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Titolo	Decision Models in Engineering and Management [[electronic resource] /] / edited by Patricia Guarnieri
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ISBN	3-319-11949-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (322 p.)
Collana	Decision Engineering, , 1619-5736
Disciplina	620.001171
Soggetti	Engineering economics Engineering economy Operations research Decision making Computer simulation Mathematical models Engineering Economics, Organization, Logistics, Marketing Operations Research/Decision Theory Simulation and Modeling Mathematical Modeling and Industrial Mathematics
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.
Nota di contenuto	Introduction -- Stochastic Cash Flow Management Models: A Literature Review since the 1980s -- Decision Models in Credit Risk Management -- A Review on the Dynamic Decision Models for Manufacturing and Supply Chain -- A Multi-criteria Decision Support System for Supplier Selection -- Decision Making Regarding Information Sharing in Partnerships with Suppliers -- Decision Model on Basic Sanitation Management using Environmental Kuznets Curve (EKC) -- The Impact of Environmental Regulation and some Strategies for Improving the Eco-efficiency of Brazilian Agriculture.
Sommario/riassunto	Providing a comprehensive overview of various methods and applications in decision engineering, this book presents chapters written by a range experts in the field. It presents conceptual aspects of

decision support applications in various areas including finance, vendor selection, construction, process management, water management and energy, agribusiness , production scheduling and control, and waste management. In addition to this, a special focus is given to methods of multi-criteria decision analysis. Decision making in organizations is a recurrent theme and is essential for business continuity. Managers from various fields including public, private, industrial, trading or service sectors are required to make decisions. Consequently managers need the support of these structured methods in order to engage in effective decision making. This book provides a valuable resource for graduate students, professors and researchers of decision analysis, multi-criteria decision analysis and group decision analysis. It is also intended for production engineers, civil engineers and engineering consultants.
