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Blockchain Revolution

Bitcoin became a buzzword overnight. A cyber-enigma with an enthusiastic following, it pops up in headlines and fuels endless media debate. You can apparently use it to buy anything from coffee to cars, yet few people seem to truly understand what it is. This raises the question: Why should anyone care about bitcoin? In *The Age of Cryptocurrency*, Wall Street journalists Paul Vigna and Michael J. Casey deliver the definitive answer to this question. Cybermoney is poised to launch a revolution, one that could reinvent traditional financial and social structures while bringing the world's billions of "unbanked" individuals into a new global economy. Cryptocurrency holds the promise of a financial system without a middleman, one owned by the people who use it and one safeguarded from the devastation of a 2008-type crash. But bitcoin, the most famous of the cybermonies, carries a reputation for instability, wild fluctuation, and illicit business; some fear it has the power to eliminate jobs and to upend the concept of a nation-state. It implies, above all, monumental and wide-reaching change—for better and for worse. But it is here to stay, and you ignore it at your peril. Vigna and Casey demystify cryptocurrency—its origins, its function, and what you need to know to navigate a cyber-economy. The digital currency world will look very different from the paper currency world; *The Age of Cryptocurrency* will teach you how to be ready.

The Innovation Blind Spot

Explore the differences between ICOs, cryptocurrencies, and tokens (offerings), enabling the reader to understand the ICO landscape, how millions were raised in minutes, and where the future of the tokenized economy is heading. Take a real-time journey, cutting through the myths, understanding token choices available to everyone. Key Features Interviews with key figures in Tokenomics Unbiased evaluation and comparison of the different offerings Conceptual analysis of the market's reaction League table showing current exposure An account of the theoretical and current legal foundations of alt coins and tokens A complete introduction to the phases of an initial coin offering Book Description Tokenomics is the economy of this new world. This is a no-holds-barred, in-depth exploration of the way in which we can participate in the blockchain economy. The reader will learn the basics of bitcoin, blockchains, and tokenomics; what the very first ICO was; and how over a period of 5 years, various projects managed to raise the enormous sums of money they did. The book then provides insights from ICO experts and looks at what the future holds. By comparing the past, current, and future of this technology, the book will inform anyone, whatever motivates their interest. The crypto shift of blockchains, ICOs, and tokens is much more than just buying bitcoins, creating tokens, or raising millions in a minute in an ICO. It is a new paradigm shift from centralized to decentralized, from closed to open, and from opaqueness to transparency. ICOs and the creation of tokens during the craze of 2017 needed a lot of preparation, an understanding of cryptocurrencies and of emerging legal frameworks, but this has spurred a new movement to tokenize the world. The author gives an unbiased, authoritative picture of the current playing field, exploring the token opportunities and provides a unique insight into the developing world of this tokenized economy. This book will nourish hungry minds wanting to grow their knowledge in this fascinating area. What you will learn The background of ICOs and how they came to be The difference between a coin and a token, a utility and a security, and all the other acronyms you're likely to ever encounter How these ICOs raised enormous sums of money Tokenomics: structuring the token with creativity Why it's important to play nicely with the regulators A sneak peak into the future of ICOs from leaders in the industry Who this book is for With the media hype about bitcoin, this book appeals to anyone, from those with a general interest in anything crypto, or those with some knowledge of the nuances between cryptocurrency, ICOs, IPOs and the Token economy.

Blockchain: A Practical Guide to Developing Business, Law, and Technology Solutions

Following the economic crisis of 2008, the website 'bitcoin.org' was registered by a mysterious computer programmer called Satoshi Nakamoto. A new form of money was born: electronic cash. Does Bitcoin have the potential to change how the world transacts financially? Or is it just a passing fad, even a major scam? In *Bitcoin: The Future of Money?*, MoneyWeek's Dominic Frisby explains this controversial new currency and how it came about, interviewing some of the key players in its development while casting light on its strange and murky origins, in particular the much-disputed identity of Nakamoto himself. Economic theory meets whodunnit mystery in this indispensable guide to one of the most divisive innovations of our time.

