

1. Record Nr.	UNINA9910298506303321
Autore	Walter Matthias
Titolo	Multi-Project Management with a Multi-Skilled Workforce : A Quantitative Approach Aiming at Small Project Teams // by Matthias Walter
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer Gabler, , 2015
ISBN	3-658-08036-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (319 p.)
Collana	Produktion und Logistik
Disciplina	330 658.1 658.3 658.40301
Soggetti	Operations research Decision making Organization Planning Personnel management Operations Research/Decision Theory Human Resource Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Multi-Skilled Workers and Flexibility Design -- Project Selection, Workforce Assignment, and Utilization Leveling -- Optimization Models and Complexity Analysis -- Solution Methods and their Numerical Analysis.
Sommario/riassunto	This book covers three fundamental problems at the interface of multi-project management and human resource management: the selection of projects, the composition of small project teams, and workload leveling. Matthias Walter proposes optimization models and solution methods for these problems, assuming multi-skilled workers with heterogeneous skill levels. For the first time, the author presents exact and heuristic methods that support managers to form small teams.

Additionally, he outlines a new skill chaining strategy that increases workforce flexibility. Contents Multi-Skilled Workers and Flexibility Design Project Selection, Workforce Assignment, and Utilization Leveling Optimization Models and Complexity Analysis Solution Methods and their Numerical Analysis Target Groups Researchers and students in the field of business administration focusing on operations research and project management Human resource and project managers as well as software developers The Author Dr. Matthias Walter wrote his dissertation under the supervision of Prof. Dr. Jürgen Zimmermann at the Operations Research Group at Clausthal University of Technology. The Editors The series Produktion und Logistik is edited by Prof. Dr. Christian Bierwirth, Prof. Dr. Bernhard Fleischmann, Prof. Dr. Moritz Fleischmann, Prof. Dr. Martin Grunow, Prof. Dr. Hans-Otto Günther, Prof. Dr. Stefan Helber, Prof. Dr. Karl Inderfurth, Prof. Dr. Herbert Kopfer, Prof. Dr. Herbert Meyr, Prof. Dr. Katja Schimmelpfeng, Prof. Dr. Thomas S. Spengler, Prof. Dr. Hartmut Stadtler, Prof. Dr. Horst Tempelmeier and Prof. Dr. Gerhard Wäscher.
