

Harnessing Green It Principles And Practices

As the world’s population continues to grow and economic conditions continue to improve, more solid and liquid waste is being generated by society. Improper disposal methods can not only lead to harmful environmental impacts but can also negatively affect human health. To prevent further harm to the world’s ecosystems, there is a dire need for sustainable waste management practices that will safeguard the environment for future generations. Waste Management: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines the management of different types of wastes and provides relevant theoretical frameworks about new waste management technologies for the control of air, water, and soil pollution. Highlighting a range of topics such as contaminant removal, landfill treatment, and recycling, this multi-volume book is ideally designed for environmental engineers, waste authorities, solid waste management companies, landfill operators, legislators, environmentalists, policymakers, government officials, academicians, researchers, and students.

This final volume in the Eco-technology series deals with generation of energy using Nature’s enormous potential.

This book offers a selection of papers from the 2016 International Conference on Software Process Improvement (CIMPS’16), held between the 12th and 14th of October 2016 in Aguascalientes, Aguascalientes, México. The CIMPS’16 is a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the different aspects of software engineering with a focus on, but not limited to, software processes, security in information and communication technology, and big data. The main topics covered include: organizational models, standards and methodologies, knowledge management, software systems, applications and tools, information and communication technologies and processes in non-software domains (mining, automotive, aerospace, business, health care, manufacturing, etc.) with a clear focus on software process challenges.

As society continues to experience increases in technological innovations, various industries must rapidly adapt and learn to incorporate these advances. While there are benefits to implementing these technologies, the sociological aspects still need to be considered. Technology Adoption and Social Issues: Concepts, Methodologies, Tools, and Applications is an innovative reference source for the latest academic material on the various effects of technology adoption, implementation, and acceptance. Highlighting a range of topics, such as educational technology, globalization, and social structure, this multi-volume book is ideally designed for academicians, professionals, and researchers who are interested in the latest insights into technology adoption.

Harnessing Green ITPrinciples and PracticesJohn Wiley & Sons

Harnessing Social Media as a Knowledge Management Tool

Think Twice

How to Harness Connection, Context, and Power to Cultivate Deep and Enduring Change

Homebrew Wind Power

Handbook of Research on Green ICT: Technology, Business and Social Perspectives

Technology Adoption and Social Issues: Concepts, Methodologies, Tools, and Applications

Harnessing Green IT

"This handbook coalesces worldwide investigations, thoughts, and practices in the area of Green ICT, covering the technical advances, methodological innovations, and social changes that result in enhancements and improvements in business strategies, social policies, and technical implementations"--Provided by publisher.

What were new ideas 30 years ago, such as the concepts of participatory development and systems thinking, are now accepted norms in international development circles. The majority of professionals engaged in rural development accept the proposition that the people who participate in development should play an active role in defining, implementing, and evaluating projects intended to improve their productivity and lives. However this goal remains unrealized in many development programs. Harnessing the Power of Collective Learning considers the challenges and potential of enabling collective learning in rural development initiatives. The book presents 11 case studies of organizations trying to develop and implement collective learning systems as an integral component of sustainable development practice. Through systematic reflection on action and experience, key lessons and themes emerge regarding the nature of voice, participation, feedback loops, accountability and transparency, that will be useful for many others in the development community. This book is a useful resource for academics, practitioners and policy makers in the areas of international development, sustainable development, organizational development, philanthropy, learning communities, monitoring and evaluation and rural development.

