

Breakthrough Towards The Internet Of Things Springer

Breakthrough will help executives lead their teams to peerless, unsurpassed performance by helping them define a grand goal and engage the organization to pursue and achieve that goal, no matter how difficult the challenge seems. Based on a ten-year landmark study of more than seventy bold, breakthrough companies such as IBM, Dayton-Hudson, Progressive Insurance, EMC, American Standard, Charles Schwab, and Dell Computer, the book shows how these remarkable companies adopted outrageous objectives and then did what it takes to achieve remarkable results.

Dot-com infrastructure failures often make headlines -- and in most cases, they're directly attributable to underlying architectural shortcomings. In this book, Sun consultants offer expert guidance on next-generation architecture for dot-coms -- and on the related design and implementation issues that are critical to every Internet-focused business. Dot-Com & Beyond reviews today's most powerful Internet-related opportunities for improving business efficiency, reaching new markets, and establishing "time-based" value chains. It then provides comprehensive guidance on implementing IT architectures that can support these new applications. The book introduces Sun's exclusive "3-dimensional methodology," and the key architectural, design, and implementation practices needed to create an effective Internet infrastructure. Discover how to build architectures that last, by designing for systematic qualities; how to manage dot-com projects effectively; and what future dot-com infrastructures will look like. The book also contains a start-to-finish case study drawn from an actual project at a leading Fortune 500 company. For all developers, system architects, e-commerce managers, and other IT professionals seeking better ways to leverage Internet technologies.

This book is an excellent best-practice guide for senior managers and directors with innovation responsibilities. It describes how organisations of all sizes and sectors can apply design thinking principles coupled with commercial awareness to their innovation agenda. It explains how to keep the customer experience at the centre of innovation efforts and when to apply the range of available practices. It provides a clear, extensive rationale for all advice and techniques offered. Design thinking has become the number one innovation methodology for many businesses, but there has been a lack of clarity about how best to adopt it. It often requires significant mindset and behavioural changes and managers must have a coherent and integrated understanding in order to guide its adoption effectively. Many design thinking implementations are inadequate or sub-optimal through focusing too much on details of individual methods or being too abstract, with ill-defined objectives. This book uniquely provides integrated clarity and rationale across all levels of design thinking practice and introduces the ARRIVE framework for design thinking in business innovation, which the authors have developed over ten years of practice and research. ARRIVE = Audit – Research – Reframe – Ideate – Validate – Execute. The book contains a chapter for each of A-R-R-I-V-E, each of which has explanatory background and step-by-step methods instruction in a clear and standard format. Using the ARRIVE framework, the book provides high-level understanding, rationale and step-by-step guidance for CEOs, senior innovation leaders, innovation project managers and design practitioners in diverse public and private sectors. It applies equally well to innovation of products, services or systems.

Intends to analyze the abuse of the internet for terrorism and crime purposes under two new perspectives: the persuasion and involvement of women and children as specific target user groups, and the development of new strategies to use extremist web forums as an open book in order to understand and gain insight into terrorist thinking.

Deep TechDemystifying the Breakthrough Technologies That Will Revolutionize EverythingDeep Tech Press

The book aims to integrate the aspects of IoT, Cloud computing and data analytics from diversified perspectives. The book also plans to discuss the recent research trends and advanced topics in the field which will be of interest to academicians and researchers working in this area. Thus, the book intends to help its readers to understand and explore the spectrum of applications of IoT, cloud computing and data analytics. Here, it is also worth mentioning that the book is believed to draw attention on the applications of said technology in various disciplines in order to obtain enhanced understanding of the readers. Also, this book focuses on the researches and challenges in the domain of IoT, Cloud computing and Data analytics from perspectives of various stakeholders.

Inside this book you will discover techniques that allow network marketers to build massive downlines in one year which would otherwise take 10 years. Anyone who desires to understand true marketing principles and how to apply them to your MLM business should read this book. The old tactics of nagging your family and friends are gone . welcome to the new and refreshing way of growing your business!