Future Ready

How two former traders of William J. O'Neil + Company made mad money using O'Neil's trading strategies, and how you can, too From the successes and failures of two William O'Neil insiders, Trade Like an O'Neil Disciple: How We Made Over 18,000% in the Stock Market in 7 Years is a detailed look at how to trade using William O'Neil's proven strategies and what it was like working side-by-side with Bill O'Neil. Under various market conditions, the authors document their trades, including the set ups, buy, add, and sell points for their winners. Then, they turn the magnifying glass on themselves to analyze their mistakes, including how much they cost them, how they reacted, and what they learned. Presents sub-strategies for buying pocket pivots and gap-ups Includes a market direction timing model, as well as updated tools for selling stocks short Provides an "inside view" of the authors' experiences as proprietary, internal portfolio managers at William O'Neil + Company, Inc. from 1997-2005 Detailing technical information and the trading psychology that has worked so well for them, Trade Like an O'Neil Disciple breaks down what every savvy money manager, trader and investor needs to know to profit enormously in today's stock market.

Bitcoin

This book is a practical guide to the evolving landscape of finance, highlighting how it's changing our relationship with money and how financial technology, together with macroeconomic and societal change, is rewriting the story of how business is done in developing economies. Financial services companies are trying to become more customer focused, but struggling to help huge customer segments, particularly in developing economies. Alternative financial models and tools are emerging, which are being embraced by consumers and incumbents. In large parts of the developing world, alternative services are leapfrogging traditional finance, meaning more and more people have access to finance without ever needing a bank. Meanwhile, the barriers around financial services companies are crumbling, as they become more reliant on integration with new providers and alternative types of service. Financial products can no longer be viewed in isolation, but as part of a service landscape that supports how people do life. This means rethinking how our businesses are designed, motivated and organised, and letting go of the old ways of thinking about supply and demand. With practical steps businesses and, in particular, financial services organisations need to take to participate in a global service ecosystem, this book will be of interest to financial professionals who work in banking, financial technology, and development finance.

Tokenomics

Written for Higher Education educators, managers and policy-makers, Plagiarism, the Internet and Student Learning combines theoretical understandings with a practical model of plagiarism and aims to explain why and how plagiarism

developed. It offers a new way to conceptualize plagiarism and provides a framework for professionals dealing with plagiarism in higher education. Sutherland-Smith presents a model of plagiarism, called the plagiarism continuum, which usefully informs discussion and direction of plagiarism management in most educational settings. The model was developed from a cross-disciplinary examination of plagiarism with a particular focus on understanding how educators and students perceive and respond to issues of plagiarism. The evolution of plagiarism, from its birth in Law, to a global issue, poses challenges to international educators in diverse cultural settings. The case studies included are the voices of educators and students discussing the complexity of plagiarism in policy and practice, as well as the tensions between institutional and individual responses. A review of international studies plus qualitative empirical research on plagiarism, conducted in Australia between 2004-2006, explain why it has emerged as a major issue. The book examines current teaching approaches in light of issues surrounding plagiarism, particularly Internet plagiarism. The model affords insight into ways in which teaching and learning approaches can be enhanced to cope with the ever-changing face of plagiarism. This book challenges Higher Education educators, managers and policy-makers to examine their own beliefs and practices in managing the phenomenon of plagiarism in academic writing.

The Everything Guide to Investing in Cryptocurrency

The growth of ICT in the last decade has provided many opportunities to overcome some of the challenges faced by the agriculture sector. Recent developments such as the increase in the use of mobile-broadband access devices, the Internet of things (IoT), drones, smart networks, capacity for big data analytics, and artificial intelligence have provided agriculture stakeholders with some key tools and technologies to improve production and marketing processes, for example, in agriculture and allied fields. One of the most discussed technologies of late is Distributed Ledger Technology (DLT); Blockchain is one implementation of DLTs. This publication aims to demystify the technology, provide some thoughts on the opportunities and challenges in implementing blockchain-based systems as well as document some case studies on the use of blockchain for agriculture.

The Age of Cryptocurrency

This volume investigates different aspects of monetary policy and prevention of financial crises. It discusses some recently suggested measures for central banks' responses to liquidity shortages and to the liquidity trap, methods for assessing the potential of crisis contagion via the interbank network, and the interaction between micro- and macro-prudential regulation. It compares different approaches for solving the Eurozone sovereign-debt problem and provides a new and intriguing explanation for rising income inequality. The authors are experts on monetary policy, financial crises, and contract theory from different European universities and central banks.

