

Lean Green And Resilient Practices In Uence On Supply

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[Lean and Green Supply Chain Management](#) - Turan Paksoy 2018-11-11
This book presents the latest developments in optimization and optimal control models; exact, approximate and hybrid methods; and their applications in lean and green supply chains. It examines supply chain network design and modeling, closed loop supply chains, and lean, green, resilient and agile or responsive networks, and also discusses corporate social responsibility and occupational health and safety. It particularly focuses on supply chain management under uncertainty – employing stochastic or nonlinear modeling, simulation based studies and optimization – multi-criteria decision-making and applications of fuzzy set theory, and covers various aspects of supply chain management such as risk management, supplier selection or the design of automated warehouses. Lastly, using experimental applications and practical case studies, it shows the impact of lean and green applications on vehicle/fleet management and operations management.

[Sustainable Supply Chain Management](#) - Evelin Krmac 2016-06-30
The book is a collection of studies dedicated to different perspectives of three dimensions or pillars of the sustainability of supply chain and supply chain management - economic, environmental, and social - and other aspects related to performance evaluation, optimization, and modelling of and for sustainable supply chain management, and thus

presents another valuable contribution to sustainable development and sustainable way of life.

CLC 2018: Carpathian Logistics Congress -

Proceedings of the Eleventh International Conference on Management Science and Engineering Management - Jiuping Xu 2017-06-27

This book is organized in 2 volumes and 6 parts. Part I is Big Data Analytics, which is about new advances of analysis, statistics, coordination and data mining of big data; Part II is Information Systems Management, which is about the development of big data information system or cloud platform. Part III is Computing Methodology with Big Data, which is about the improvements of traditional computation technologies in the background of big data; Part IV is Uncertainty Decision Making, which is about the decision making methods with various uncertain information, such as fuzzy, random, rough, gray, unascertained. Part V is Intelligence Algorithm. Part VI is Data Security, which is a particularly important aspect in the modern management environment.

Strategic Management of Sustainable Manufacturing Operations - Dubey, Rameshwar 2016-05-11

As companies and organizations continue to grow economically, it has become pertinent to also implement business and management practices that help relieve environmental and social stressors created by manufacturing processes. Strategic Management of Sustainable Manufacturing Operations features an inclusive overview of various management practices that contribute to the sustainability efforts of an organization. Highlighting successful techniques being implemented and utilized by different companies, this publication is an essential reference source for researchers, academics, consultants, policy makers, and practitioners interested in sustainable performance measurement, supply chain design, and operations management.

Proceedings of the Seventh International Conference on Management Science and Engineering Management - Jiuping Xu 2013-09-25

This book presents the proceedings of the Seventh International Conference on Management Science and Engineering Management (ICMSEM2013) held from November 7 to 9, 2013 at Drexel University, Philadelphia, Pennsylvania, USA and organized by the International Society of Management Science and Engineering Management, Sichuan University (Chengdu, China) and Drexel University (Philadelphia, Pennsylvania, USA). The goals of the Conference are to foster international research collaborations in Management Science and Engineering Management as well as to provide a forum to present current research findings. The selected papers cover various areas in management science and engineering management, such as Decision Support Systems, Multi-Objective Decisions, Uncertain Decisions, Computational Mathematics, Information Systems, Logistics and Supply Chain Management, Relationship Management, Scheduling and Control, Data Warehousing and Data Mining, Electronic Commerce, Neural Networks, Stochastic Models and Simulation, Fuzzy Programming, Heuristics Algorithms, Risk Control, Organizational Behavior, Green Supply Chains, and Carbon Credits. The proceedings introduce readers to novel ideas on and different problem-solving methods in Management Science and Engineering Management. We selected excellent papers from all over the world, integrating their expertise and ideas in order to

improve research on Management Science and Engineering Management.

Advanced Methodologies and Technologies in Business Operations and Management - Khosrow-Pour, D.B.A., Mehdi
2018-09-14

Businesses consistently work on new projects, products, and workflows to remain competitive and successful in the modern business environment. To remain zealous, businesses must employ the most effective methods and tools in human resources, project management, and overall business plan execution as competitors work to succeed as well. Advanced Methodologies and Technologies in Business Operations and Management provides emerging research on business tools such as employee engagement, payout policies, and financial investing to promote operational success. While highlighting the challenges facing modern organizations, readers will learn how corporate social responsibility and utilizing artificial intelligence improve a company's culture and management. This book is an ideal resource for executives and managers, researchers, accountants, and financial investors seeking current research on business operations and management.