In a stunning rebuke to a large group of naysayers, Jim Rohwer convincingly argues that the Asian financial crisis of 1997-1998 was not a turn for the worse; rather it was short-lived and helped rid Asian markets of many of the problems that were holding it back. Now, while most analysts go wild over the American economy, Rohwer provides the key insights into why America is due for a slowdown while Asia is poised for tremendous growth and opportunity. Jim Rohwer has long experience in Asia as both a journalist and a business executive. The highly informed account in Remade in America comes from his own on-the-ground observation and analysis, as well as knowing all the major players in business, government, and the media in both America and Asia. Telling, in-depth interviews with people ranging from Lee Kuan Yew, the former prime minister of Singapore, and Jack Welch, the CEO of General Electric, result in deep insights into Asia's great potential. The future of Asia is as much about the United States as it is about Asia, for the forces that revolutionized the American economy in the last twenty years provide the clues for what is to come in Asia. The key to Asian growth is understanding how Asian companies have learned from the strengths of both American and Asian business models. Remade in America clearly charts how Asian industries have started managing themselves based on American standards of corporate, technological, and economic performance that began to be adopted in the late 1990s, while incorporating their own strengths of cooperative corporate and social organization. Asia is ideally suited to take advantage of the Internet revolution, and we are only now starting to see its enormous potential in this area. Rohwer's insightful analysis of Japan, China, Taiwan, South Korea, and Southeast Asia shows how, as these countries start to combine the ruthlessly efficient market democracy and accountability that America pioneered with the Asian domination of dispersed manufacturing and assembly of components, there will be major opportunities both for American corporations and for investors. In addition, technology will not only enable Asian economies to improve on their traditional strengths, it will also help Asia greatly improve its traditional poor performance in services and distribution. Remade in America is a provocative and useful book, not only for those with direct business interests in Asia but also for readers who want an informed look at this dynamic and important part of the world. There will be a new Asia, Inc., one in which such matters as finance and technology will be handled in an American way

while people will be managed along Asian lines in their interactions -- a powerful combination that we ignore at our peril.

The IoT is the next manifestation of the Internet. The trend started by connecting computers to computers, progressed to connecting people to people, and is now moving to connect everything to everything. The movement started like a race—with a lot of fanfare, excitement, and cheering. We're now into the work phase, and we have to figure out how to make the dream come true. The IoT will have many faces and involve many fields as it progresses. It will involve technology, design, security, legal policy, business, artificial intelligence, design, Big Data, and forensics; about any field that exists now. This is the reason for this book. There are books in each one of these fields, but the focus was always "an inch wide and a mile deep." There's a need for a book that will introduce the IoT to non-engineers and allow them to dream of the possibilities and explore the work venues in this area. The book had to be "a mile wide and a few inches deep." The editors met this goal by engaging experts from a number of fields and asking them to come together to create an introductory IoT book. Fundamentals of Internet of Things for Non-Engineers Provides a comprehensive view of the current fundamentals and the anticipated future trends in the realm of Internet of Things from a practitioner's point of view Brings together a variety of voices with subject matter expertise in these diverse topical areas to provide leaders, students, and lay persons with a fresh worldview of the Internet of Things and the background to succeed in related technology decision-making Enhances the reader's experience through a review of actual applications of Internet of Things end points and devices to solve business and civic problems along with notes on lessons learned Prepares readers to embrace the Internet of Things era and address complex business, social, operational, educational, and personal systems integration questions and opportunities Breakthrough Problem Solving with Action Learning explores why and how action learning groups have been so successful and creative in solving complex problems. The text begins by briefly reviewing the theories that undergird the effectiveness of action learning, philosophically situating readers and pointing them in the direction of related academic works that they may wish to explore. It then turns to stories of how organizations have employed action learning in solving specific, often-encountered business problems. These cases not only serve as real-world models for how action learning can be successfully employed, but also offer inspiration and potential starting points and guidelines for other businesses that face similar problems. The book concludes with a cross-case analysis that pinpoints the ingredients necessary for breakthrough problem solving via action learning.

