

Samsung Life Cycle Assessment For Le Phones

With its high-level focus on industrial ecology-related policies such as circular economy and industrial symbiosis, this book provides a timely analysis of the industrial ecology experience worldwide. Editors Pauline Deutz, Donald I. Lyons, and Jun Bi combine their diverse experiences in both research and teaching to examine the topic as a business, community, and academic endeavor in different settings worldwide. *International Perspectives on Industrial Ecology* provides a cutting-edge, in-depth exploration of the commonalities and differences of industrial ecology experiences, comparing geographical contexts from each of the world's continents. Expert contributors utilize case studies and contextualized reviews of current projects to formulate invaluable insights in the field. Much attention is given to industrial symbiosis, waste management, circular economy, sustainable development, and environmental management as each pertains to the field. This book's international perspective makes it ideal background reading for academics working in industrial ecology, as well as a valuable reference for postgraduates doing research or taking courses in the field. Public or private sector bodies trying to facilitate industrial symbiosis, economic development agencies considering industrial symbiosis projects, and environmental managers and regulators trying to improve environmental performance in their particular country will also find it engaging and relevant.

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In this 610 page Compendium, CSR International has compiled summaries of the best research on corporate sustainability, social responsibility and business ethics since 2009. This second volume on Environment profiles over 500 research publications between 2009 and 2014 - including practitioner reports, market surveys and academic papers - from over 80 authors and more 400 organisations. Specifically, it contains research abstracts on the following environment-related topic areas: Sustainable Development and the Green Economy Sustainability Practices Sustainable Resource Use Prevention of Pollution Climate Change Protection of the Environment and Biodiversity Sectoral Approaches We believe this Compendium will serve as an invaluable resource for academics, students, researchers and professionals around the world who share our interest and passion for social responsibility, sustainability, business ethics and corporate accountability.

This book connects business sustainability to supply network-based value creation and enhancement, and tests a number of key propositions in complex supply networks to identify key challenges. Examining practical issues such as carbon trading, green product development, worker safety, child labour and relations with local communities, Business Value and Sustainability advances the understanding of sustainability in supply network management. In presenting a supply management perspective including a tighter control of the supply base and the development of supplier capability through collaboration with NGOs, the authors contribute to both the theoretical

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advancement and practical development of this field. The book aims to raise the sustainability standards of businesses in an increasingly complex and inter- and intra-connected global supply network.

This student-focused text provides an emphasis on skills development. Packed with real-life examples of what can go wrong with even the most well-conceived strategies, there is a focus on realism throughout. With a highly accessible writing style, this text it is an invaluable learning tool for all students in this area.

Nanomaterials' unique properties offer revolutionary means to optimize a variety of products, including electronics, textiles, paintings and coatings, pharmaceuticals, and personal care products. However, these same properties mean that nanoscale materials can behave differently in the human body and the environment than conventional materials.

This book views Samsung Electronics in terms of corporate life cycle as well as product portfolio and strategy. It also examines the issues Samsung faces as it proceeds further into the 21st century. Written from the perspective of an experienced commentator on Korean and global business, this book presents not simply a narrative or an adulatory and uncritical account of Samsung's rise, but a considered analysis of the secrets of success that both business students and CEOs will want to read and consider applying to their own companies.

This book constitutes the thoroughly refereed post-conference proceedings of 18th

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International Workshop on Power and Timing Modeling, Optimization and Simulation, PATMOS 2008, featuring Integrated Circuit and System Design, held in Lisbon, Portugal during September 10-12, 2008. The 31 revised full papers and 10 revised poster papers presented together with 3 invited talks and 4 papers from a special session on reconfigurable architectures were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on low-leakage and subthreshold circuits, low-power methods and models, arithmetic and memories, variability and statistical timing, synchronization and interconnect, power supplies and switching noise, low-power circuits; reconfigurable architectures, circuits and methods, power and delay modeling, as well as power optimizations addressing reconfigurable architectures.

