

This edited book discusses lean production as a suitable platform for global development by developing systems and products in a quicker, costless and sustainable way and educate people for a lean consumption. Lean thinking principles are totally and synergistically aligned with a lot of disciplines and current issues such as logistic, supply chain, construction, healthcare, ergonomics, education, project management, leadership, coaching, startup, product development, farming and sustainable development. Lean-Green is particularly related to this last issue, sustainable development, the first global challenge for humanity that are totally connected to all remaining 14 global challenges because they are interdependent. Attaining these challenges could bring solutions for the 17 Sustainable Development Goals. Lean Production and Consumption have an important role in providing these solutions, by systematically reducing wastes in all activities performed, and at the same time, instruct people in having a lean consumption. The target audience primarily comprises research experts in lean management, but the book may also be beneficial for practitioners alike.

International Academic Conference on Global Education, Teaching and Learning International Academic Conference on Management, Economics, Business and Marketing International Academic Conference on Engineering, Transport, IT and AI

This book covers the latest development of bioprocess technology including theoretical, numerical, and experimental approaches in biotechnology as well as green technology that bridge conventional practices and Industry 4.0. Bioprocessing is one of the key factors in several emerging industries of biofuels, used in the production of biogas, bioethanol, and biodiesel; industrial enzymes; waste management through biotechnology; new vaccines; and many more. It is hoped that the novel bioprocess and green biotechnologies presented in this book are useful in assisting the global community in working towards fulfilling the Sustainable Development Goals (SDG) of the United Nations.

This book examines key issues, challenges, opportunities and trends in innovation processes and supply chain management. It proposes ways for organizations to improve their performance by developing business strategies, establishing business innovation activities, and aligning business and innovation activities among firms. Further, it showcases and analyzes the implementation of inter- and intra-organizational process improvement activities and the implementation of organizational innovation solutions to address new product and process-related collaborative relationships across the supply chain. The book is useful for researchers, academics and professionals, presenting some of the most advanced research, concepts, and case studies on the relationship between innovation and supply chain.

Virtual International Academic Conference in Venice 2020

Befindet sich ein Automobilzulieferer in einer akuten Krise, stehen den Herstellern drei grundlegende Handlungsstrategien zur Verfügung: Support, Sale und Shift. Alexander Jaroschinsky untersucht, welche Bedeutung die Hersteller und sonstigen Stakeholder im Krisenprozess eines Zulieferers spielen, welche strategischen Handlungsoptionen den Herstellern im Rahmen dieses Prozesses zur Verfügung stehen und ob es eine übergeordnete Logik gibt, nach der die verschiedenen Handlungsoptionen im konkreten Krisenfall Anwendung finden. Es wird gezeigt, dass alle Handlungsstrategien der Automobilhersteller neben der Sicherstellung der Teileversorgung auf eine differenzierte Modellierung der Zuliefererlandschaft abzielen.

This open access book constitutes the proceedings of the 19th International Conference on Agile Software Development, XP 2018, held in Porto, Portugal, in May 2018. XP is the premier agile software development conference combining research and practice, and XP 2018 provided a playful and informal environment to learn and trigger discussions around its main theme – make, inspect, adapt. The 21 papers presented in this volume were carefully reviewed and selected from 62 submissions. They were organized in topical sections named: agile requirements; agile testing; agile transformation; scaling agile; human-centric agile; and continuous experimentation.

Macrotrend of our present: instructions for use. We live in the age of endless change. Technological innovations are profoundly and irreversibly affecting our everyday life. Progress seems somehow to subvert individual and collective parameters in such a way that often we tend to ask ourselves what we can do for machines more than what they can do for us. In these pages the author shares a participating and curious gaze to the deep changes of our times, with the ongoing tension to draw together the scattered pieces of information left by our uncertain present and to gain new keys to interpretation. From the new technologies of AI and ubiquitous computing to the growing issues of international security, from the so called Fourth Industrial Revolution to the new paradigm of the sharing economy, from the role of the technological mammoths in the new world order to the changes in the labour market and the increasing societal inequality: a bunch of burning issues are here addressed both with intellectual commitment and conversational levity, with the aim to foster public debate and awareness and to help present day and future leaders to shape new policies, both at business and governmental level.