E-agriculture in action: Blockchain for agriculture

The secrets behind eternal wealth have nothing to do with stocks, bonds and mutual funds or anything else the typical financial advisor tells you. These secrets have been around for thousands of years and have allowed some of the oldest families in Europe to remain wealthy for multiple generations. In *7 Secrets of Eternal Wealth*, Dr. Buck Joffrey outlines the principles that have allowed him and numerous other professionals to transform their own lives and escape the modern day paradigm of trading time for money. Dr. Joffrey believes that the formula for wealth is available to everyone who is willing to change their mindset; even overwhelmed, hard working professionals such as physicians, dentists, and attorneys who have very little time outside of work. This book is a must-read for those who feel trapped in the rat race or shackled by the golden handcuffs.

Blockchain Babel

Stablecoin Economy: Ultimate Guide to Secure Digital Finance is an educational book written and published by Alyze Sam, Adam Alonzi, and Koosha Azim. Bitcoin has been making headlines for over a decade. Hundreds of cryptocurrencies have followed in its wake. Yet for all their differences, nearly all of them have been fraught with dramatic price fluctuations. This is a problem for investors and a deterrent to everyday use. *Stablecoin Economy* is a concise guide to one of the most promising classes of digital assets today. This book is meant to be an unbiased review of the Stablecoin concept and projects implementing it. *Stablecoin Economy* was written to give you the background knowledge you need to intelligently invest. Following the success of the *2020 Complete Stablecoin Guide*, Sam has expanded the original reach of the book to deliver more pertinent and updated information. The new and updated version goes into greater detail in the areas of fiat currency, blockchain assets, stablecoins, and best practices for investors. With three times the information, *Stablecoin Economy* is written for beginners and seasoned traders alike.

The Imperatives of Sustainable Development

Develop, validate, and deploy powerful decentralized applications using blockchain Get the most out of cutting-edge blockchain technology using the hands-on information contained in this comprehensive resource. Written by a team of technology and legal experts, *Blockchain: A Practical Guide to Developing Business, Law, and Technology Solutions* demonstrates each topic through a start-to-finish, illustrated case study. The book includes financial, technology, governance, and legal use cases along with advantages and challenges. Validation, implementation, troubleshooting, and best practices are fully covered. You will learn, step-by-step, how to build and maintain effective, reliable, and transparent blockchain solutions. •Understand the fundamentals of decentralized computing and blockchain•Explore business,

technology, governance, and legal use cases•Review the evolving practice of law and technology as it concerns legal and governance issues arising from blockchain implementation•Write and administer performant blockchain-enabled applications•Handle cryptographic validation in private, public, and consortium blockchains•Employ blockchain in cloud deployments and Internet of Things (IoT) devices•Incorporate Web 3.0 features with Swarm, IPFS, Storj, Golem, and WHISPER•Use Solidity to build and validate fully functional distributed applications and smart contracts using Ethereum•See how blockchain is used in crypto-currency, including Bitcoin and Ethereum•Overcome technical hurdles and secure your decentralized IT platform

Programming Bitcoin

The ultimate guide to the world of cryptocurrencies! While the cryptocurrency market is known for its volatility—and this volatility is often linked to the ever-changing regulatory environment of the industry—the entire cryptocurrency market is expected to reach a total value of \$1 trillion this year. If you want to get in on the action, this book shows you how. Cryptocurrency Investing For Dummies offers trusted guidance on how to make money trading and investing in the top 200 digital currencies, no matter what the market sentiment. You'll find out how to navigate the new digital finance landscape and choose the right cryptocurrency for different situations with the help of real-world examples that show you how to maximize your cryptocurrency wallet. Understand how the cryptocurrency market works Find best practices for choosing the right cryptocurrency Explore new financial opportunities Choose the right platforms to make the best investments This book explores the hot topics and market moving events affecting cryptocurrency prices and shows you how to develop the smartest investment strategies based on your unique risk tolerance.