How solar could spark a clean-energy transition through transformative innovation—creative financing, revolutionary technologies, and flexible energy systems. Solar energy, once a niche application for a limited market, has become the cheapest and fastest-growing power source on earth. What's more, its potential is nearly limitless—every hour the sun beams down more energy than the world uses in a year. But in Taming the Sun, energy expert Varun Sivaram warns that the world is not yet equipped to harness erratic sunshine to meet most of its energy needs. And if solar's current surge peters out, prospects for replacing fossil fuels and averting catastrophic climate change will dim. Innovation can brighten those prospects, Sivaram explains, drawing on firsthand experience and original research spanning science, business, and government. Financial innovation is already enticing deep-pocketed investors to fund solar projects around the world, from the sunniest deserts to the poorest villages. Technological innovation could replace today's solar panels with coatings as cheap as paint and employ artificial photosynthesis to store intermittent sunshine as convenient fuels. And systemic innovation could add flexibility to the world's power grids and other energy systems so they can dependably channel the sun's unreliable energy. Unleashing all this innovation will require visionary public policy: funding researchers developing next-generation solar technologies, refashioning energy systems and economic markets, and putting together a diverse clean energy portfolio. Although solar can't power the planet by itself, it can be the centerpiece of a global clean energy revolution. A Council on Foreign Relations Book

The definitive introduction to the behavioral insights approach, which applies evidence about human behavior to practical problems. Our behavior is strongly influenced by factors that lie outside our conscious awareness, although we tend to underestimate the power of this “automatic” side of our behavior. As a result, governments make ineffective policies, businesses create bad products, and individuals make unrealistic plans. In contrast, the behavioral insights approach applies evidence about actual human behavior—rather than assumptions about it—to practical problems. This volume in the MIT Press Essential Knowledge series, written by two leading experts in the field, offers an accessible introduction to behavioral insights, describing core features, origins, and practical examples. Since 2010, these insights have opened up new ways of addressing some of the biggest challenges faced by societies, changing the way that governments, businesses, and nonprofits work in the process. This book shows how the approach is grounded in a concern with practical problems, the use of evidence about human behavior to address those problems, and experimentation to evaluate the impact of the solutions. It gives an overview of the approach's origins in psychology and behavioral economics, its early adoption by the UK's pioneering “nudge unit,” and its recent expansion into new areas. The book also provides examples from across different policy areas and guidance on how to run a behavioral insights project. Finally, the book outlines the limitations and ethical implications of the approach, and what the future holds for this fast-moving area.

Harnessing Nanoscale Surface Interactions: Contemporary Synthesis, Applications and Theory provides coverage of contemporary theoretical and experimental approaches to understanding the interactions of molecules with nanomaterial surfaces and how to utilize these processes for improved synthesis and application of materials. The book reviews recently developed theoretical techniques to explore bonding interactions in nanoclusters and small molecules, along with modern molecular dynamics approaches for investigation adsorption of large molecules on nanomaterials. Novel experimental approaches are described that provide improved control of the synthesis of metal nanoparticles and measurement of their absorption properties. The potential for nanomaterials to address a range of environmental problems is also demonstrated by a selection of specific applications. Chapters discuss experimental synthesis approaches, experimental analysis and applications, and theoretical approaches for harnessing nanoscale surface interactions. Includes exploration of the latest theoretical techniques, including regional density functional theory and molecular dynamics simulations Addresses nanoscale interfaces and how they relate to the toxicity of nanomaterials, crucial for potential diagnosis and medical applications

The Boy Who Harnessed the Wind

The Big Unlock

Information Systems and Information Technology

Taming the Sun

Innovations to Harness Solar Energy and Power the Planet

Principle Matters

11 Strategies for Harnessing Your Passion and Becoming an Authentic Financial Advisor

Information technology is a powerful tool for meeting environmental objectives and promoting sustainable development. This collection of papers by leaders in industry, government, and academia explores how information technology can improve environmental performance by individual firms, collaborations among firms, and collaborations among firms, government agencies, and academia. Information systems can also be used by nonprofit organizations and the government to inform the public about broad environmental issues and environmental conditions in their neighborhoods. Several papers address the challenges to information management posed by the explosive increase in information and knowledge about environmental issues and potential solutions, including determining what information is environmentally relevant and how it can be used in decision making. In addition, case studies are described and show how industry is using information systems to ensure sustainable development and meet environmental standards. The book also includes examples from the public sector showing how governments use information knowledge systems to disseminate dœœbest practicesd beyond big firms to small businesses, and from the world of the Internet showing how knowledge is shared among environmental advocates and the general public.