Over the past 25 years, the regional innovation system (RIS) approach has become a powerful framework for explaining the uneven geographical distribution of innovation in space as well as for developing policies geared towards boosting the innovation capability of regional economies. This Advanced Introduction provides a critical review and discussion of research on RIS to answer a set of core questions covering the origins of the concept and its theoretical underpinnings to the challenges for future scholarly work on RIS.

Heavy industrialization in the past few decades has caused several global environmental issues including poor air quality, climate change, and outdoor air pollution-related diseases. As such, consumer pressure coupled with strict governmental policies have influenced firms to adopt and implement green practices in their supply chain and business operations in order to improve socio-environmental sustainability. Global Perspectives on Green Business Administration and Sustainable Supply Chain Management is an essential reference book that discusses innovative green practices including recycling, remanufacturing, reduction in waste and adoption of renewable energy in manufacturing. It also examines environmentally friendly policies that have been adopted by many European and Western countries. Featuring coverage on a broad range of topics such as energy analysis, environmental protections, and logistics development, this book is ideally designed for managers, operations managers, executives, manufacturers, environmentalists, researchers, industry practitioners, academicians, and students.

This book features both cutting-edge contributions on managing knowledge in transformational contexts and a selection of real-world case studies. It analyzes how the disruptive power of digitization is becoming a major challenge for knowledge-based value creation worldwide, and subsequently examines the changes in how we manage information and knowledge, communicate, collaborate, learn and decide within and across organizations. The book highlights the opportunities provided by disruptive renewal, while also stressing the need for knowledge workers and organizations to transform governance, leadership and work organization. Emerging new business models and digitally enabled co-creation are presented as drivers that can help establish new ways of managing knowledge. In turn, a number of carefully selected and interpreted case studies provide a link to practice in organizations.

This book offers an introduction to the ripple effect in the supply chain for a broad audience comprising recent developments. The chapters of

this handbook are written by leading experts in supply chain risk management and resilience. For the first time, the chapters present in their synergy a multiple-faceted view of the ripple effect in supply chains, while considering organization, optimization, and informatics perspectives. Ripple effect describes the impact of a disruption propagation on supply chain performance, structural designs and operational parameters. The ripple effect manifests when the impact of a disruption cannot be localized and cascades along the supply chain. The resulting structural dynamics can lead to capacity and demand fulfilment downscaling and negatively influence the firm's financial and operational performance. The book delineates major features of the ripple effect and methodologies to mitigate the adverse impact of supply chain disruption propagation and to recover in case of severe disruptions. The book provides fresh insights for supply chain management and engineering regarding the following questions: - In what circumstance does one failure cause other failures? - Which structures of the supply chain are especially susceptible to the ripple effect? - What are the typical ripple effect scenarios and what are the most efficient ways to respond them? Distinctive Features: • It considers ripple effect in the supply chain from an multi-disciplinary perspective• It offers an introduction to ripple effect mitigation and recovery policies in the framework of disruption risk management in supply chains for a broad audience• It integrates management and engineering perspectives on disruption risk management in the supply chain• It presents innovative optimization and simulation models for real-life management problems• It considers examples from both industrial and service supply chains• It reveals decision-making recommendations for tackling disruption risks in the supply chain in proactive and reactive domains.

Viviamo un'epoca di cambiamento continuo, caratterizzata da innovazioni tecnologiche che incidono in maniera profonda e irreversibile sulla vita quotidiana di tutti. Il progresso tecnologico appare infatti così capace di sconvolgere i parametri dell'individuo e della collettività da rovesciare l'interrogativo su cosa l'uomo possa fare delle macchine in cosa le macchine possano fare dell'uomo. In questo libro il lettore può condividere uno sguardo curioso e partecipe alle trasformazioni in atto, cercando di arrivare a una sintesi di pensiero, di ottenere nuove chiavi interpretative. I molti temi trattati rappresentano i principali macrotrend socio-economici e socio-politici del momento: dalle nuove tecnologie alla sicurezza internazionale, dalla quarta rivoluzione industriale al nuovo paradigma economico della sharing economy, dai colossi sovranazionali della new economy alle trasformazioni del mercato del lavoro e alle crescenti disuguaglianze sociali. Ecco allora uno spunto di riflessione, una provocazione intellettuale che, da un lato, si propone di stimolare il confronto e di aggregare le idee e, dall'altro lato, rappresenta il tentativo di coinvolgere i leader presenti e futuri invitandoli ad assumersi l'arduo compito di incentivare, far crescere ed ampliare il dibattito pubblico intorno ai temi fondanti dell'oggi, e di individuare percorsi possibili a servizio delle scelte politiche, aziendali e personali dei prossimi anni. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 10.0px Arial} p.p2 {margin: 0.0px 0.0px 0.0px 0.0px; font: 10.0px Arial; min-height: 11.0px} p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 10.0px Arial} p.p2 {margin: 0.0px 0.0px 0.0px 0.0px; font: 10.0px Arial; min-height: 11.0px}