Cryptocurrency Investing For Dummies

Summary If you think Bitcoin is just an alternative currency for geeks, it's time to think again. Grokking Bitcoin opens up this powerful distributed ledger system, exploring the technology that enables applications both for Bitcoin-based financial transactions and using the blockchain for registering physical property ownership. With this fully illustrated, easy-to-read guide, you'll finally understand how Bitcoin works, how you can use it, and why you can trust the blockchain. Foreword by David A. Harding, Contributor to Bitcoin documentation. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Inflation, depressed economies, debased currencies these are just a few of the problems centralized banking has caused throughout history. Bitcoin, a digital currency created with the ambition to shift control away from change-prone governments, has the potential to bring an end to those problems once and for all. It's time to find out how it can help you. About the Book Grokking Bitcoin explains why Bitcoin's supporters trust it so deeply, and why you can too. This approachable book will introduce you to Bitcoin's groundbreaking technology,

which is the key to this world-changing system. This illustrated, easy-to-read guide prepares you for a new way of thinking with easy-to-follow diagrams and exercises. You'll discover how Bitcoin mining works, how to accept Bitcoin, how to participate in the Bitcoin network, and how to set up a digital wallet. What's inside Bitcoin transactions The blockchain Bitcoin mining Bitcoin wallets About the Reader Intended for anyone interested in learning about Bitcoin technology. While a basic understanding of technical concepts is beneficial, no programming skills are necessary. About the Author Kalle Rosenbaum is a computer scientist, an avid Bitcoin supporter, and the founder of Propeller, a Bitcoin consultancy. Table of Contents Introduction to Bitcoin Cryptographic hash functions and digital signatures Addresses Wallets Transactions The blockchain Proof of work Peer-to-peer network Transactions revisited Segregated witness Bitcoin upgrades

Desktop Grid Computing

Blockchain technology is powering our future. As the technology behind cryptocurrencies like bitcoin, open software platforms like Ethereum, and disruptive companies like Ripple, it's too important to ignore. In this revelatory book, Don Tapscott, the bestselling author of *Wikinomics*, and his son, blockchain expert Alex Tapscott, bring us a brilliantly researched, highly readable, and essential book about the technology driving the future of the economy. Blockchain is the ingeniously simple, revolutionary protocol that allows transactions to be simultaneously anonymous and secure by maintaining a tamperproof public ledger of value. Though it's best known as the technology that drives bitcoin and other digital currencies, it also has the potential to go far beyond currency, to record virtually everything of value to humankind, from birth and death certificates to insurance claims, land titles, and even votes. Blockchain is also essential to understand if you're an artist who wants to make a living off your art, a consumer who wants to know where that hamburger meat really came from, an immigrant who's tired of paying big fees to send money home to your loved ones, or an entrepreneur looking for a new platform to build a business. And those examples are barely the tip of the iceberg. As with major paradigm shifts that preceded it, blockchain technology will create winners and losers. This book shines a light on where it can lead us in the next decade and beyond.

Reinventing Jobs

As the world's first decentralized digital currency, Bitcoin has the potential to revolutionize online payments systems in a way that benefits consumers and businesses. Instead of using an intermediary such as PayPal or submitting credit card information to a third party for verification—both of which often include transaction fees and other restrictions—Bitcoin allows individuals to pay each other directly for goods or services. The characteristics that make Bitcoin so innovative have also made it a target for regulators, who fear that the cryptocurrency will aid tax evasion, money laundering, and other crimes. While it is true that it can be used for nefarious purposes, the same can be said of cash. But, unlike cash, Bitcoin

transactions are recorded in an online ledger. In this new primer published by the Mercatus Center at George Mason University, Jerry Brito and Andrea Castillo describe how the digital currency works and address many of the common misconceptions about it. They also analyze current laws and regulations that may already cover digital currencies and warn against preemptively placing regulatory restrictions on Bitcoin that could stifle the new technology before it has a chance to evolve. In addition, they give several recommendations about how to treat Bitcoin going forward. Here, at the forefront of the debate, Brito and Castillo both support innovation and provide much-needed clarity for policymakers and law enforcement. A Spanish edition of this book is also available from the Mercatus Center.