Chemical processes provide a diverse array of valuable products and materials used in applications ranging from health care to transportation and food processing. Yet these same chemical processes that provide products and materials essential to modern economies, also generate substantial quantities of wastes and emissions. Green Chemistry is the utilization of a set of principles that reduces or eliminate the use or generation of hazardous substances in design. Due to extravagant costs needed to managing these wastes, tens of billions of dollars a year, there is a need to propose a way to create less waste. Emission and treatment standards continue to become more stringent, which causes these costs to continue to escalate. Green Chemistry and Engineering describes both the science (theory) and engineering (application) principles of Green Chemistry that lead to the generation of less waste. It explores the use of milder manufacturing conditions resulting from the use of smarter organic synthetic techniques and the maintenance of atom efficiency that can temper the effects of chemical processes.

By implementing these techniques means less waste, which will save industry millions of dollars over time. Chemical processes that provide products and materials essential to modern economies generate substantial quantities of wastes and emissions, this new book describes both the science (theory) and engineering (application) principles of Green Chemistry that lead to the generation of less waste This book contains expert advise from scientists around the world, encompassing developments in the field since 2000 Aids manufacturers, scientists, managers, and engineers on how to implement ongoing changes in a vast developing field that is important to the environment and our lives

Illustrated with abstract and imaginative photographs, this is a philosophical guide for the dance field about the art of teaching modern dance. Integrating somatic theories, scientific research and contemporary aesthetic practices, it asks the reader to reconsider how and why they teach.

In the age of corporate responsibility, green technology and sustainability continue to grip the consciousness of businesses. However, the development of appropriate business-driven green computing applications requires an awareness of the best practices of the green agenda. Green Computing Strategies for Competitive Advantage and Business Sustainability provides emerging research on maintaining an eco-friendly environment regarding cloud computing and promoting reusability. While highlighting competitive advantages, power consumption, and project evaluation, readers will learn about various techniques for reducing energy consumption in cloud performance and information technology systems. This book is a vital resource for academics, researchers, students, professionals, and managers interested in novel trends in green computing applications and technology.

No matter your field, industry, or specialty, as a leader you make a series of crucial decisions every single day. And the harsh truth is that the majority of decisions—no matter how good the intentions behind them—are mismanaged, resulting in a huge toll on organizations, the people they employ, and even the people they serve. So why is it so hard to make sound decisions? In Think Twice, now in paperback, Michael Mauboussin argues that we often fall victim to simplified mental routines that prevent us from coping with the complex realities inherent in important judgment calls. Yet these cognitive errors are preventable. In this engaging book, Mauboussin shows us how to recognize and avoid common mental missteps. These include misunderstanding cause-and-effect linkages, not considering enough alternative possibilities in making a decision, and relying too much on experts. Through vivid stories, the author presents memorable rules for avoiding each error and explains how to recognize when you should “think twice”—questioning your reasoning and adopting decision-making strategies that are far more effective, even if they seem counterintuitive. Armed with this awareness, you'll soon begin making sounder judgment calls that benefit (rather than hurt) your organization.

Advanced Methodologies and Technologies in Engineering and Environmental Science

Green Chemistry and Engineering

High-Impact Strategies - What You Need to Know: Definitions, Adoptions, Impact, Benefits, Maturity, Vendors

Harnessing Nanoscale Surface Interactions

Green Services Engineering, Optimization, and Modeling in the Technological Age

Harnessing the Power of Counterintuition

Harnessing Digital Disruption

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.

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.

The issues of poverty, inequality, racial injustice, and climate change have never been more pressing. This book draws on stories of committed social changemakers to uncover effective principles and practices for social change, distilling a timely set of lessons on how connection, context, and power sit at the heart of the change process.

