
Ea Global Supply Chain Solutions

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Business and Environmental Sustainability IGI
Global

Blockchain and artificial intelligence (AI) in industrial internet of things is an emerging field of research at the intersection of information science, computer science, and electronics engineering. The radical digitization of industry coupled with the explosion of the internet of things (IoT) has set up a paradigm shift for industrial and manufacturing companies. There exists a need for a comprehensive collection of original research of the best performing methods and state-of-the-art approaches in this area of blockchain, AI, and the industrial internet of things in this new era for industrial and manufacturing companies.

Blockchain and AI Technology in the Industrial Internet of Things compares different approaches to the industrial internet of things and explores the direct impact blockchain and AI technology have on the betterment of the human life. The chapters provide the latest advances in the field and provide

insights and concerns on the concept and growth of the industrial internet of things. While including research on security and privacy, supply chain management systems, performance analysis, and a variety of industries, this book is ideal for professionals, researchers, managers, technologists, security analysts, executives, practitioners, researchers, academicians, and students looking for advanced research and information on the newest technologies, advances, and approaches for blockchain and AI in the industrial internet of things.

Dynamic Supply Chain Alignment IGI
Global

As generative AI rapidly advances with the field of artificial intelligence, its presence poses significant ethical, security, and data management challenges. While this technology encourages innovation across various industries, ethical concerns

regarding the potential misuse of AI-generated content for misinformation or manipulation may arise. The risks of AI-generated deepfakes and cyberattacks demand more research into effective security tactics. The supervision of datasets required to train generative AI models raises questions about privacy, consent, and responsible data management. As generative AI evolves, further research into the complex issues regarding its potential is required to safeguard ethical values and security of people's data. **Generative AI and Implications for Ethics, Security, and Data Management** explores the implications of generative AI across various industries who may use the tool for improved organizational development. The security

and data management benefits of generative AI are outlined, while examining the topic within the lens of ethical and social impacts. This book covers topics such as cybersecurity, digital technology, and cloud storage, and is a useful resource for computer engineers, IT professionals, technicians, sociologists, healthcare workers, researchers, scientists, and academicians.

Global Applications of Pervasive and Ubiquitous Computing IGI Global

This book focuses on supply chain management in emerging markets. The authors present issues relating to supply chain development covering countries

such as Brazil, China, the Czech Republic, Russia, Indonesia, Malaysia, Nepal, Turkey, Egypt and South Africa and focuses on the challenges faced when the supply chain is designed and maintained. Such challenges derive from issues to do with risk, security, quality management and infrastructure among others. Case studies and survey results are presented in chapters which explore practical solutions to these issues. The latter will be of interest not only to local and international managers, but also to students who are interested in emerging economies. The book covers

manufacturing, retail and food chains at the local and international levels.

Global Production Management Springer

"This book provides insights and supports executives, middle managers and practitioners concerned with the management of supply chain with expertise, knowledge, information and organizational management development in different types of industries"--Provided by publisher.

Supply Chain Management Strategies and Methodologies CRC Press

"This book has compiled chapters from experts from around the world in the field of supply chain management and provides a vital compendium of the latest research, case studies, frameworks, methodologies, architectures, and best practices within the field of supply chain management"--Provided by publisher.

Problems & Solutions in Inventory Management

Springer Nature

In the quest to remove supply channel costs, streamline channel communications, and link customers to the value-added resources found along the supply chain continuum, Supply Chain Management (SCM) has emerged as a tactical operations tool. The first book to completely define the architecture of the merger of SCM and the Internet, Introduction to e

Advances in Computational Intelligence in Transport, Logistics, and Supply Chain Management IGI Global

Evaluating the role of logistics and supply chain management skills or applications is necessary for the success of any organization or business. As market competition becomes more aggressive, it is crucial to evaluate ways in which a business can maintain a strategic

edge over competitors. The Handbook of Research on Information Management for Effective Logistics and Supply Chains highlights strategies, tools, and skills necessary for supply management within organizations and companies. Featuring best practices and empirical research within the field, this handbook is a critical reference source for scholars, practitioners, researchers, information systems and telecommunication specialists, and managers.

E-Logistics and E-Supply Chain Management CRC Press

"This book is about achieving organizational synergy in an era of business which is rapidly moving towards electronic collaboration, providing clear definition of the next phase of this collaborative evolution of the Internet"--Provided by publisher.

Handbook of Research on Information

Management for Effective Logistics and Supply Chains Springer Nature

"This book explores the creation of integrated supply chains, the developments of virtual business, and the processes of re-engineering for business development"--Provided by publisher.

