date and include links to other sites that may be useful to instructors and to students.

Supplementary electronic material is still available for download from the author's homepage as well as from the Springer site

<http://extras.springer.com>

This supplementary electronic material is also included in the e-book version of this text.

A hardcopy of a solutions manual is still available from the author for instructors who adopt the book for teaching a course. The solutions provided in the manual have been prepared by Clifford Stein (Columbia University), Julius Atlason (Michigan), Jim Geelen (Waterloo), Natalia Shakhlevich (Leeds), Levent Tuncel (Waterloo), and Martin Savelsbergh (Georgia Tech).

I am very grateful to all my colleagues in academia who have gone over the new sections and have provided some very useful comments, including Arash Asadpour (NYU), Stefan Bock (Wuppertal), Leah Epstein (Haifa), Corinna Gottschalk (Aachen), Kangbok Lee (CUNY), Damien Prot (Nantes), Kirk Pruhs (Pittsburgh), Rhonda Righter (Berkeley), Leen Stougie (Amsterdam), Huiqiao Su (Shanghai Jiao Tong), and Guohua Wan (Shanghai Jiao Tong).

The technical production of the book, again, would not have been possible without the invaluable help from Adam Lewenberg at Stanford University and Donna Chernyk, Achi Dosanjh, and Ravi Shankar at Springer and Sarumathi Hemachandirane at SPi Global. The support of the National Science Foundation has, as always, been appreciated very much.

Summer 2015
New York

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