The circular economy offer opportunities to reduce resource use and waste whilst providing business opportunities. This is also true in the mobile phone industry that has been characterised by high rates of product obsolescence. The emergence of the smart phone has changed the landscape, making repair, refurbishment and resell attractive to businesses and consumers. Moreover, emerging modular phone design should allow functional upgrades with low resource wastage. This report investigates the adoption of circular business models within Nordic markets. Producers, retailers, refurbishers, recyclers and resellers tell of their motivation, experiences and the challenges that they face. A special look is taken at consumer and waste law and the challenges and

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opportunities they represent. The report ends with 17 policy proposals that can accelerate the adoption of circularity in the sector.

The success of any organization is largely dependent on positive feedback and repeat business from patrons. By utilizing acquired marketing data, business professionals can more accurately assess practices, services, and products that their customers find appealing. The Handbook of Research on Intelligent Techniques and Modeling Applications in Marketing Analytics features innovative research and implementation practices of analytics in marketing research.

Highlighting various techniques in acquiring and deciphering marketing data, this publication is a pivotal reference for professionals, managers, market researchers, and practitioners interested in the observation and utilization of data on marketing trends to promote positive business practices.

Following the impacts of the financial crisis and growing awareness around climate change, this accessible textbook aimed at 'Introduction to Management' courses empowers students to become responsible managers in today's modern world.

This open access book provides insight into the implementation of Life Cycle approaches along the entire business value chain, supporting environmental, social and economic sustainability related to the development of industrial

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technologies, products, services and policies; and the development and management of smart agricultural systems, smart mobility systems, urban infrastructures and energy for the built environment. The book is based on papers presented at the 8th International Life Cycle Management Conference that took place from September 3-6, 2017 in Luxembourg, and which was organized by the Luxembourg Institute of Science and Technology (LIST) and the University of Luxembourg in the framework of the LCM Conference Series. Principles of Management Practicing Ethics, Responsibility, Sustainability SAGE Since the first EcoDesign International Symposium held in 1999, this symposium has led the research and practices of environmentally conscious design of products, services, manufacturing systems, supply chain, consumption, as well as economics and society. EcoDesign 2011 - the 7th International Symposium on Environmentally Conscious Design and Inverse Manufacturing - was successfully held in the Japanese old capital city of Kyoto, on November 30th – December 2nd, 2011. The subtitle of EcoDesign 2011 is to “design for value innovation towards sustainable society.” During this event, presenters discussed the way to achieve both drastic environmental consciousness and value innovation in order to realise a sustainable society.

PRINCIPLES OF RESPONSIBLE MANAGEMENT offers an international,

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scientifically sound, and strictly practice-related perspective. It is the first official textbook of the United Nations for the Principles for Responsible Management Education (PRME) academic network, and a reference book for companies of the United Nations Global Compact Initiative. It is a primary text for traditional business and society, business ethics, corporate social responsibility, and sustainability courses, or may serve as a practitioner handbook. Contributors are renowned academic professionals in their respective chapter topics as well as distinguished business practitioners who contribute highly relevant practice cases. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book is a selection of the most relevant contributions to the LCM 2011 conference in Berlin. The material explores scientific and practical solutions to incorporating life cycle approaches into strategic and operational decision making. There are several sections addressing methodological topics such as LCSM approaches, methods and tools, while more application-oriented sections deal with the implementation of these approaches in relevant industrial sectors including agriculture and food, packaging, energy, electronics and ICT, and mobility.

Consumer Product Innovation and Sustainable Design follows the innovation and

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evolution of consumer products from vacuum cleaners to mobile phones from their original inventions to the present day. It discusses how environmental concerns and legislation have influenced their design and the profound effects these products have had on society and culture. This book also uses the lessons from the successes and failures of examples of these consumer products to draw out practical guidelines for designers, engineers, marketers and managers on how to become more effective at product development, innovation and designing for environmental sustainability.

