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Titolo	Military Logistics : Research Advances and Future Trends // edited by Vasileios Zeimpekis, George Kaimakamis, Nicholas J. Daras
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-12075-1
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (180 p.)
Collana	Operations Research/Computer Science Interfaces Series, , 2698-5489 ; ; 56
Disciplina	623.76
Soggetti	Operations research Production management Computer simulation Operations Research and Decision Theory Operations Management Computer Modelling
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 at the end of each chapters and index.
Nota di contenuto	UAV Mission Planning from Robust to Agile -- Supplier Selection Procedure of Military Critical Items: Multivariate, Fuzze, Analytical Hierarchy Procedures -- The Proposal of Demand Estimation of Repairable Items for the Weapon Systems During the Initial Provisioning Period: F-16 Case Study -- A Combined Inventory and Lateral Re-Supply Model for Repairable Items - Part I: Modeling an Air Force Logistics Problem -- A Combined Inventory and Lateral Re-Supply Model for Repairable Items - Part II: Solution by Generalized Benders' Decomposition -- A Transportation Planning Tool for Supporting Military Actions in Natural Disaster Relief Operations -- Using Plane Tessellation Algorithms to Optimize Resource Allocation -- A Metaheuristic Reconstruction Algorithm for Solving Bi-level Vehicle Routing Problems with Backhauls for Army Rapid Fielding -- Reliability Study of Military Operations: Methods and Applications.
Sommario/riassunto	This book highlights recent advances in the development of effective modeling and solution approaches to enhance the performance of

military logistics. It seeks to further research in global defense-related topics, including military operations, governmental operations and security, as well as nation support. Additionally its purpose is to promote the global exchange of information and ideas amongst developers and users of military operations research tools and techniques. Over the course of its nine chapters, this edited volume addresses significant issues in military logistics including: a) Restructuring processes via OR methods aimed at improving the efficiency and effectiveness of the military logistics, b) Sense-and-Respond logistics prediction and coordination techniques that provide competitive advantage, spanning the full range of military operations across the strategic, operational and tactical levels of war, c) Procurement and auctioning, d) Inventory and stock control theories and applications, e) Military transport and logistical equipment, and, f) Maintenance, repair and overhaul on operational capability in general and equipment availability. The book aims to bridge the gap between the abundant literature on commercial logistics and its scarce defense and combat counterpart. This collection of useful insights into new trends and research will offer an ideal reference for practitioners and army related personnel interested in integrating scientific rigor to improve logistics management within defense organizations and agencies. Ultimately this book should provide a relevant platform for the latest contributions of operations management, operations research, and computational intelligence towards the enhancement of military logistics.