Enterprises' Green Growth Model and Value Chain Reconstruction - Nengmin Wang 2022-10-11

The goal of this book is to improve the ability of enterprises to implement the green growth model and value chain reconstruction. China's environmental development strategies, such as carbon peak emission and carbon neutrality, have created new challenges and requirements for enterprises to "go green." In addition, anti-globalization and the complex dynamic uncertainty caused by COVID-19 have changed the operational environment that enterprises face. The application of new technologies, including the new generation of information technologies and the whole process management technology, provides solutions for the implementation of enterprises' green growth model and value chain reconstruction. Based on China's enterprise management cases, this book reveals the connotative features of enterprises' green growth model and their evolutionary regularities, the overall framework and decision

optimization of value chain reconstruction under the green growth model, and the approach to implementing the green growth model and value chain reconstruction. The theoretical framework of the green growth model and value chain reconstruction established in this book has enriched and developed the research results in this field. Cases of enterprises implementing the green growth model can provide references for the green transformation of enterprises and help enterprises appreciate the synergy between sustainability and growth. This book can also serve as a research reference for scholars engaged in the field of sustainable operations, as well as decision-makers and managers of relevant government departments.

Lean Engineering for Global Development - Anabela Carvalho Alves
2019-03-16

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.

A Hybrid Neutrosophic-Grey Analytic Hierarchy Process Method: Decision-Making Modelling in Uncertain Environments - Amin Vafadarnikjoo

The analytic hierarchy process (AHP) is recognised as one of the most

commonly applied methods in the multiple attribute decision-making (MADM) literature. In the AHP, encompassing uncertainty feature necessitates using suitable uncertainty theories, since dealing efficiently with uncertainty in subjective judgements is of great importance in real-world decision-making problems. The neutrosophic set (NS) theory and grey systems are two reliable uncertainty theories which can bring considerable benefits to uncertain decision-making. The aim of this study is to improve uncertain decision-making by incorporating advantages of the NS and grey systems theories with the AHP in investigating sustainability through agility readiness evaluation in large manufacturing plants.

Sustainable Manufacturing - S. Vinodh 2020-10-26

Sustainability enables the development of products with minimal environment impact coupled with economical and societal benefits. This book provides an understanding of theoretical and practical perspectives pertaining to Sustainable manufacturing. This book focuses on fundamentals, providing insights, concepts, tools, methods, case studies, and practical perspectives taken from research. The book will be of interest to students, researchers and industry practitioners.

Education for Sustainable Development Goals - Rieckmann, Marco
2017-03-20

Essays on Sustainability and Management - Runa Sarkar 2017-05-25

This book offers a comprehensive overview of sustainability and management in India and through its insightful essays highlights the complex and multifaceted nature of sustainability as a concept. It also demonstrates the debates surrounding the concept of sustainability and its ramifications for ground-level practice in managing organisations and for public policy. The contributions from sustainability enthusiasts, practitioners from disparate fields and academics working at the Indian Institute of Management Calcutta, have been divided into five themes: (1) sustainability as a normative concept; (2) sustainability concept at the global level, (3) sustainability practices in Indian organisations and consumer behaviour; (4) sustainability, corporate governance and

corporate social responsibility and (5) sustainability: a critique of organisational practice and government regulation. The themes reflect both new and continuing issues confronting management in the country today. Examples and in-depth studies make it relevant to the grounded reality in India. The expertise and experience of the contributors ensure that readers are left with a grasp of our current understanding of how sustainability is related to society and business, the direction this understanding will take in the future.

Handbook on the Sustainable Supply Chain - Joseph Sarkis 2019

Supply chain management has long been a feature of industry and commerce but, with increasing demands from consumers, producers are spending more time and money investing in ways to make supply chains more sustainable. This exemplary Handbook provides readers with a comprehensive overview of current research on sustainable supply chain management.

Lean Management Beyond Manufacturing - Sanjay Bhasin

2015-04-20

Exploring Lean manufacturing in a holistic manner, this book helps organizations to implement Lean principles successfully by offering theoretical, empirical and practical knowledge. It empirically demonstrates how a successful Lean initiative can improve organizational efficiency, and incorporates valuable primary research to substantiate findings. It argues that Lean principles need to be applied throughout the value chain in order to be successful, and suggests that these tools need to be aligned with culture and change management. Chapters examine issues including Lean cultures, impediments to Lean, Lean and performance measurement, and the impact of Lean. Viewing Lean as a never-ending journey, this book provides a valuable resource to practising Lean managers, and specialist researchers and students, and also offers an important reference for organizations embarking on their Lean voyage.

