

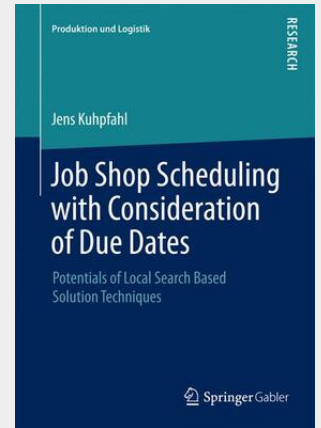
Kuhpfahl

Job Shop Scheduling with Consideration of Due Dates

Potentials of Local Search Based Solution Techniques

Jens Kuhpfahl analyzes the job shop scheduling problem with minimizing the total weighted tardiness as objective. First, he provides a suitable graph representation based on a disjunctive graph formulation. Second, several key components of local search procedures are analyzed and enhanced. The resulting outputs of these investigations contribute to the development of a new solution procedure whose performance quality leads to superior computational results.

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53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783658102913

Medium: Buch

ISBN: 978-3-658-10291-3

Verlag: Springer

Erscheinungstermin: 08.07.2015

Sprache(n): Englisch

Auflage: 2016

Serie: Produktion und Logistik

Produktform: Kartoniert

Gewicht: 2853 g

Seiten: 190

Format (B x H): 148 x 210 mm