Reboot student learning the right way! Today's most successful school leaders are truly "learning engineers": creative thinkers who redefine their problems and design new ways to better serve kids' success. Technology has a critical role, but it's the creative reinvention of schools, systems, and classrooms that has to come first. In this powerful book, best-selling author and education policy expert Rick Hess and chief learning officer Bror Saxberg show you how to become your school's learning engineer. Using cutting-edge research about learning science as a framework, you'll: Identify specific learning problems that need solving Devise smarter ways to address them Implement technology-enabled, not technology-driven, solutions

Modern organizations are critically dependent on data communications and network systems utilized in managing information and communications, vital to continuity and success of operations. "Breakthrough Perspectives in Network and Data Communications Security, Design and Applications" addresses key issues and offers expert viewpoints into the field of network and data communications, providing the academic, information technology, and managerial communities with the understanding necessary to implement robust, secure, and effective solutions. This much-needed addition to library and professional collections offers a matchless set of high quality research articles and premier technologies to address the most salient issues in network and data communications.

These proceedings include a collection of papers on a range of topics presented at the 12th World Congress on Engineering Asset Management (WCEAM) in Brisbane, 2 – 4 August 2017. Effective strategies are required for managing complex engineering assets such as built environments, infrastructure, plants, equipment, hardware systems and components. Following the release of the ISO 5500x set of standards in 2014, the 12th WCEAM addressed important issues covering all aspects of engineering asset management across various sectors including health. The topics discussed by the congress delegates are grouped into a number of tracks, including strategies for investment and divestment of assets, operations and maintenance of assets, assessment of assets' health conditions, risk and vulnerability, technologies, and systems for management of assets, standards, education, training and certification.

The acclaimed editor of The New York Times Book Review takes readers on a nostalgic tour of the pre-Internet age, offering powerful insights into both the profound and the seemingly trivial things we've lost. Remember all those ingrained habits, cherished ideas, beloved objects, and stubborn preferences from the pre-Internet age? They're gone. To some of those things we can say good riddance. But many we miss terribly. Whatever our emotional response to this departed realm, we are faced with the fact that nearly every aspect of modern life now takes place in filtered, isolated corners of cyberspace—a space that has slowly subsumed our physical habitats, replacing or transforming the office, our local library, a favorite bar, the movie theater, and the coffee shop where people met one another's gaze from across the room. Even as we've gained the ability to gather without leaving our house, many of the fundamentally human experiences that have sustained us have disappeared. In one hundred glimpses of that pre-Internet world, Pamela Paul, editor of The New York Times Book Review, presents a captivating record, enlivened with illustrations, of the world before cyberspace—from voicemails to blind dates to punctuation to civility. There are the small losses: postcards, the blessings of an adolescence largely spared of documentation, the Rolodex, and the genuine surprises at high school reunions. But there are larger repercussions, too: weaker memories, the inability to entertain oneself, and the utter demolition of privacy. 100 Things We've Lost to the Internet is at once an evocative swan song for a disappearing era and, perhaps, a guide to reclaiming just a little bit more of the world IRL.

WIPO's latest World Intellectual Property Report (WIPR) explores the role of IP at the nexus of innovation and economic growth, focusing on the impact of breakthrough innovations.

The past 50 years have witnessed a revolution in computing and related communications technologies. The contributions of industry and university researchers to this revolution are manifest; less widely recognized is the major role the federal government played in launching the computing revolution and sustaining its momentum. Funding a Revolution examines the history of computing since World War II to elucidate the federal government's role in funding computing research, supporting the education of computer scientists and engineers, and equipping university research labs. It reviews the economic rationale for government support of research, characterizes federal support for computing research, and summarizes key historical advances in which government-sponsored research played an important role. Funding a Revolution contains a series of case studies in relational databases, the Internet, theoretical computer science, artificial intelligence, and virtual reality that demonstrate the complex interactions among government, universities, and industry that have driven the field. It offers a series of lessons that identify factors contributing to the success of the nation's computing enterprise and the government's role within it.

This book constitutes the joint refereed proceedings of seven international workshops held as part of OTM 2004 in Agia Napa, Cyprus in October 2004. The 73 revised papers presented together with 31 abstracts of posters from the OTM main conferences were carefully reviewed and selected from more than 150 submissions. In accordance with the 7 workshops, the papers are organized in topical sections on grid computing and its applications to data analysis; Java technologies for real-time and embedded systems; modeling inter-organizational systems; regulatory ontologies; ontologies, semantics and e-learning; PhD symposium; and interoperability.