“A clear and crisply written account of machine intelligence, big data and the sharing economy. But McAfee and Brynjolfsson also wisely acknowledge the limitations of their futurology and avoid over-simplification.” —Financial Times In The Second Machine Age, Andrew McAfee and Erik Brynjolfsson predicted some of the far-reaching effects of digital technologies on our lives and businesses. Now they’ve written a guide to help readers make the most of our collective future. Machine | Platform | Crowd outlines the opportunities and challenges inherent in the science fiction technologies that have come to life in recent years, like self-driving cars and 3D printers, online platforms for renting outfits and scheduling workouts, or crowd-sourced medical research and financial instruments.

"This book discusses the application of information systems to service creation, modeling, and evolution, covering foundational concepts and innovations in service management, service-oriented computing, strategic information systems, and Web services"--Provided by publisher.

Waste Management: Concepts, Methodologies, Tools, and Applications

Sustainable ICTs and Management Systems for Green Computing

Green Computing Strategies for Competitive Advantage and Business Sustainability

Two-Volume Set

Technology, Business and Social Perspectives

Harnessing Free Energy from Nature

The Kybalion: A Study of the Hermetic Philosophy of Ancient Egypt and Greece is a book originally published in 1908 by New Thought author William Walker Atkinson under the pseudonym “The Three Initiates”. This book is not exactly The Kybalion itself, it is more of a critical interpretation by Atkinson on hermetic philosophy. As such, it should be read with this in mind that it is not an authoritative hermetic text, but one only dedicated to Hermes Trismegist. The Kybalion presents seven universal principles it proposes to be the Severn Hermetic Principles: Mentalism, Correspondence, Vibration, Polarity, Rhythm, Cause and Effect, and Gender. These principles are essentially explications of cycles, and before these principles is the notion of the primacy of mind as the cause of All (philosophical mentalism). This idea of mentalism is inspired by what is written about the Mind in The Hermetica. Coinciding with Spiritualism, New Thought, and Theosophy, the book became very popular in New Age movements, particularly with its notion of spiritual and mental alchemy. The Kybalion is a text which must be read with this in mind, while it is an interpretation of hermetic philosophy, it is in part still a relic of its time. Its influence cannot be understated, and the need to read it critically cannot be overstated.

Knowledge is a valuable resource that must be managed well for any organization to thrive. Proper knowledge management practices can improve business processes by creating value, however, the available tools meant to aid in the creation, collection, and storage of information have drastically changed since the emergence of social media. By using this collaborative online application for engaging with information, organizations are able to precisely disseminate knowledge to the correct audience. Harnessing Social Media as a Knowledge Management Tool explores the usage of social media in managing knowledge from multiple dimensions highlighting the benefits, opportunities and challenges that are encountered in using and implementing social media. This publication endeavors to provide a thorough insight into the role of social media in knowledge management from both an organizational and individualistic perspective. This book elucidates emerging strategies perfect for policy makers, managers, advertisers, academics, students, and organizations who wish to effectively manage knowledge through social media.

The Knowledge Solution. Stop Searching, Stand Out and Pay Off. The #1 ALL ENCOMPASSING Guide to Green IT. An Important Message for ANYONE who wants to learn about Green IT Quickly and Easily... ""Here's Your Chance To Skip The Struggle and Master Green IT, With the Least Amount of Effort, In 2 Days Or Less..."" Green computing or green IT, refers to environmentally sustainable computing or IT. In the article Harnessing Green IT: Principles and Practices, San Murugesan defines the field of green computing as ""the study and practice of designing, manufacturing, using, and disposing of computers, servers, and associated subsystems-such as monitors, printers, storage devices, and networking and communications systems-efficiently and effectively with minimal or no impact on the environment."" The goals of green computing are similar to green chemistry; reduce the use of hazardous materials, maximize energy efficiency during the product's lifetime, and promote the recyclability or biodegradability of defunct products and factory waste. Research continues into key areas such as making the use of computers as energy-efficient as possible, and designing algorithms and systems for efficiency-related computer technologies. Get the edge, learn EVERYTHING you need to know about Green IT, and ace any discussion, proposal and implementation with the ultimate book - guaranteed to give you the education that you need, faster than you ever dreamed possible! The information in this book can show you how to be an expert in the field of Green IT. Are you looking to learn more about Green IT? You're about to discover the most spectacular gold mine of Green IT materials ever created, this book is a unique collection to help you become a master of Green IT. This book is your ultimate resource for Green IT. Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Green IT right away. A quick look inside: Green computing, 80 PLUS, Blackle.com, Climate Savers Computing Initiative, Energy Rebate Program,

