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Descrizione fisica	1 online resource (157 pages)
Collana	SpringerBriefs in Operations Management Series
Disciplina	658.7
Soggetti	Business logistics - Environmental aspects Emissions trading Production management - Environmental aspects
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Overview -- Production Planning and Cap-Setting under Cap-And-Trade Regulation Considering Differentiated Emission Trading Prices -- A Two-period Carbon Tax Regulation for Manufacturing and Remanufacturing Production Planning -- A Joint Analysis of the Environmental and Economic Performances of Closed-Loop Supply Chains Under Carbon Tax Regulation -- Does Implementing Trade-In and Green Technology Together Benefit the Environment? -- Coordination of A Supply Chain with An Online Platform Considering Green Technology in The Blockchain Era.
Sommario/riassunto	This book explores optimal decisions for companies and governments to build a sustainable supply chain and economy by applying analytical models from new perspectives. Taking differentiated carbon permit-buying and -selling prices into consideration, it investigates the optimal emission permit cap under the “cap-and-trade” regulation and discusses how to establish a two-period carbon tax scheme with a two-period planning horizon. Moreover, it examines how to balance the economic and environmental performances in a closed-loop supply chain, how to implement trade-in program when employing green technologies, and how to strategically use the blockchain technology to

improve the environmental performance of supply chain under the carbon tax policy. This book is written for students and researchers who are specialized in the field of operations management with a focus on environmental sustainability. It is also beneficial for specialists and executives at companies that are facing carbon emission regulation challenges, as well as government officials who develop the emission control policies.

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