In this second volume of Breakthrough: From Innovation to Impact, The Owls Foundation offers a new series of case

studies and interviews, including how Paul Polman reshaped Unilever, FW de Klerk's involvement in the Global Leadership Foundation and Jan Peter Balkenende put innovation at the heart of his programme as Prime Minister of The Netherlands. We also examine the idea of the circular economy, reveal how a family firm can survive and prosper in the era of multinational giants, and show how innovative projects have transformed healthcare in the United States and The Netherlands. Innovation is the lifeblood of modern society. We offer a wide range of examples of how innovation has shaped our world, from technology to science to politics. In all these case studies we apply The Owls' unique formulae to analyse the root causes of successful innovation and explain how they can work for anyone.

2012 International Conference on Software Engineering, Knowledge Engineering and Information Engineering (SEKEIE 2012) will be held in Macau, April 1-2, 2012. This conference will bring researchers and experts from the three areas of Software Engineering, Knowledge Engineering and Information Engineering together to share their latest research results and ideas. This volume book covered significant recent developments in the Software Engineering, Knowledge Engineering and Information Engineering field, both theoretical and applied. We are glad this conference attracts your attentions, and thank your support to our conference. We will absorb remarkable suggestion, and make our conference more successful and perfect.

This book constitutes the refereed proceedings of the International Workshop on Internet of Things, IOT 2012, held in Changsha, China, during August 17-19. The 95 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on wireless sensor networks; RFID; sensors and equipments; data processing; security; applications and others.

Are you ready to harness the next big tech opportunity? The world of "deep tech" has launched seven simultaneous global revolutions: artificial intelligence, augmented and virtual reality, blockchain and cryptocurrencies, the Internet of Things, autonomous vehicles, 3D printing, and quantum computing—a perfect storm that will drive the global economy for the next decade, to the tune of over \$100 trillion. Deep Tech outlines the promise (and potential perils) hidden within each of these emerging technology revolutions, all poised to explode into the mainstream market. Whether you're a Fortune 100 executive or a hungry entrepreneur, Deep Tech will teach you to become fluent in deep tech—both its language and its possibilities—preparing you to take part in the decade's greatest opportunities.

How to get more innovation and more equality. Is economic inequality the price we pay for innovation? The amazing technological advances of the last two decades—in such areas as artificial intelligence, genetics, and materials—have benefited society collectively and rewarded innovators handsomely: we get cool smartphones and technology moguls become billionaires. This contributes to a growing wealth gap; in the United States; the wealth controlled by the top 0.1 percent of households equals that of the bottom ninety percent. Is this the inevitable cost of an innovation-driven economy? Economist Joshua Gans and policy maker Andrew Leigh make the case that pursuing innovation does not mean giving up on equality—precisely the opposite. In this book, they outline ways that society can become both more entrepreneurial and more egalitarian. All innovation entails uncertainty; there's no way to predict which new technologies will catch on. Therefore, Gans and Leigh argue, rather than betting on the future of particular professions, we should consider policies that embrace uncertainty and protect people from unfavorable outcomes. To this end, they suggest policies that promote both innovation and equality. If we encourage innovation in the right way, our future can look more like the cheerful techno-utopia of Star Trek than the dark techno-dystopia of The Terminator.

Transcending Transaction examines recent attempts to show how, in theory and history, market transaction can emerge from the unregulated interaction of competitive traders. Alan Shipman examines the legal, informational, organisational, social and financial foundations of market trade, focusing on the possible routes by which it could arise without the influence of pre-market social conventions or political structures.

In an increasingly globalised built environment industry, achieving higher levels of integration across organisational and software boundaries can lead to improved economic, social and environmental outcomes. This book is the direct result of a collaborative global network of industry and academic researchers spread across nine countries as part of CIB's (International Council for Research and Innovation in Building and Construction) Task Group 90 (TG90) Information Integration in Construction (IICON). The book provides a broad view of some of the opportunities and challenges brought by integrating information across organisational and system boundaries in the built environment industry. Chapters cover a large range of topics and are separated into three sections: resources, processes and added value. They provide a much-needed international perspective on a current global evolution in the industry and present leading original research and valuable lessons for researchers, industry practitioners, government clients and policy makers across the industry. Key features include: a broad range of topics that are not covered elsewhere in the literature; contributions from a diverse group of industry research leaders from across the globe; exemplar case studies providing real-world examples of where information integration has been a key factor for success or lack thereof has been at the root cause of failure; an analysis of future priority areas for research and development investment as well as their strategic implications for public and private decision-makers; the book will deliver innovation in best practice methodology for information sharing across disciplines and between the design, construction and asset management sectors.