Food Science, Production, and Engineering in Contemporary Economies - Jean-Vasile, Andrei 2016-05-12

As the population of the world continues to surge upwards, it is apparent

that the global economy is unable to meet the nutritional needs of such a large populace. In an effort to circumvent a deepening food crisis, it is pertinent to develop new sustainability strategies and practices. *Food Science, Production, and Engineering in Contemporary Economies* features timely and relevant information on food system sustainability and production on a global scale. Highlighting best practices, theoretical concepts, and emergent research in the field, this book is a critical resource for professionals, researchers, practitioners, and academics interested in food science, food economics, and sustainability practices.

Recent Advances in Industrial Production - Rajeev Agrawal 2021-11-02

This book presents the select proceedings of the International Conference on Evolution in Manufacturing (ICEM 2020), and examines a range of areas including evolution in manufacturing, intelligent networks, bio-Inspired models and algorithms, internet-of-things, and cyber manufacturing. This book intends to provide a contribution to the domain of collaborative and intelligent networks and systems to fill the gap in theories and practical applications through suitable methods and solutions applicable to a wide range of instances. Various topics covered include broad range of research challenges in the fields of artificial intelligence and addressing current and future trends in industry 4.0 oriented scenario, data analytics and big data, operation and manufacturing management. The book will be a valuable reference for beginners, researchers and professionals interested in artificial intelligence in engineering and production management and allied fields.

Intellectual Capital as a Management Tool - Göran Roos 2018-09-03

As technology evolves, it can be difficult to maintain a competitive edge. The management of intangible resources like competence, relationships, brands, processes and systems becomes increasingly important in such a world. *Intellectual Capital as a Management Tool* reviews the evidence to demonstrate where the intellectual capital view of the firm has made major contributions. The book introduces an updated version of the Intellectual Capital Navigator as an operational tool to help managers maximise value generation from an organisations portfolio of diverse resources. This tool is the only tool that enables organisations to use the

resource based view of the firm in an operational way. The book also discusses future developments of the Intellectual Capital Navigator, increasing its precision around the financial aspects of the organisation. The book has broad application across all types of organisations and in all operating environments and is vital reading for managers who want to understand and exploit the importance of managing intellectual capital. *International and Interdisciplinary Studies in Green Computing* - Ganesh, K. 2012-12-31

With the growing awareness and popularity of environmental preservation, research on green computing has gained recognition around the world. Information technology must adopt initiatives in making computers as energy-efficient as possible, as well as design algorithms and systems for efficiency-related computer technologies. *International and Interdisciplinary Studies in Green Computing* provides coverage on strategic green issues and practices for competitive advantages and cost-cutting in modern organizations and business sectors in order to reach environmental goals.

Exploring Process Management as a Means for Greening Road Freight Transport - Priscilla Navarro 2019-11-18

Research has proven that we need to reduce our environmental impact. Sweden has set a goal to become fossil free by 2045. The increasing amount of transport and the need to reduce its environmental effects has put pressure on the companies of the road freight transport sector. Therefore, this business sector needs research actions to find tools that will assist in the greening of its services and operations. My research is a contribution to these efforts from a managerial point of view. Process management is a methodology taken from Total Quality Management (TQM) that has been used in several business sectors to improve business performance. Its process orientation and focus on customers allow companies to identify and satisfy the current and latent needs of their customers. Until now, TQM has targeted customer needs. However, it is experiencing a shift towards incorporating societal needs into the equation. Environmental sustainability is becoming a societal requirement for companies in all sectors. Hence, the purpose of my

research is to explore the possibilities of using process management to support the greening of small and medium-sized companies within the road freight transport sector. The frame of reference for my study is based on three well-established domains in academia and their intersections. These domains are: process management, road freight transport and environmental sustainability. I have used qualitative methods for my research. Specifically, I performed a case study at two medium-sized Swedish companies within the road freight transport business sector. The data collection methods involved document studies, observations and interviews at each case company. The case study was performed using an action research approach, which involved setting up meetings, seminars and workshops with each case company. Additionally, joint workshops were performed, which allowed me to observe and obtain results from the interactions between the companies. The analysis is presented for each case separately and then for their interactions. The results are compared with the existing literature from the three domains. I based my research on three research questions. The first was intended to identify the principles and tools within process management that may be applied to road freight transport companies interested in implementing this methodology to enhance their environmental sustainability. I concluded that these principles were present in the companies and are needed for the implementation of process management. The tools included in this methodology can be associated with environmental initiatives performed by the companies in support of their greening. The second research question refers to the benefits and challenges that companies in this business sector may face when implementing process management methodology. I conclude that most of the expected benefits of process management were confirmed. Additionally, a new benefit was observed: reducing the environmental effect of their services can interest current customers and attract new customers to road freight transport companies. The challenges identified during the case study include: resistance to change, lack of knowledge and resource allocation limitations. I also confirmed that a stepwise implementation of process management increases the likelihood of the