Handbook of Research on Industrial Applications for Improved Supply Chain Performance IGI Global

The book explores cost-effective and efficient supply chain management to achieve resilience in the post-COVID environment. Qualitative, quantitative, case studies, and systematic literature reviews are made in the book. The book follows a didactic approach through which it informs global researchers and practitioners to deal with the most significant insights on future supply chains

with a more in-depth analysis of post-COVID opportunities and challenges. In particular, this book provides an in-depth assessment of disruptive supply chain management in certain industrial contexts and explores various Industry 4.0 and Industry 5.0 technologies to achieve resilience. The book is used as a supplemental textbook for study within university level programs, at late undergraduate and graduate levels, in faculties of business and management, engineering systems, information systems, education, and computing.

Strategic Information Systems: Concepts, Methodologies, Tools, and Applications Elsevier

This book contains original and fundamental research papers in the following areas:

engineering technologies for precision agriculture, agricultural systems management and digitalization in agriculture, logistics in agriculture, and other topics. Selected materials of the largest regional scientific event—INTERAGROMASH 2021 conference – included in this book present the results of the latest research in the areas of precision agriculture and agricultural machinery industry. The book is aimed for professionals and practitioners, for researchers, scholars, and producers. The materials presented here are used in the educational process at specific agricultural universities or during vocational training at enterprises and become an indispensable helper to farm managers in making the best agronomic decisions. The book is also useful

for representatives of regional authorities, as it gives an idea of existing high-tech solutions for agriculture.

Applications of New Technology in Operations and Supply Chain Management Routledge
The International Data Corporation (IDC) has unveiled a series of transformative predictions to reshape operations and supply chain management, leading companies to re-assess their processes. Applications of New Technology in Operations and Supply Chain Management offers an in-depth exploration of how emerging technologies are positioned to revolutionize the way businesses execute and coordinate their operations. The book delves into the adoption of digital technologies, the shift to cloud technology, and the emergence of real-time operational insights that can be accessed from anywhere. For instance, 2026 ushers in integrating digital tools

for measuring carbon footprints and the increased use of robots in unconventional domains, such as remote inspection and maintenance. By 2027, augmented reality technology will take center stage, reducing operator and field worker errors. Furthermore, remote operations embrace satellite-based artificial intelligence or machine learning technologies, revolutionizing data collection and analysis at the edge.

Industry 4.0 and Global Businesses Springer

Recent news events related to quality in global supply chains have called attention to the need for more research on supply chains that operate in a global context. Indeed, it would be difficult to find a supply chain that does not cut across national boundaries at some point. The presence of global supply chains introduces a number of new management challenges. *Managing Global Supply Chain Relationships: Operations, Strategies and Practices* focuses on issues related to relationships among members of global

supply chains. This comprehensive work addresses three important aspects of global supply chain relationships: supply chain integration and collaboration; outsourcing and offshoring of production; and recent growth in supplier networks. *Technological Solutions for Modern Logistics and Supply Chain Management* IGI Global This book covers IoT and Big Data from a technical and business point of view. The book explains the design principles, algorithms, technical knowledge, and marketing for IoT systems. It emphasizes applications of big data and IoT. It includes scientific algorithms and key techniques for fusion of both areas. Real case applications from different industries are offering to facilitate ease of understanding the approach. The book goes on to address the significance of security algorithms in combining IoT and big data which is currently evolving in communication technologies. The book is written for researchers, professionals, and academicians from interdisciplinary and transdisciplinary areas. The

readers will get an opportunity to know the conceptual chain perspective. The book discusses the ideas with step-by-step pragmatic examples which makes ease of understanding no matter the level of the reader.

Collaborative Business Process Engineering and Global Organizations: Frameworks for Service Integration IGI Global

Blockchain and Supply Chain Management combines discussions of blockchain and supply chains, linking technologies such as artificial intelligence, Internet of Things, satellite imagery, and machine vision. The book examines blockchain's basic concepts, relevant theories, and its roles in meeting key supply chain objectives. The book addresses problems related to inefficiency, opacity, and fraud, helping the digitization process, simplifying the value creation process, and facilitating collaboration. The book is balanced between blockchain and supply chain application and theory, covering the latest technological, organizational and regulatory developments in blockchain from a supply chain perspective. The book discusses the opportunities, barriers, and enablers of blockchain in supply chain policy, along with legal and ethical implications. Supply chain management faces massive disruption with the dynamic changes in global trade, the impact of Covid-19, and technological innovation. Entire industries are also being transformed by blockchain, with some of the most promising applications in supply chain management. - Provides theoretical and practical insights into both blockchain and supply chains - Features numerous illustrative case studies, boxes, tables, and figures - Examines blockchain's impacts on supply chains in four key industries: Food and beverage, healthcare, pharmaceuticals, and finance