This new edition of Friedman's landmark book explains the flattening of the world better than ever— and takes a new measure of the effects of this change on each of us.

In this book, leading international scholars examine the way new media is reshaping lives and politics. Covering topics from women's rights to terrorism, and countries from Israel to Saudi Arabia, these authors explore the global and regional ramifications of the proliferation of communication technologies and the information they disseminate.

He covers the anti-trust case against Microsoft; the successes of eBay, Amazon, Yahoo, and Google; road-kills along the information highway such as the forgotten eToys; as well as the Enron implosion and other corporate scandals. After tracing this

amazing story he concludes that the illegal practices and the ensuing USD7 trillion loss in equity markets slowed the Internet revolution but could not snuff it out, and with worldwide economic recovery e-business surges onward.

This book aims to provide relevant theoretical frameworks and the latest empirical research findings in Internet of Things (IoT) in Management Science and Operations Research. It starts with basic concept and present cases, applications, theory, and potential future. The contributed chapters to the book cover wide array of topics as space permits. Examples are from smart industry; city; transportation; home and smart devices. They present future applications, trends, and potential future of this new discipline. Specifically, this book provides an interface between the main disciplines of engineering/technology and the organizational, administrative, and planning capabilities of managing IoT. This book deals with the implementation of latest IoT research findings in practice at the global economy level, at networks and organizations, at teams and work groups and, finally, IoT at the level of players in the networked environments. This book is intended for professionals in the field of engineering, information science, mathematics, economics, and researchers who wish to develop new skills in IoT, or who employ the IoT discipline as part of their work. It will improve their understanding of the strategic role of IoT at various levels of the information and knowledge organization. The book is complemented by a second volume of the same editors with practical cases.

Schiller explores how corporate domination is changing the political and social underpinnings of the Internet. He argues that the market driven policies which govern the Internet are exacerbating existing social inequalities.

As long as worldly love continues to be considered our means of salvation, we will forever experience war, greed, hunger, disease, homelessness, and every other form of pain and suffering that the dream can create. This book is not about vastly improving worldly love into something newer, better, and bigger. That strategy has gone on for centuries, yet world peace has never been achieved. This book is one soul's humble yet dedicated attempt to truly connect with those who will listen, and inspire them to stop and hear the magnificence of their heart; and to put aside the ego's insane influence and ask one simple question: "What has my strong allegiance to the illusions of this world truly created in my life?"

This book, the first published by The Owls Foundation, tells you how brilliant ideas and inventions can be transformed into innovations and breakthroughs that make a real impact, and analyses why others fail. In the global world of today there is great interdependency. No country, no institution, no company can do it alone. And we cannot ignore the international context. On top of that, no innovation comes on its own. The active engagement and quality of the leading figures who are interviewed is one of the distinguishing features of this project. These remarkable individuals were generous with their time and thought hard to reflect on their experiences.

Discover Your Next Breakthrough Idea Every company starts with one idea—that one passion that keeps you up at night, gets you up every morning, and drives you to create something bigger than yourself. Turning an idea into a thriving business requires more than just passion. You'll need to think big, take risks, and be able to step back and recognize game-changing ideas that may already be in front of you. Those are your aha! moments. Business growth expert and serial entrepreneur Scott Duffy shares his journey and the aha! moments that led to launching and selling new businesses to innovators like Richard Branson's Virgin Group. Duffy also shares the stories of entrepreneurs who have turned their ideas into multi-million-dollar businesses, like Shaun White, Tony Robbins, Daymond John, and Gary Vaynerchuck, to help you: Be a nimble leader who makes quick buy smart decisions Unlock hidden gems in your business with the power of finding your "Why?" Apply growth strategies designed to scale your business in today's economy Build a positive company culture by bringing in the right people Determine which next step is right for your business after launch Create sustainability with efficient, effective processes Learn from your mistakes and turn failures into fortunes

Artificial intelligence (AI) is taking an increasingly important role in our society. From cars, smartphones, airplanes, consumer applications, and even medical equipment, the impact of AI is changing the world around us. The ability of machines to demonstrate advanced cognitive skills in taking decisions, learn and perceive the environment, predict certain behavior, and process written or spoken languages, among other skills, makes this discipline of paramount importance in today's world. Although AI is changing the world for the better in many applications, it also comes with its challenges. This book encompasses many applications as well as new techniques, challenges, and opportunities in this fascinating area.