Evergreen computer, Fit-PC, Gpue, The Green Grid, IT energy management, LatencyTOP, Linutop, PC power management, Power management, PowerTOP, TCO Certification, Trim-Slice, Power factor, Camara (charity), Challenging the Chip, Desktop virtualization, Data migration, Digger gold, Data center infrastructure efficiency, E-Cycling, EDay, Electronic Product Environmental Assessment Tool, Electronic waste, Electronic Waste Recycling Act, Hibernation (computing), Interconnect bottleneck, Thunderbolt (interface), Minimalism (computing), Optical communication, Optical fiber cable, Optical interconnect, Parallel optical interface, Performance per watt, Plug computer, Power usage effectiveness, Rebound effect (conservation), Restriction of Hazardous Substances Directive, Standby power, Sustainable Electronics Initiative, Thin client, Time-sharing, Trashware, Virtual Application ...and Much, Much More! This book explains in-depth the real drivers and workings of Green IT. It reduces the risk of your technology, time and resources investment decisions by enabling you to compare your understanding of Green IT with the objectivity of experienced professionals - Grab your copy now, while you still can.

Harnessing the wind can be a tricky business, but in this ground-breaking book the authors provide step-by-step, illustrated instructions for building a wind generator in a home workshop and then installing it in an off-grid home electrical system. Even if you don't plan on building your own turbine, this book is packed with valuable information for anyone considering wind energy. It covers the basic physics of how the energy in moving air is turned into electricity, and most importantly, it will give you a realistic idea of what wind energy can do for you--and what it can't.

"This book focuses on information technology using sustainable green computing to reduce energy and resources used"--Provided by publisher.

Green Business: Concepts, Methodologies, Tools, and Applications

Computing Handbook

The Systems Work of Social Change

Incentives and Safeguards

Big Data Analytics

Objects, Experiences and Empathy

A Hands-on Guide to Harnessing the Wind

"Foreword by John G. Peluso, JR, president, Wells Fargo Advisors Financial Network, LLC."--Jacket cover.

Emotionally Durable Design presents counterpoints to our 'throwaway society' by developing powerful design tools, methods and frameworks that build resilience into relationships between people and things. The book takes us beyond the sustainable design field's established focus on energy and materials, to engage the underlying psychological phenomena that shape patterns of consumption and waste. In fluid and accessible writing, the author asks: why do we discard products that still work? He then moves forward to define strategies for the design of products that people want to keep for longer. Along the way we are introduced to over twenty examples of emotional durability in smart phones, shoes, chairs, clocks, teacups, toasters, boats and other material experiences. Emotionally Durable Design transcends the prevailing doom and gloom rhetoric of sustainability discourse, to pioneer a more hopeful, meaningful and resilient form of material culture. This second edition features pull-out quotes, illustrated product examples, a running glossary and comprehensive stand firsts; this book can be read cover to cover, or dipped in-and-out of. It is a daring call to arms for professional designers, educators, researchers and students from in a range of disciplines from product design to architecture; framing an alternative genre of design that reduces the consumption and waste of resources by increasing the durability of relationships between people and things.

This textbook applies basic concepts of ecology to address critical issues regarding food and agricultural systems. The intended audience is first year undergraduate students; it may also benefit higher-level undergraduates with an interest in agriculture and ecology. The level of science and general knowledge reflects this target group. The text is divided into five sections with 22 chapters in all. Each chapter has its own student learning objectives. The first two sections, "Context of Agroecology" and "Basics of Agroecosystems," provide a sound basis for the further study of agriculture from an ecological standpoint. Section 3, "Digging Deeper into Agroecosystems," explores the related issues of hunger, wastes, climate change, and biodiversity. It is suggested that students study these three sections before proceeding to section 4 or 5. Section 4, "Application of Agroecosystem Concepts," introduces students to agricultural production and challenges them to use the concepts and ideas from the first three sections to critically evaluate such production systems. Section 5, "Agroecosystem Management," brings the coverage full circle by examining global solutions and opportunities from both a scientific and social economic standpoint. Particularly these last four chapters offer both food for thought and inspiration for further work. The book's goal is not to provide a comprehensive literature review; rather, it offers extensive data on and a stimulating analysis of the topic.