In der Masterarbeit "Deutschland macht's effizient!" setzt sich der Autor mit der Nationalen Top-Runner-Initiative des Bundesministeriums für Wirtschaft und Energie auseinander, hinterfragt die Motivation der Kampagne, gleicht diese mit der Realität und den Ansprüchen verschiedener Stakeholder ab und entwickelt eine alternative Strategie zur ökologisch und ökonomisch sinnvollen Nutzung von Haushaltsgroßgeräten, bei der Verbraucher, Händler und Hersteller profitieren. Energieeffizienz als Entscheidungskriterium beim Kauf neuer Haushaltsgroßgeräte hat, da energieeffiziente Haushaltsgeräte mittlerweile als Standard gelten, in den letzten Jahren an Bedeutung verloren. Eine Energieeinsparung ist, da bei den Geräten eingesparte Energie durch geändertes Konsumverhalten kompensiert wird, allerdings nicht nachweisbar. Zudem ist fraglich, ob die Verbreitung energieeffizienter Geräte ein

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wesentlicher Hebel zur Verringerung des Primärenergieverbrauchs sein kann. Am Beispiel einer im Haushalt verwendeten Waschmaschine werden wir erkennen, dass bereits vorhandenes Potential zur Energieeinsparung nicht genutzt wird. Dass das mögliche Sparpotential, allein mit ökologisch optimiertem Wäschewaschen mittels vorhandener Technik, bei gut 18 PJ End- bzw. 49 PJ Primärenergie bzw. 2,5 Millionen Tonnen CO₂-Äquivalent im Jahr liegt. Jede Strategie, die einen ökologisch sinnvollen Umgang mit dem Thema Wäschewaschen umzusetzen vermag, ist für den Verbraucher automatisch ökonomisch vorteilhaft. Politik, Hersteller und Handel sollen dazu den von der EU vorgezeichneten Weg, Anpassung der Effizienzklassen, Mindestlebensdauer und Reparierfähigkeit von Haushaltsgeräten, konsequent beschreiten. Für Hersteller und Händler bedeutet dies die komplette Integration der Wertschöpfungskette ‚Verkauf – Garantieverlängerung – Reparatur‘ ins eigene Geschäftsmodell. Zusätzlich sind Pay-per-Use-Systeme dringendst zu empfehlen. Diese werden der größte Hebel zum ökonomisch optimalen Wäschewaschen sein. Covering basic theory, components, installation, maintenance, manufacturing, regulation and industry developments, Gas Turbines: A Handbook of Air, Sea and Land Applications is a broad-based introductory reference designed to give you the knowledge needed to succeed in the gas turbine industry, land, sea and air applications. Providing the big picture view that other detailed, data-focused resources lack, this book has a strong focus on the information needed to effectively decision-

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make and plan gas turbine system use for particular applications, taking into consideration not only operational requirements but long-term life-cycle costs in upkeep, repair and future use. With concise, easily digestible overviews of all important theoretical bases and a practical focus throughout, Gas Turbines is an ideal handbook for those new to the field or in the early stages of their career, as well as more experienced engineers looking for a reliable, one-stop reference that covers the breadth of the field. Covers installation, maintenance, manufacturer's specifications, performance criteria and future trends, offering a rounded view of the area that takes in technical detail as well as well as industry economics and outlook Updated with the latest industry developments, including new emission and efficiency regulations and their impact on gas turbine technology Over 300 pages of new/revised content, including new sections on microturbines, non-conventional fuel sources for microturbines, emissions, major developments in aircraft engines, use of coal gas and superheated steam, and new case histories throughout highlighting component improvements in all systems and sub-systems.

This book presents the theory and practice of product lifecycle management, chiefly focusing on modern approaches suitable for digitalized enterprises. In addition to describing adaptive methods for advanced product creation using big data analytics, it presents economic and mathematical models for managing product lifecycles based on the application of recent methods (e.g. digital design and automated intelligent

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systems) to control pre-production and production processes. Given its scope, the book appeals to researchers, economic analysts and entrepreneurs alike.