success of the methodology. Hence, underdeveloped management systems are also a challenge when this methodology is used in freight transport companies. The third and final research question involves the adaptations required for process management to enhance environmental sustainability in companies in this business sector. I refer to each of the challenges found and suggest certain requirements for the companies to apply this methodology. Clear communication from top management, the training of employees and the involvement of all employees are some of these requirements. Moreover, to incorporate the environmental aspects clearly, I suggest environmental efforts for each step in the implementation of process management. By including these efforts in the process maturity model, I conclude that road freight transport companies could use process management as a means of enhancing environmental sustainability. Forskning har visat att vi måste minska vår miljöpåverkan. Sverige har som målsättning att vara fossilfritt 2045. Den ökade mängden transporter och behovet av att sänka miljöpåverkan har en direkt påverkan på godstransportsföretag. Därför behövs forskningsåtgärder riktade mot dessa för att hitta verktyg som hjälper till att minska miljöpåverkan av dess verksamhet och tjänster. Min forskning är ett bidrag till dessa ansträngningar ur ett ledningsperspektiv. Processledning är en metodik inom Total Quality Management (TQM) som har använts i flera branscher för att förbättra affärsresultat. Processorientering och fokus på kunderna gör att företag kan identifiera och tillfredsställa aktuella och latenta behov ifrån deras kunder. Fram tills idag så har TQM siktat in sig på kundbehov., men just nu pågår en förflyttning inom TQM mot att även inkludera samhällsbehov i ekvationen. Miljömässig hållbarhet håller på att bli ett samhälleligt krav för företag inom alla branscher. Därför är syftet med min forskning att utforska möjligheterna av att använda processledning som ett verktyg för att minska miljöpåverkan av små och medelstora företag inom godstransportbranschen. Min studie baseras på tre väletablerade områden inom akademien och deras överlapp. Områdena är processledning, godstransporter och miljömässig hållbarhet. Jag har använt kvalitativa metoder för min forskning. Specifikt så genomfördes

en fallstudie vid två medelstora svenska företag inom godstransportbranschen. Datasamlingsmetoder som användes var dokumentstudier, observationer samt interjuver hos båda företagen. Fallstudien genomfördes med en aktionsforskningsapproach. Aktionsforskningen genomfördes som möten, seminarier och workshops hos varje företag. Dessutom genomfördes gemensamma workshops med företagen vilket gjorde det möjligt att observera och få resultat utifrån samspelet mellan företagen. Analysen presenteras för varje företag separat och därefter utifrån deras samspel, resultaten jämförs med existerande litteratur ifrån de tre områdena. Min forskning utgår ifrån tre frågeställningar. Syftet med den första var att identifiera principerna och verktygen inom processledning som kan appliceras på godstransportföretag som är intresserade av att implementera metodiken för att öka sin miljömässiga hållbarhet. Jag drog slutsatsen att principerna från processledning fanns inom företagen och dom behövs för implementeringen av processledningen. Verktygen inom den här metodiken kan associeras med miljöinitiativ utförda av företagen och minska deras miljöpåverkan. Den andra frågeställningen avser fördelarna samt utmaningarna som företag inom det här affärsområdet möter när de implementerar processledningsmetodiken. Min slutsats är att de flesta av de förväntade fördelarna med processledning bekräftas samt att ytterligare en ny fördel upptäcktes. En minskad miljöpåverkan av deras tjänster kan intressera nuvarande kunder och dra till sig nya. De identifierade utmaningarna från fallstudien inkluderar motstånd mot förändring, avsaknad av kunskap samt resursbegränsningar. Jag bekräftade även att en stegvis implementering av processledning ökar möjligheterna för att metodiken ska bli framgångsrik. Därför är också underutvecklade ledningssystem en utmaning för att kunna använda den här metodiken inom godstransportföretag. Den tredje och sista frågeställningen berör de anpassningarna av processledning som krävs för att kunna öka miljömässig hållbarhet hos företag inom det här affärsområdet. Jag refererar till var och en av de utmaningar som hittades och föreslår vissa krav för företagen att applicera den här metodiken. Tydlig kommunikation ifrån ledningen, utbildning av

anställda och involvering av alla medarbetare är några av dessa krav. Dessutom, för att integrera miljöaspekten tydligt, så föreslår jag miljöarbete för varje steg av implementeringen av processledning. Jag drar slutsatsen att godstransportföretag skulle kunna använda processledning som ett sätt att öka miljömässig hållbarhet.