This paper introduces an original multicriteria decision-making Pairwise-CODAS model in which the modification of the CODAS method was made using Linguistic Neutrosophic Numbers (LNN). The paper also suggests a new LNN Pairwise (LNN PW) model for determining the weight coefficients of the criteria developed by the authors.

Multinationale Automobilunternehmen stehen heute vor ihrem größten Umbruch mit tiefgreifenden und diskontinuierlichen Veränderungen, ausgelöst durch vier globale Umfeldtrends: die Ausdifferenzierung der Mobilitätsnachfrage und der Antriebstechnologien, die Digitalisierung sowie den Druck der Kapitalgeber auf eine Verringerung des Kapitaleinsatzes im traditionellen Geschäft. Dieser Umbruch wird nicht abrupt erfolgen, sondern langfristig. Damit erhöht er für multinationale Automobilunternehmen die Unsicherheit und die Komplexität. Dieses Buch zeigt für multinationale Automobilunternehmen, die vor diesem Umbruch stehen, Ansätze im Umgang mit Unsicherheit und Komplexität und betrachtet dazu die Herausforderungen im Umfeld, Geschäftsmodelle und die Steuerung ausländischer Tochtergesellschaften. Dabei geht es um die Ablösung von traditionellen durch neue, innovative Geschäftsmodelle aufgrund von Elektromobilität und Digitalisierung, um die Verringerung von Zielkonflikten zwischen einer stärker länderspezifischen und einer eher länderübergreifenden Steuerung und das notwendige Zusammenspiel von Strategie und Steuerung in Zeiten des Umbruchs.

The two-volume set IFIP AICT 535 and 536 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2018, held in Seoul, South Korea, in August 2018. The 129 revised full papers presented were carefully reviewed and selected from 149 submissions. They are organized in the following topical sections: lean and green manufacturing; operations management in engineer-to-order manufacturing; product-service systems, customer-driven innovation and value co-creation; collaborative networks; smart production for mass customization; global supply chain management; knowledge based production planning and control; knowledge based engineering; intelligent diagnostics and maintenance solutions for smart manufacturing; service engineering based on smart manufacturing capabilities; smart city interoperability and cross-platform implementation; manufacturing performance management in smart factories; industry 4.0 - digital twin; industry 4.0 - smart factory; and industry 4.0 - collaborative cyber-physical production and human systems.

In recent decades, the rapid expansion of trade and investment among developing countries has resulted in a scenario wherein firms from developing countries account for an increasing share of capital, goods, and wealth in the global economy. Industry leaders from developing countries have observed that firms in developing countries need to identify and develop key supply chain capabilities in order to succeed in emerging markets. It is argued that customers in emerging markets are likely to have different needs and supply chain expectations as compared to customers in developed economies. Reaching into these emerging markets, understanding the customer diversity, and translating it into effective segmentation schemes are critical for the efficient design of supply chain operations. Leadership Strategies for Global Supply Chain Management in Emerging Markets is a pivotal reference source that provides vital research on creating efficient supply chain operations in emerging markets. While highlighting topics such as consumer behavior, global operations, and information transparency, this publication investigates the needs of consumers in emerging markets as well as the methods of designing effective operations. This book is ideally designed for supply chain managers, logistics managers, operations and warehousing professionals, industry practitioners, academicians, students, and researchers.

The five-volume set IFIP AICT 630, 631, 632, 633, and 634 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2021, held in Nantes, France, in September 2021.* The 378 papers presented were carefully reviewed and selected from 529 submissions. They discuss artificial intelligence techniques, decision aid and new and renewed paradigms for sustainable and resilient production systems at four-wall factory and value chain levels. *The conference was held online.

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