This two volume set of the Computing Handbook, Third Edition (previously the Computer Science Handbook) provides up-to-date information on a wide range of topics in computer science, information systems (IS), information technology (IT), and software engineering. The third edition of this popular handbook addresses not only the dramatic growth of computing as a discipline but also the relatively new delineation of computing as a family of separate disciplines as described by the Association for Computing Machinery (ACM), the IEEE Computer Society (IEEE-CS), and the Association for Information Systems (AIS). Both volumes in the set describe what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century. Chapters are organized with minimal interdependence so that they can be read in any order and each volume contains a table of contents and subject index, offering easy access to specific topics. The first volume of this popular handbook mirrors the modern taxonomy of computer science and software engineering as described by the Association for Computing Machinery (ACM) and the IEEE Computer Society (IEEE-CS). Written by established leading experts and influential young researchers, it examines the elements involved in designing and implementing software, new areas in which computers are being used, and ways to solve computing problems. The book also explores our current understanding of software engineering and its effect on the practice of software development and the education of software professionals. The second volume of this popular handbook demonstrates the richness and breadth of the IS and IT disciplines. The book explores their close links to the practice of using, managing, and developing IT-based solutions to advance the goals of modern organizational environments. Established leading experts and influential young researchers present introductions to the current status and future directions of research and give in-depth perspectives on the contributions of academic research to the practice of IS and IT development, use, and management.

Along with a shift towards value-based care, a digital transformation is under way in health care. However, health care enterprises are having a hard time keeping up with advances in information technology. Organizations that could once spend months or years developing a strategy to deliver solutions now must implement changes on a near real-time basis. Complicating matters is the emergence of new data sources, new technology architectures and models, and new methods to analyze an avalanche of data. This book provides a framework for understanding the competitive landscape for digital health and advanced analytics solutions that are harnessing data to unlock insights. It reveals a set of key principles, or universal themes, for success in the digital health marketplace. Whether you're a health care information technology specialist, a digital health startup or technology firm with a strategic focus on health care, a venture capitalist, or just interested in the industry structure and the emerging technology landscape in health care, you'll learn how to grow revenue and profits while creating a sustainable competitive advantage. Take a key step in navigating the exciting transformation of health care, and harness the power of data and analytics with The Big Unlock.

Concepts, Methodologies, Tools, and Applications

The Pressure Principle

Proceedings of CSI 2015

Data Driven: Harnessing Data and AI to Reinvent Customer Engagement

Techniques and Principles

Harnessing the Power of Collective Learning

International and Interdisciplinary Studies in Green Computing

This volume comprises the select proceedings of the annual convention of the Computer Society of India. Divided into 10 topical volumes, the proceedings present papers on state-of-the-art research, surveys, and succinct reviews. The volumes cover diverse topics ranging from communications networks to big data analytics, and from system architecture to cyber security. This volume focuses on Big Data Analytics. The contents of this book will be useful to researchers and students alike.

Harnessing Foreign Investment to Promote Environmental Protection investigates the main challenges facing the implementation of environmental protection and the synergies between foreign investment and environmental protection. Adopting legal, economic and political perspectives, the contributing authors analyse the various incentives which encourage foreign investment into pro-environment projects (such as funds, project-finance, market mechanisms, payments-for-ecosystem services and insurance) and the safeguards against its potentially harmful effects (investment regulation, CSR and accountability mechanisms, contracts and codes of conduct).