Research Anthology on Environmental and Societal Well-Being Considerations in Buildings and Architecture - Management Association, Information Resources 2021-05-28

When it comes to architecture, there has been a focus on sustainable buildings and human well-being in the built environment. Buildings should not only be environmentally friendly and sustainable, but dually focused on human health, wellness, and experience. This includes considerations into the quality of buildings, ranging from ventilation to thermal comfort, along with environment considerations such as energy usage and material selection. Specific architectural choices and design for buildings can either contribute to or negatively impact both society and the environment, leading research in the field of architecture to be focused on environmental and societal well-being in accordance with the built environment. The Research Anthology on Environmental and Societal Well-Being Considerations in Buildings and Architecture focuses on how the built environment is being constructed to purposefully enhance societal well-being while also maintaining green standards for environmental sustainability. On one side, this book focuses on the specific building choices that can be made for the purpose of human well-being and the occupants who will utilize the building. On the other side, this book also focuses on environmental sustainability from the standpoint of green buildings and environmental concerns. Together, these topics allow this book to have a holistic view of modern architectural choices and design. This book is essential for architects, IT professionals, engineers, contractors, environmentalists, interior designers, civil planners, regional government officials, construction companies, policymakers, practitioners, researchers, academicians, and students interested in architecture and how it can promote environmental and societal well-being.

Encyclopedia of Information Science and Technology, Fourth Edition - Khosrow-Pour, D.B.A., Mehdi 2017-06-20

In recent years, our world has experienced a profound shift and progression in available computing and knowledge sharing innovations. These emerging advancements have developed at a rapid pace, disseminating into and affecting numerous aspects of contemporary society. This has created a pivotal need for an innovative compendium encompassing the latest trends, concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest knowledge and discoveries in this discipline. The Encyclopedia of Information Science and Technology, Fourth Edition is a 10-volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts and researchers from around the globe. This authoritative encyclopedia is an all-encompassing, well-established reference source that is ideally designed to disseminate the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and new technologies in modern settings, including but not limited to computer science, education, healthcare, government, engineering, business, and natural and physical sciences, it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and technology and is an invaluable addition to every academic and corporate library.

Green Business: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2019-02-01

The issues of sustainability and corporate social responsibility have become vital discussions in many industries within the public and private sectors. In the business realm, incorporating practices that serve the overall community and ecological wellbeing can also allow businesses to flourish economically and socially. Green Business: Concepts, Methodologies, Tools, and Applications is a vital reference source for the latest research findings on the challenges and benefits of implementing

sustainability into the core functions of contemporary enterprises, focusing on how green approaches improve operations. Highlighting a range of topics such as corporate sustainability, green enterprises, and circular economy, this multi-volume book is ideally designed for business executives, business and marketing professionals, business managers, academicians, and researchers actively involved in the business industry.

Sustainable and Green Supply Chains and Logistics Case Study Collection - Ozlem Bak 2021-11-03

Sustainability is an increasingly urgent and important factor in logistics and supply chain management, impacting the whole supply chain lifecycle from product design and development, to supplier management, packaging, transportation, warehousing and distribution. The third volume of the Supply Chain Case Study Collection, the Sustainable and Green Supply Chains and Logistics Case Study Collection contains real-life scenarios from leading companies who are pursuing a sustainability agenda. Cases cover sustainability and 'green' practices in a range of different industries, from food through to manufacturing and construction, and in a variety of organization sizes. They are written by leading international academics and feature cutting-edge research from countries including India, Vietnam, Brazil, China and the UK. By exploring examples of waste reduction, supplier management, the circular economy and cross-industry collaboration, the Case Study Collection focuses on how organizations are currently trying to meet sustainability goals and achieve success in greening supply chains.

Contemporary Approaches and Strategies for Applied Logistics - Wood, Lincoln C. 2018-01-30

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. Contemporary Approaches and Strategies for Applied Logistics is a critical scholarly resource that examines applied research and development in logistics and supply chain management. Featuring coverage on a broad range of topics, such as computational logistics,

inventory management, and partnership formation, this book is geared towards academicians, researchers, and practitioners seeking current research on enabling an efficient and sustainable economy.