Securing IoT and Big Data Springer Nature

As developed economies enter a period of slower growth, emerging economies such as India have become prime examples of how more can be achieved with less. Bringing

together experience and expertise from across the healthcare industry, this book examines innovations that can bring about real advances in the healthcare industry. Innovations in H
Generative AI and Implications for Ethics, Security, and Data Management IGI Global

The way organizations manage their value chain has changed dramatically over the past decade. Today, organizations take account of economic issues, but they also adopt a broader perspective of their purpose including social and environmental issues. Yet despite its global spread, sustainable value chain management remains an uncertain and poorly defined ambition, with few absolutes. The social and environmental issues that organizations should address easily can be interpreted as including virtually everything. Current literature on the topic seeks to understand the effects and management of initiatives dealing with diversity, human rights, safety, philanthropy, community, and environment. However, the penetration of social and

environmental considerations into value chain management is described as 'desire lacking reality' thereby making the idea a patchy success. The objective of this research anthology is to investigate different angles of sustainable value chain management. The book's 27 chapters fill holes and explore new fields; the chapters are organised in five sections: Sustainable value chains - context, drivers, and barriers; Sustainable value chains - managing activities; Sustainable value chains - managing networks and collaboration; Sustainable value chains - integrative perspectives; and Sustainable value chains - specific sectorial and industry perspectives.

Applied AI and Multimedia Technologies for Smart Manufacturing and CPS Applications IGI Global

The Digital Supply Chain is a thorough investigation of the underpinning technologies, systems, platforms and models that enable the design, management, and control of digitally

connected supply chains. The book examines the origin, emergence and building blocks of the Digital Supply Chain, showing how and where the virtual and physical supply chain worlds interact. It reviews the enabling technologies that underpin digitally controlled supply chains and examines how the discipline of supply chain management is affected by enhanced digital connectivity, discussing purchasing and procurement, supply chain traceability, performance management, and supply chain cyber security. The book provides a rich set of cases on current digital practices and challenges across a range of industrial and business sectors including the retail, textiles and clothing, the automotive industry, food, shipping and international logistics, and SMEs. It concludes with research frontiers, discussing network science for supply chain analysis, challenges in Blockchain applications and in

digital supply chain surveillance, as well as the need to re-conceptualize supply chain strategies for digitally transformed supply chains. Blockchain and AI Technology in the Industrial Internet of Things Springer Nature
Environmental sustainability is increasingly important to organisations, whether for regulatory, financial or ethical reasons. Business and Environmental Sustainability looks at the environmental aspect of sustainability for all organisations pursuing competitive advantage. The book provides theoretical foundations from science, economics, policy and strategy, introduces three environmental challenges (climate change, pollution and waste) and looks at how corporate functions can address these. This textbook provides a thorough foundation by introducing readers to the science, reasoning and theory behind environmental sustainability and then delves into how these ideas translate into principles and business models for organisations to use. Next, it covers environmental challenges from climate

change, pollution and waste, and then goes on to examine the different corporate functions (from supply chain management to human resources) to illustrate how environmental sustainability is managed and put into practice in organisations. Finally, a set of integrative case studies draws everything together and enables the reader to apply various analytical tools, with the aim of understanding how companies can not only reduce their environmental footprint but can positively contribute to environmental sustainability. Written by an award-winning lecturer, *Business and Environmental Sustainability* boasts a wealth of pedagogical features, including examples from a range of industries and countries, plus a companion website with slides, quiz questions and instructor material. This will be a valuable text for students of business, management and environmental sustainability and will also be suitable for broader courses on corporate responsibility and sustainability across environmental studies, political science and engineering.

[Blockchain and Supply Chain Management](#) IGI

Global

Just like the world financial system, but for different reasons, 21st-century corporations need a new business model for their enterprise supply chains. The old conventions no longer work in this new world of volatile and increasingly unpredictable demand and supply. The enterprise needs to become more 'connected' to its own parts, as well as its partners up and down the chains it participates in. So too, we need to embrace new ways of looking at customers to gain deeper, more insightful impressions of what they are telling us about the way they want to buy our products and services. Finally, these signals need converting into corresponding action, driven by the people in the business, leaders and staff alike, who are aligned to their customers' wishes. This is the world of dynamic supply chain alignment where, increasingly, supply chains are the business. In the follow-up to his hugely successful *Strategic Supply Chain Alignment*, John Gattorna's *Dynamic Supply Chain Alignment*, explores how to create and sustain multiple supply

chains with a level of flexibility and responsiveness that allow you to respond to opportunities and threats; at the same time aligning with your suppliers, your partners and your customers. When more executives get to this stage of development the profits will flow more readily, and sustainability of performance will not be the same issue it is today. The way forward is right there in front of us; but, says John Gattorna, we must throw off old ways and embrace the new.