Click on Democracy examines the first national election in which the Internet played a major role. The contributors argue that the Internet's most profound political impact on Election 2000 has largely been missed or underestimated. The reason: the difference it made was more social than electoral, more about building political communities than about generating votes and money. The contributors to Click on Democracy talk at length with the people who are using the Internet in new and effective ways, and who are capitalizing on the Internet's power as a networking tool for civic action. Viewed from this bottom-up perspective, the Internet emerges as an exciting and powerful source of renewal for civic engagement. The new foreword is from Scott Heiferman and William Finkel, both of Meetup, Inc.

One of the main features of the world economy since the late nineteenth century has been the growing dominance of the American economy in both quantitative and qualitative terms. Aspects of this development - e.g. rationalization or the world-wide diffusion of Coca-Cola - have been researched, but largely in isolation. Americanization of the European Economy provides a comprehensive yet compact survey of the growth of American economic influence in Europe since the 1880s. Three distinct but cumulative waves of Americanization are identified. Americanization was (and still is) a complex process of technological, political, and cultural transfer, and this overview explains why and how the USA and the American model of industrial capitalism came to be accepted as the dominant paradigm of political economy in today's Europe. Americanization of the European Economy summarizes the ongoing discussion by business historians, sociologists, and political scientists and makes it accessible to all types of readers who are interested in political and economic development.

This book highlights state-of-the-art research on big data and the Internet of Things (IoT), along with related areas to ensure efficient and Internet-compatible IoT systems. It not only discusses big data security and privacy challenges, but also energy-efficient approaches to improving virtual machine placement in cloud computing environments. Big data and

the Internet of Things (IoT) are ultimately two sides of the same coin, yet extracting, analyzing and managing IoT data poses a serious challenge. Accordingly, proper analytics infrastructures/platforms should be used to analyze IoT data. Information technology (IT) allows people to upload, retrieve, store and collect information, which ultimately forms big data. The use of big data analytics has grown tremendously in just the past few years. At the same time, the IoT has entered the public consciousness, sparking people's imaginations as to what a fully connected world can offer. Further, the book discusses the analysis of real-time big data to derive actionable intelligence in enterprise applications in several domains, such as in industry and agriculture. It explores possible automated solutions in daily life, including structures for smart cities and automated home systems based on IoT technology, as well as health care systems that manage large amounts of data (big data) to improve clinical decisions. The book addresses the security and privacy of the IoT and big data technologies, while also revealing the impact of IoT technologies on several scenarios in smart cities design. Intended as a comprehensive introduction, it offers in-depth analysis and provides scientists, engineers and professionals the latest techniques, frameworks and strategies used in IoT and big data technologies.

This book develops the core system science needed to enable the development of a complex industrial internet of things/manufacturing cyber-physical systems (IIoT/M-CPS). Gathering contributions from leading experts in the field with years of experience in advancing manufacturing, it fosters a research community committed to advancing research and education in IIoT/M-CPS and to translating applicable science and technology into engineering practice. Presenting the current state of IIoT and the concept of cybermanufacturing, this book is at the nexus of research advances from the engineering and computer and information science domains. Readers will acquire the core system science needed to transform to cybermanufacturing that spans the full spectrum from ideation to physical realization.

The SAGE Handbook of Human Rights will comprise a two volume set consisting of more than 50 original chapters that clarify and analyze human rights issues of both contemporary and future importance. The Handbook will take an interdisciplinary approach, combining work in such traditional fields as law, political science and philosophy with such non-traditional subjects as climate change, demography, economics, geography, urban studies, mass communication, and business and marketing. In addition, one of the aspects of mainstreaming is the manner in which human rights has come to play a prominent role in popular culture, and there will be a section on human rights in art, film, music and literature. Not only will the Handbook provide a state of the art analysis of the discipline that addresses the history and development of human rights standards and its movements, mechanisms and institutions, but it will seek to go beyond this and produce a book that will help lead to prospective thinking.

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