Proceedings of the Tenth International Conference on Management Science and Engineering Management - Jiuping Xu 2016-08-23

This book presents the proceedings of the Tenth International Conference on Management Science and Engineering Management (ICMSEM2016) held from August 30 to September 02, 2016 at Baku, Azerbaijan and organized by the International Society of Management Science and Engineering Management, Sichuan University (Chengdu, China) and Ministry of Education of Azerbaijan. The aim of conference was to foster international research collaborations in management science and engineering management as well as to provide a forum to present current research findings. The presented papers were selected and reviewed by the Program Committee, made up of respected experts in the area of management science and engineering management from around the globe. The contributions focus on identifying management science problems in engineering, innovatively using management theory and methods to solve engineering problems effectively and establishing novel management theories and methods to address new engineering management issues.

Intelligent Decision Technologies - R. Neves-Silva 2013-06-13

The field of intelligent decision technologies is interdisciplinary in nature, bridging computer science with its development of artificial intelligence, information systems with its development of decision support systems, and engineering with its development of systems. This book presents the 45 papers accepted for presentation at the 5th KES International Conference on Intelligent Decision Technologies (KES-IDT 2013), held in Sesimbra, Portugal, in June 2013. The conference consists of keynote talks, oral and poster presentations, invited sessions and workshops on the applications and theory of intelligent decision systems and related areas. The conference provides an opportunity for the presentation and discussion of interesting new research results, promoting knowledge transfer and the generation of new ideas. The book

will be of interest to all those whose work involves the development and application of intelligent decision systems.

Lean Logic - David Fleming 2016

Lean Logic is David Fleming's masterpiece, the product of more than thirty years' work and a testament to the creative brilliance of one of Britain's most important intellectuals. A dictionary unlike any other, it leads readers through Fleming's stimulating exploration of fields as diverse as culture, history, science, art, logic, ethics, myth, economics, and anthropology, being made up of four hundred and four engaging essay-entries covering topics such as Boredom, Community, Debt, Growth, Harmless Lunatics, Land, Lean Thinking, Nanotechnology, Play, Religion, Spirit, Trust, and Utopia. The threads running through every entry are Fleming's deft and original analysis of how our present market-based economy is destroying the very foundations--ecological, economic, and cultural-- on which it depends, and his core focus: a compelling, grounded vision for a cohesive society that might weather the consequences. A society that provides a satisfying, culturally-rich context for lives well lived, in an economy not reliant on the impossible promise of eternal economic growth. A society worth living in. Worth fighting for. Worth contributing to. The beauty of the dictionary format is that it allows Fleming to draw connections without detracting from his in-depth exploration of each topic. Each entry carries intriguing links to other entries, inviting the enchanted reader to break free of the imposed order of a conventional book, starting where she will and following the links in the order of her choosing. In combination with Fleming's refreshing writing style and good-natured humor, it also creates a book perfectly suited to dipping in and out. The decades Fleming spent honing his life's work are evident in the lightness and mastery with which *Lean Logic* draws on an incredible wealth of cultural and historical learning--from Whitman to Whitefield, Dickens to Daly, Kropotkin to Kafka, Keats to Kuhn, Oakeshott to Ostrom, Jung to Jensen, Machiavelli to Mumford, Mauss to Mandelbrot, Leopold to Lakatos, Polanyi to Putnam, Nietzsche to Næss, Keynes to Kumar, Scruton to Shiva, Thoreau to Toynbee, Rabelais to Rogers, Shakespeare to Schumacher, Locke to Lovelock,

Homer to Homer-Dixon--in demonstrating that many of the principles it commends have a track-record of success long pre-dating our current society. Fleming acknowledges, with honesty, the challenges ahead, but rather than inducing despair, *Lean Logic* is rare in its ability to inspire optimism in the creativity and intelligence of humans to nurse our ecology back to health; to rediscover the importance of place and play, of reciprocity and resilience, and of community and culture. -----

Recognizing that *Lean Logic*'s sheer size and unusual structure could be daunting, Fleming's long-time collaborator Shaun Chamberlin has also selected and edited one of the potential pathways through the dictionary to create a second, stand-alone volume, *Surviving the Future: Culture, Carnival and Capital in the Aftermath of the Market Economy*. The content, rare insights, and uniquely enjoyable writing style remain Fleming's, but presented at a more accessible paperback-length and in conventional read-it-front-to-back format.