Natural Resources and Sustainability explores how human needs and desires, from sustenance and shelter to recreation and travel, have spurred the consumption of Earth's material resources. Scientists, ecologists, and other expert authors present the historical impact of commercial activities (in industries as varied as fisheries, agriculture, energy, and mineral extraction), discuss the global distribution and use of renewable and nonrenewable resources, and focus on innovative approaches for the future. Readers will learn why renewal doesn't necessarily put a resource beyond harm and why the no-free-lunch adage applies to all natural resources.

In a fast moving world the transportation of goods is expected to be more efficient than ever before. This compendia features papers that address key themes in green logistics such as benchmarking and energy efficiency and includes highly cited papers from international contributors such as Alan McKinnon and Joseph Sarkis.

The essential guide to environmental control systems in building design For over 25 years Heating, Cooling, Lighting: Sustainable Design Strategies Towards Net Zero Architecture has provided architects and design professionals the knowledge and tools required to design a sustainable built environment at the schematic design stage. This Fifth Edition offers cutting-edge research in the field of sustainable architecture and design and has been completely restructured based on net zero design strategies.

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Reflecting the latest developments in codes, standards, and rating systems for energy efficiency, Heating, Cooling, Lighting: Sustainable Design Strategies Towards Net Zero Architecture includes three new chapters: Retrofits: Best practices for efficient energy optimization in existing buildings Integrated Design: Strategies for synergizing passive and active design Design Tools: How to utilize the best tools to benchmark a building's sustainability and net zero potential Heating, Cooling, Lighting: Sustainable Design Strategies Towards Net Zero Architecture is a go-to resource for practicing professionals and students in the fields of environmental systems technology or design, environmental design systems, construction technology, and sustainability technology. Este volume da Série Compartilhando Saberes se dedica ao tema da modelagem de sistemas complexos e processos industriais. Modelos computacionais de estudos empíricos e teóricos são apresentados pelos autores, representando uma importante metodologia para a análise e a compreensão de problemas reais nas organizações. Achieving a sustainable building is not just a matter of design and construction: what happens once the building is occupied is absolutely critical. This book shows how the choices designers, developers and building users make impact on sustainability over the life span of the building. The authors show how a holistic approach considering costs, energy use, environmental impact, global warming potential as well as items which a usually disregarded such as finishes, furniture and appliances is needed to achieve best practice.

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The 19th CIRP Conference on Life Cycle Engineering continues a strong tradition of scientific meetings in the areas of sustainability and engineering within the community of the International Academy for Production Engineering (CIRP). The focus of the conference is to review and discuss the current developments, technology improvements, and future research directions that will allow engineers to help create green businesses and industries that are both socially responsible and economically successful. The symposium covers a variety of relevant topics within life cycle engineering including Businesses and Organizations, Case Studies, End of Life Management, Life Cycle Design, Machine Tool Technologies for Sustainability, Manufacturing Processes, Manufacturing Systems, Methods and Tools for Sustainability, Social Sustainability, and Supply Chain Management.

This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

The rapid development of nanoscience enables a technology revolution that will soon impact virtually every facet of the water sector. Yet, there is still too little

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understanding of what nanoscience and nanotechnology is, what can it do and whether to fear it or not, even among the educated public as well as scientists and engineers from other disciplines. Despite the numerous books and textbooks available on the subject, there is a gap in the literature that bridges the space between the synthesis (conventional and more greener methods) and use (applications in the drinking water production, wastewater treatment and environmental remediation fields) of nanotechnology on the one hand and its potential environmental implications (fate and transport of nanomaterials, toxicity, Life Cycle Assessments) on the other. Nanotechnology for Water and Wastewater Treatment explores these topics with a broad-based multidisciplinary scope and can be used by engineers and scientists outside the field and by students at both undergraduate and post graduate level. Table of Contents Introduction: Nanotechnology for water and wastewater treatment: potential and limitation; Characteristics and properties of nanoparticles; Physical and chemical analysis of nanoparticles; Fate and transport of nanoparticles/nanomaterials, toxicity studies; Nanoparticles and bioremediation; Nanosorbents; Effective Phosphate Removal Using Ca-based Layered Double Hydroxide Materials; Mg(OH)₂ nanoadsorbent during Treating the Low Concentration of Cr; Nano catalysts; Visible-light doped titania for water purification: nitrogen and silver

