

1. Record Nr.	UNINA9910389510503321
Titolo	2019 IEEE 20th International Conference on Computational Problems of Electrical Engineering (CPEE) // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	Piscataway, New Jersey : , : IEEE, , 2019
ISBN	1-7281-2810-2
Descrizione fisica	1 online resource : illustrations
Disciplina	621.30285
Soggetti	Electrical engineering - Data processing Engineering mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The main task of the Conference is the exchange of experience of scientists from central and eastern Europe in the area of modern mathematical methods of the analysis, optimisation and design approaches in the field of electrical engineering, including numerical methods, signal analysis, image recognition, circuit and field theory.

2. Record Nr.	UNINA9910299670403321
Autore	Laínez-Aguirre José Miguel
Titolo	Advances in Integrated and Sustainable Supply Chain Planning : Concepts, Methods, Tools and Solution Approaches toward a Platform for Industrial Practice // by José Miguel Laínez-Aguirre, Luis Puigjaner
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-10220-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (313 p.)
Disciplina	620 628 658.26 658.5 660.6
Soggetti	Engineering economics Engineering economy Production management Environmental engineering Biotechnology Energy efficiency Engineering Economics, Organization, Logistics, Marketing Operations Management Environmental Engineering/Biotechnology Energy Efficiency
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 and index.
Nota di contenuto	Introduction -- Financial Issues in the Design of Supply Chains -- Synchronizing Supply Chain Operations and Product Development Decisions -- Linking Marketing and Supply Chain Planning Models -- Flexible Design -- Planning of Supply Chain Networks -- Integrated Operations and Environmental Planning -- Considerations of Planning and Scheduling into the Design of Supply Chains -- Capturing Dynamics in Integrated Supply Chain Planning -- Using S-graph to

Decision making at the enterprise level often encompass not only production operations and product R&D, but other strategic functions such as financial planning and marketing. With the aim of maximizing growth and a firm's value, companies often focus on co-ordinating these functional components as well as traditional hierarchical decision levels. Understanding this interplay can enhance enterprise capabilities of adaptation and response to uncertainties arising from internal processes as well as the external environment. This book presents concepts, methods, tools and solutions based on mathematical programming, which provides the quantitative support needed for integrated decision-making and ultimately for improving the allocation of overall corporate resources (e.g., materials, cash and personnel). Through a systems perspective, the integrated planning of the supply chain also promotes activities of reuse, reduction and recycling for achieving more sustainable environmental impacts of production/distribution networks. Thus, this book presents, for the first time, a unique integrated vision of the Enterprise Supply Chain Planning and provides a comprehensive account of the state of the art models, methods and tools available to address the above mentioned features of the modern supply chain. It offers a comprehensive review of the associated literature of supply chain management and then systematically builds on this knowledge base to develop the mathematical models representing each of the core functional units and decision levels of the corporation and shows how they can be integrated into a holistic decision problem formulation. Abundant illustrations and tables help maximize reader insights into the problems discussed with several case studies and industry application also examined. This book is intended as a textbook for academics (PhD, MSc), researchers and industry decision-makers, who are involved in the design, retrofit and evaluation of alternative scenarios for the improvement of the supply chain.