Advances in Manufacturing Processes, Intelligent Methods and Systems in Production Engineering - Andre Batako 2022

This book forms an excellent basis for the development of intelligent manufacturing system for Industry 4.0, digital and distributed manufacturing, and factories for future. This book of new developments and advancement in intelligent control and optimization system for production engineering serves as a good companion to scholars, manufacturing companies, and RTO to improve the efficiency of production systems.

Decision Management: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2017-01-30

The implementation of effective decision making protocols is crucial in any organizational environment in modern society. Emerging advancements in technology and analytics have optimized uses and applications of decision making systems. *Decision Management: Concepts, Methodologies, Tools, and Applications* is a compendium of the latest academic material on the control, support, usage, and strategies for implementing efficient decision making systems across a variety of industries and fields. Featuring comprehensive coverage on numerous

perspectives, such as data visualization, pattern analysis, and predictive analytics, this multi-volume book is an essential reference source for researchers, academics, professionals, managers, students, and practitioners interested in the maintenance and optimization of decision management processes.

Handbook of Research on Economic and Political Implications of Green Trading and Energy Use - Das, Ramesh Chandra 2019-06-14

Industrial houses have, in recent years, begun to favor green products and financial institutions are funneling investible funds to environmentally friendly industries as a priority. Implementation of green policy to support these changes requires economic as well as political support from various influential countries. Success of green policies will inevitably benefit biodiversity and global environmental health. The Handbook of Research on Economic and Political Implications of Green Trading and Energy Use is a scholarly research publication that presents global perspectives on the impact of green financing and accounting on the health of the environment while highlighting issues related to carbon trading, carbon credit, energy use, and energy efficiency and their impact on economic outputs. This reference features a range of topics including environmental policies and sustainable development and is essential for academicians, environmental scientists, policymakers, political scientists, students, and researchers.

Futuristic Trends for Sustainable Development and Sustainable Ecosystems - Ortiz-Rodriguez, Fernando 2022-06-24

A key focus in recent years has been on sustainable development and promoting environmentally conscious practices. In today's rapidly evolving technological world, it is important to consider how technology can be applied to solve problems across disciplines and fields in these areas. Further study is needed in order to understand how technology can be applied to sustainability and the best practices, considerations, and challenges that follow. *Futuristic Trends for Sustainable Development and Sustainable Ecosystems* discusses recent advances and innovative research in the area of information and communication

technology for sustainable development and covers practices in several artificial intelligence fields such as knowledge representation and reasoning, natural language processing, machine learning, and the semantic web. Covering topics such as blockchain, deep learning, and renewable energy, this reference work is ideal for computer scientists, industry professionals, researchers, academicians, scholars, instructors, and students.

Handbook of Research on Building Inclusive Global Knowledge Societies for Sustainable Development - Popescu, Cristina Raluca Gh. 2022-06-17

Knowledge and information have significant impacts on individuals' daily lives and activities, especially when referring to the new economy and the global knowledge societies. However, the COVID-19 pandemic has caused massive disruptions in the creation of the vital inclusive global information society. Due to this change, further study on the current difficulties and best practices of creating global knowledge societies is required in order to ensure communities can continue to advance and information is shared appropriately. The Handbook of Research on Building Inclusive Global Knowledge Societies for Sustainable Development aims at providing an updated view of the newest trends, novel practices, and latest tendencies concerning building inclusive global knowledge societies for sustainable development while focusing on the benefits and the opportunities derived from the new economy and the global knowledge societies. Covering topics such as smart cities, food security, and climate change, this major reference work is ideal for policymakers, government officials, business owners, managers, academicians, scholars, researchers, practitioners, instructors, and students.

Intelligent Information and Database Systems - Ngoc Thanh Nguyen 2017-03-23

The two-volume set LNAI 10191 and 10192 constitutes the refereed proceedings of the 9th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2017, held in Kanazawa, Japan, in April 2017. The total of 152 full papers accepted for publication in these proceedings

was carefully reviewed and selected from 420 submissions. They were organized in topical sections named: Knowledge Engineering and Semantic Web; Social Networks and Recommender Systems; Text Processing and Information Retrieval; Intelligent Database Systems; Intelligent Information Systems; Decision Support and Control Systems; Machine Learning and Data Mining; Computer Vision Techniques; Advanced Data Mining Techniques and Applications; Intelligent and Context Systems; Multiple Model Approach to Machine Learning; Applications of Data Science; Artificial Intelligence Applications for E-services; Automated Reasoning and Proving Techniques with Applications in Intelligent Systems; Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems; Intelligent Computer Vision Systems and Applications; Intelligent Data Analysis, Applications and Technologies for Internet of Things; Intelligent Algorithms and Brain Functions; Intelligent Systems and Algorithms in Information Sciences; IT in Biomedicine; Intelligent Technologies in the Smart Cities in the 21st Century; Analysis of Image, Video and Motion Data in Life Sciences; Modern Applications of Machine Learning for Actionable Knowledge Extraction; Mathematics of Decision Sciences and Information Science; Scalable Data Analysis in Bioinformatics and Biomedical Informatics; and Technological Perspective of Agile Transformation in IT organizations.