Our world has changed, probably for good. Until now, the shift from brick-and-mortar to the smartphone has been about service, cost, and convenience. Now, it's also a matter of public health. How do we win this uncertain new game? How do we prosper in a digital world? In a cool, readable style **Harnessing Digital Disruption: How Companies Win with Design Thinking, Agile, and Lean Startup** tells the story of a major multi-national organization facing digital disruption and looming irrelevance. In a compelling novel format, the book demonstrates how to harness the power of digital technology, methods and thinking on the path to revival and prosperity. It illustrates the situations, characters, and blockers you'll likely face as you progress through your journey. The setting is Singapore and the heady world of international banking, but the prescription, methods and lessons apply equally to manufacturers, utilities, hospitals, insurers, and government agencies. You will learn how to:
· Develop your Digital Transformation strategy and Innovation Portfolio
· Reform customer journeys, launch new digital offerings, and validate new beta businesses
· Develop senior leader digital literacy, and understanding of growth leadership
· De-risk your journey using a proven overall approach based on proven principles
· Cultivate a network of pragmatic entrepreneurs practicing a structured scalable innovation process
This book offers clear and compelling guidance on what it takes to transform your organization for a digital world. Each chapter includes Study Questions to facilitate learning and discussion in workshop and classroom settings. .

The ever-increasing awareness and growing focus on environmental issues such as climate change and energy use is bringing about an urgency in expanding research to provide possible solutions to these problems. Through current engineering research and emerging technologies, scientists work to combat modern environmental and ecological problems plaguing the globe. Advanced Methodologies and Technologies in Engineering and Environmental Science provides emerging research on the current and forthcoming trends in engineering and environmental sciences to resolve several issues plaguing researchers such as fossil fuel emission and climate change. While highlighting these challenges, including chemical toxicity environmental responsibility, readers will learn how engineering applications can be used across disciplines to aid in reducing environmental hazards. This book is a vital resource for engineers, researchers, professors, academicians, and environmental scientists seeking current research on how engineering tools and technologies can be applied to environmental issues. This book examines various ways of making computing and information systems greener -- environmentally sustainable -- as well as several means of using Information Technology (IT) as a tool and an enabler to improve the environmental sustainability. The book focuses on both greening of IT and greening by IT -- complimentary approaches to attaining environmental sustainability. This book comprehensively covers several key aspects of Green IT - green technologies, design, standards, maturity models, strategies and adoption -, and presents a clear approach to greening IT encompassing green use, green disposal, green design, and green manufacturing. It also illustrates how to strategically apply green IT in practice in several areas.

Emotionally Durable Design

Harnessing Data and Growing Digital Health Businesses in a Value-Based Care Era

Machine, Platform, Crowd: Harnessing Our Digital Future

Principles and Practices

The Art of Teaching Modern Dance

Encyclopedia of Information Science and Technology, Fourth Edition

Feedback, accountability and constituent voice in rural development

Axiom Business Book Award Silver Medalist in Business Technology The indispensable guide to data-powered marketing from the team behind the data management platform that helps fuel Salesforce's #1 customer relationship management (CRM) company in the world A tectonic shift in the practice of marketing is underway. Digital technology, social media, and access information, order products, and shop for services. Using the latest technologies?cloud, mobile, social, internet of things (IoT), and artificial intelligence (AI)?we have more data about consumers and their needs, wants, and affinities than ever before. Data Driven will show you how to:
?Target and delight your customers with unprecedented accuracy and success
?Engage, purchase, and remain loyal?Capture, organize, and analyze data from every source and activate it across every channel?Create a data-powered marketing strategy that can be customized for any audience?Serve individual consumers with highly personalized interactions?Deliver better customer service for the best customer experience?Improve your product
?predict the future direction of markets
You'll discover the three principles for building a successful data strategy and the five sources of data-driven power. You'll see how top companies put these data-driven strategies into action: how Pandora used second- and third-hand data to learn more about its listeners; how Georgia-Pacific moved from scarcity to abundance; how CRM data as a force multiplier for customer engagement. And if you're wondering what the future holds, you'll receive seven forecasts to better prepare you for what may come next. Sure to be a classic, Data Driven is a practical road map to the modern marketing landscape and a toolkit for success in the face of changes already underway and still to come.