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doping; Doping of Pd nanocatalysts for PCB removal; The use of bimetallic nanosystems to remove POPs from soils and sediments"; Nanomaterials for disinfection and microbial control; Microbial manufactured silver nanoparticles for water disinfection; Electrospun nanofibers for Point-of-Use Water Treatment; Nanomaterials to enhance filtration; Metallic and ceramic microreactors; Enzyme-Immobilized Nanofiltration Membrane To Mitigate Biofouling Based on Quorum Quenching; Biomimetic membranes for water filtration; Nano sensors ; Functionalised graphene: a novel platform for biosensors; Lab-on-a-Chip Interferometric Biosensor Nanotechnology; Nanosensors for pathogens; Nanomanufacturing: Materials Design and Production; Green synthesis of nanoparticles and nanocatalysts; Plant-based nanoparticle manufacturing. This volume constitutes the refereed post-conference proceedings of the 10th IFIP WG 13.8 International Conference on Culture, Technology, and Communication, CaTaC 2016, held in London, UK, in June 2016. The 9 revised full papers were carefully reviewed and selected from 22 submissions. The papers explore the intersections between culture, technology, and communication, applying different theoretical and methodological perspectives, genres, and styles. They deal with cultural attitudes towards technology and communication, interaction design, and international development.

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Essay from the year 2016 in the subject Business economics - Marketing, Corporate Communication, CRM, Market Research, Social Media, course: international business, language: English, abstract: Samsung Group is a giant multinational enterprise composed of more than thirty affiliated corporations in various industries. Samsung Group is acting a significant of roles including supplier, designer, engineer and producer etc. As a global conglomerate, Samsung has achieved a great success in both domestic and foreign markets. Samsung mobile business has contributed enormously to the whole company, providing mobile phones that satisfy consumers' needs. Samsung maintain the first position with innovated products, such as the Galaxy S5, Galaxy Note 4 and Galaxy Note edge across the whole mobile and smartphone markets in the world in 2014. A closer look will be taken on Samsung's mobile communications business. As Samsung intends to expand global footprint, international business strategy would be adopted inevitably by the company. The purpose of this paper is to exam a case of Samsung Mobile and explores how the environment impacts on Samsung's international strategy by using appropriate strategic tools. This book contains the description of machines and systems as investments goods in production. These machines have a technological and economical life cycle over the time used. By explaining the paradigms of life cycle management,

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the book describes how the life cycle of such investment goods can be designed, operated and optimized to deliver maximum benefit in industrial environment. Additional examples from industry including case studies and calculations demonstrate practical applications and deliver benefit not only for academic or educational purpose but also for industrial practitioners.

This book provides an overview of the main tools and approaches available to enterprises wishing to put the Environment chapter of the OECD Guidelines into practice.

Electronic Enclosures, Housings and Packages considers the problem of heat management for electronics from an encasement perspective. It addresses enclosures and their applications for industrial electronics, as well as LED lighting solutions for stationary and mobile markets. The book introduces fundamental concepts and defines dimensions of success in electrical enclosures. Other chapters discuss environmental considerations, shielding, standardization, materials selection, thermal management, product design principles, manufacturing techniques and sustainability. Final chapters focus on business fundamentals by outlining successful technical propositions and potential future directions. Introduces the concepts of materials recycling and sustainability to electronic enclosures Provides thorough coverage of all technical aspects

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relating to the design and manufacturing of electronic packaging Includes practical information on environmental considerations, shielding, standardization, materials selection, and more

This book presents a range of cutting edge perspectives on subjects which are central to improving purchasing performance, including supply chain management, outsourcing and partnership, professional development, IT and e-commerce, and performance evaluation.

