

1. Record Nr.	UNINA9910829846403321
Titolo	A roadmap for enabling Industry 4.0 by artificial intelligence // edited by Jyotir Moy Chatterjee, Harish Garg and R. N. Thakur
Pubbl/distr/stampa	Hoboken, NJ : , : Wiley, , [2023] ©2023
ISBN	1-119-90514-1 1-119-90513-3 9781119904854
Descrizione fisica	1 online resource (339 pages)
Soggetti	Artificial intelligence - Industrial applications Industry 4.0
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Sommario/riassunto

A ROADMAP FOR ENABLING INDUSTRY 4.0 BY ARTIFICIAL INTELLIGENCE The book presents comprehensive and up-to-date technological solutions to the main aspects regarding the applications of artificial intelligence to Industry 4.0. The industry 4.0 vision has been discussed for quite a while and the enabling technologies are now mature enough to turn this vision into a grand reality sooner rather than later. The fourth industrial revolution, or Industry 4.0, involves the infusion of technology-enabled deeper and decisive automation into manufacturing processes and activities. Several information and communication technologies (ICT) are being integrated and used towards attaining manufacturing process acceleration and augmentation. This book explores and educates the recent advancements in blockchain technology, artificial intelligence, supply chains in manufacturing, cryptocurrencies, and their crucial impact on realizing the Industry 4.0 goals. The book thus provides a conceptual framework and roadmap for decision-makers for implementing this transformation. Audience Computer and artificial intelligence scientists, information and communication technology specialists, and engineers in electronics and industrial manufacturing will find this book very useful.