Concerns surrounding environmental sustainability have led to an increase of interest in environmentally-friendly systems. In the ICT realm, attention has been largely paid to green aspects of hardware; however, it is equally necessary to address this issue from the software perspective. Green Services Engineering, Optimization, and Modeling in the Technological Age research on the implementation of green processes into software systems, contributing novel principles, methodologies, and tools to improve software development. Featuring comprehensive and timely coverage on various areas in service strategy and modeling, engineering, and sustainability, this publication is a pivotal reference source for researchers, practitioners and students in the development realm.

The coach who taught Jonny Wilkinson how to deal with pressure now shows all of us how to cope with life's challenges Pressure is a constant in our lives. The pressure to hit a deadline, deliver that speech, interview for the job we really want - they are all challenges we need to meet. Like a footballer taking a penalty or a golfer making a putt, how we respond to pressure is what counts. Performance coach who works with the world's top sports stars and teams - from rugby's Jonny Wilkinson to Premiership footballers and golfers - helping them deliver when the tension is at its most extreme. In The Pressure Principle he finally shares his eight groundbreaking principles and shows how we can all apply them to our lives. From how a child-like approach to face an audience, to why language is the ultimate performance-enhancing drug, Pressure is the definitive guide to dealing with our challenges. Packed with accessible stories and tips, it shows how we can harness pressure to produce our best at home, at work, and in our sport or exercise - by the man who has spent his life coaching the very best. 'Dave Alred is an expert on pressure' - Jonny Wilkinson Dr Dave Alred MBE is an elite performance coach who has worked with some of the biggest names in sport. His clients have included rugby's Jonny Wilkinson, George Ford and Johnny Sexton, golfers Luke Donald, Brad Kennedy and Pdraig Harrington, the England Rugby team (four World Cups), the British Lions (three tours), the Springboks, the England national football team, Manchester City, Sunderland, Watford and Newcastle. He holds a PhD in Performing under Pressure from Loughborough University. A genuine pioneer in performance mindset and attitude, his approach optimises the abilities of sports and business people alike.

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 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 owners, academicians, and researchers actively involved in the business industry.

Now a Netflix film starring and directed by Chivwetel Ejiofor, this is a gripping memoir of survival and perseverance about the heroic young inventor who brought electricity to his Malawian village. When a terrible drought struck William Kamkwamba's tiny village in Malawi, his family lost all of the season's crops, leaving them with nothing to eat and nothing to sell. With no money, no library, looking for a solution. There, he came up with the idea that would change his family's life forever: he could build a windmill. Made out of scrap metal and old bicycle parts, William's windmill brought electricity to his home and helped his family pump the water they needed to farm the land. Retold for a younger audience, this exciting memoir shows how, even in the most difficult of circumstances, you can change the world. Complete with photographs, illustrations, and an epilogue that will bring readers up to date on William's story, this is the perfect edition to read and share with the whole family.

Information Systems and the Environment

The Energy Evolution

Handle Stress, Harness Energy, and Perform When It Counts

How Companies Win with Design Thinking, Agile, and Lean Startup

Proceedings of CIMPS 2016

Harnessing Foreign Investment to Promote Environmental Protection
Contemporary Synthesis, Applications and Theory

Computing Handbook, Third Edition: Information Systems and Information Technology demonstrates the richness and breadth of the IS and IT disciplines. The second volume of this popular handbook explores their close links to the practice of using, managing, and developing IT-based solutions to advance the goals of modern organizational environments. Established leading experts and influential young researchers present introductions to the current status and future directions of research and give in-depth perspectives on the contributions of academic research to the practice of IS and IT development, use, and management Like the first volume, this second volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

Young Readers Edition

Introduction to Agroecology

Harnessing the Wind

Computing Handbook, Third Edition

Green It

A Study of The Hermetic Philosophy of Ancient Egypt and Greece

Behavioral Insights