Provides a review of current and potential research in green management and control. The 3rd edition of this successful textbook continues to build on the strengths that were recognized by a 2008 Textbook Excellence Award from the Text and Academic Authors Association (TAA). Materials Chemistry addresses inorganic-, organic-, and nano-based materials from a structure vs. property treatment, providing a suitable breadth and depth coverage of the rapidly evolving materials field — in a concise format. The 3rd edition offers significant updates throughout, with expanded sections on sustainability, energy storage, metal-organic frameworks, solid electrolytes, solvothermal/microwave syntheses, integrated circuits, and nanotoxicity. Most appropriate for Junior/Senior undergraduate students, as well as first-year graduate students in chemistry, physics, or engineering fields, Materials Chemistry may also serve as a valuable reference to industrial researchers. Each chapter concludes with a section that describes important materials applications, and an updated list of thought-provoking questions.

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This book consists of chapters based on selected papers presented at the EcoDesign2015 symposium (9th International Symposium on Environmentally Conscious Design and Inverse Manufacturing). The symposium, taking place in Tokyo in December 2015, has been leading the research and practices of eco-design of products and product-related services since it was first held in 1999. The proceedings of EcoDesign2011 were also published by Springer. Eco-design of products and product-related services (or product life cycle design) are indispensable to realize the circular economy and to increase resource efficiencies of our society. This book covers the state of the art of the research and the practices in eco-design, which are necessary in both developed and developing countries. The chapters of the book, all of which were peer-reviewed, have been contributed by authors from around the world, especially from East Asia, Europe, and Southeast Asia. The features of the book include (1) coverage of the latest topics in the field, e.g., global eco-design management, data usage in eco-design, and social perspectives in eco-design; (2) an increased number of authors from Southeast Asian countries, with a greater emphasis on eco-design in emerging economies; (3) high-quality manuscripts, with the number of chapters less than half of that of the previous book.

As the global demand for natural and organic products continues to grow, making and marketing greener products is becoming an imperative. The old stereotype of green products' sub-par performance has been shattered as large multinational corporations

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prove that you can develop and win in the marketplace with a naturals-based product platform. And the pull for sustainably minded products is not limited to consumer marketing—business-to-business marketing of greener products has also increased due to customer demand from all business sectors. The Case for Greener Products Making a compelling business case for why companies must provide greener, more sustainable products, *Greener Products: The Making and Marketing of Sustainable Brands* shares best practices for the design and marketing of greener products. The book examines ecosystem and regulatory pressures as well as market pressures from customers—consumers, business customers, and government purchasers—who have created a demand on manufacturers to bring more sustainable brands to market. How Are Greener Products Made? Through case studies of green design from companies such as GE (Ecomagination™), Timberland (Green Index®), Philips, Apple Inc., Seventh Generation, Procter & Gamble, BASF, and others, the author explores initiatives in areas ranging from product design, sustainable sourcing, and packaging to energy efficiency, recycling, and end-of-life management. A contribution from guest author James A. Fava, one of the leading thinkers and practitioners in developing greener products, presents a toolbox of environmental management systems, programs, and tools for the development of greener products. *Three Keys to Successful Green Marketing Campaigns* Providing the backbone for the author's analysis of green marketing, a contribution from guest authors Lee Ann Head, Karen Barnes, and

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Suzanne Shelton of the Shelton Group analyzes market trend data and helps marketers understand their customers and what moves them. The author then looks more closely at drivers for green marketing, outlining three keys for successful green marketing campaigns and using them to evaluate the approaches of several leading companies. He also offers advice on how to avoid "greenwashing," create successful cause-marketing partnerships, and use eco-labels wisely. Throughout the book, the author shares best practices and lessons learned from leaders in the field across various industry sectors. Written by the senior director of product stewardship for Johnson & Johnson, this timely book offers real-world experience, valuable insights, and practical tools for the effective design and marketing of greener products. The Best Days of Green Marketing Are Still Ahead See what Al Iannuzzi has to say about making and marketing greener products in an interview at Greenbiz.com.

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