Lean and Green Manufacturing - Kaliyan Mathiyazhagan 2021-10-16

This book provides a stage-by-stage integration of lean and green manufacturing paradigms to achieve environmental and economic benefits. The book includes chapters on conceptual development for incorporating the lean and green paradigm, and methods, tools and techniques for developing and integrating lean manufacturing. Several case studies which demonstrate the benefits of integrating lean and green manufacturing techniques are also covered here. The contents of this book are expected to support researchers and practitioners in the implementation of integrated lean and green manufacturing technologies.

Evaluation of Supply Chain Performance - Liliana Avelar-Sosa 2018-06-30

This book provides some regional aspects considered by manufacturing firms in their decisions to gain competitiveness and have effects on the performance of their supply chains (SC). Some of the main aspects considered are: government's policies, fixed costs, the availability and quality of infrastructure services. This book also discusses the risks for the SC; based on a perception approach, some aspects studied are: demand, suppliers and production processes and how these are related to other elements of the SC. The authors use structural modeling to analyze the evaluation of some manufacturing practices and their impact on customer service satisfaction, agility and flexibility of the SC. The context of this study is immersed in the Mexican manufacturing industry of exportation, also known as maquiladora industry of Ciudad Juarez, México. This borderland is among the top 10 manufacturing Mexican cities. World class industries are located in this region and have been recognized around the world for their competitiveness and high performance. Therefore, the methods and results exposed in this book may be valuable and useful for readers and researchers of the SC worldwide.

Supply Chain Sustainability in Small and Medium Sized Enterprises - Prasanta Kumar Dey 2022-09-29

This book examines the sustainability of supply chains in small and medium sized enterprises (SMEs), in developed and emerging economies. Drawing on contributions from experts in the field and examining case studies from a range of countries, including Thailand, Bangladesh, France, Spain, Austria and Greece, this book provides researchers and industry practitioners with guidance on how to make SMEs more sustainable through appropriate trade-offs between economic, environmental and social aspects. Over the course of the book, the authors examine the current state of sustainable supply chain practices, highlight the key issues and challenges, and identify critical success factors across different industries and geographical locations. They also explore how supply chain carbon footprints and effectiveness are measured, and navigate the delicate balance between reducing the carbon footprint whilst still ensuring enhanced productivity. Finally, the

book reflects on how the circular economy model might facilitate higher sustainability of SMEs. Supply Chain Sustainability in Small and Medium Sized Enterprises will be of great interest to scholars and practitioners of supply chain management and sustainable business.

Sustainable Business: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2019-08-02

In the increasingly competitive corporate sector, businesses must examine their current practices to ensure business success. By examining their social, financial, and environmental risks, obligations, and opportunities, businesses can re-design their operations more effectively to ensure prosperity. Sustainable Business: Concepts, Methodologies, Tools, and Applications is a vital reference source that explores the best practices that promote business sustainability, including examining how economic, social, and environmental aspects are related to each other in the company's management and performance. Highlighting a range of topics such as lean manufacturing, sustainable business model innovation, and ethical consumerism, this multi-volume book is ideally designed for entrepreneurs, business executives, business professionals, managers, and academics seeking current research on sustainable business practices.

The Second Century - Matthias Holweg 2005

How the auto industry can replace obsolete strategies dating to Henry Ford's era with a system that reconnects customers to the value chain: a build-to-order model centered on process, product, and volume flexibility.

Operations and Service Management: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2017-11-30

Organizations of all types are consistently working on new initiatives, product lines, and workflows as a way to remain competitive in the modern business environment. No matter the type of project at hand, employing the best methods for effective execution and timely completion of the task is essential to business success. Operations and Service Management: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest research on business operations and production processes. It examines the need for a customer focus and highlights a range of pertinent topics such as financial performance measures, human resource development, and business analytics, this multi-volume book is ideally designed for managers, professionals, students, researchers, and academics interested in operations and service management.