Driving Innovation from Within

In less than a decade, the Internet went from being a series of loosely connected networks used by universities and the military to the powerful commercial engine it is today. This book describes how many of the key innovations that made this possible came from entrepreneurs and iconoclasts who were outside the mainstream—and how the commercialization of the Internet was by no means a foregone conclusion at its outset. Shane Greenstein traces the evolution of the Internet from government ownership to privatization to the commercial Internet we know today. This is a story of innovation from the edges. Greenstein shows how mainstream service providers that had traditionally been leaders in the old-market economy became threatened by innovations from industry outsiders who saw economic opportunities where others didn't—and how these mainstream firms had no choice but to innovate themselves. New models were tried: some succeeded, some failed. Commercial markets turned innovations into valuable products and services as the Internet evolved in those markets. New business processes had to be created from scratch as a network originally intended for research and military defense had to deal with network interconnectivity, the needs of commercial users, and a host of challenges with implementing innovative new services. *How the Internet Became Commercial* demonstrates how, without any central authority, a unique and vibrant interplay between government and private industry transformed the Internet.

The Future of Leadership

By 2020, experts forecast that up to 28 billion devices will be connected to the Internet with only one third of them being computers, smartphones and tablets. The remaining two thirds will be other "devices"—sensors, terminals, household appliances, thermostats, televisions, automobiles, production machinery, urban infrastructure and many other "things"—which traditionally have not been Internet enabled. This "Internet of Things" (IoT) represents a remarkable transformation of the way in which our world will soon interact. Much like the World Wide Web connected computers to networks, and the next evolution connected people to the Internet and other people, IoT looks poised to interconnect devices, people, environments, virtual objects and machines in ways that only science fiction writers could have imagined.

In a nutshell, the Internet of Things (IoT) is the convergence of connecting people, things, data and processes. It is transforming our life, business and everything in between. Secure and Smart Internet of Things explores many aspects of the Internet of Things and explains many of the completed principles of IoT and the new advances in IoT including the use of Fog Computing, AI, and Blockchain technology. The topics discussed in the book include: - Internet of Things (IoT) - Industrial Internet of Things (IIoT) - Fog Computing - Artificial Intelligence - Blockchain Technology - Network Security - Zero-Trust Model - Data Analytics - Digital Transformation - DDoS - Smart Devices

Digital Currency: An International Legal and Regulatory Compliance Guide

How to Optimize Human-Machine Work Combinations Your organization has made the decision to adopt automation and artificial intelligence technologies. Now, you face difficult and stubborn questions about how to implement that decision: How, when, and where should we apply automation in our organization? Is it a stark choice between humans versus machines? How do we stay on top of these technological trends as work and automation continue to evolve? Work and human capital experts Ravin Jesuthasan and John Boudreau present leaders with a new set of tools to answer these daunting questions. Transcending the endless debate about humans being replaced by machines, Jesuthasan and Boudreau show how smart leaders instead are optimizing human-automation combinations that are not only more efficient but also generate higher returns on improved performance. Based on groundbreaking primary research, Reinventing Jobs provides an original, structured approach of four distinct steps--deconstruct, optimize, automate, and reconfigure--to help leaders reinvent how work gets bundled into jobs and create optimal human-machine combinations. Jesuthasan and Boudreau show leaders how to continuously reexamine what a job really is, and they provide the tools for identifying the pivotal performance value of tasks within jobs and how these tasks should be reconstructed into new, more optimal combinations. With numerous examples and practical advice for applying the four-step process, Reinventing Jobs gives leaders a more precise, planful, and actionable way to decide how, when, and where to apply and optimize work automation.

ICO investor's manual (мануал инвестора)

Is Artificial Intelligence (AI) our greatest existential threat? Will AI take your Job? Is Privacy dead? Is Universal Basic Income a viable strategy or just a temporary bandage? Will AI solve all our problems? Will it make us happier? We can't put the genie back in the bottle once it's out. If we don't candidly answer the pertinent questions, we will only paint a false picture. We are standing at a crucial and pivotal point in history. It's time for diversity in AI. This unprecedented technology will affect society as a whole and we need individuals from diverse disciplines and backgrounds to join the discussion. The issues surrounding AI can't be left to a small group of scientists, technologists or business executives to address. Our future and our children's future are at stake. More than ever, we need leaders who will stand on integrity and who will put people

first. Do you want to take a glimpse into the future of leadership? The Future of Leadership: Rise of Automation, Robotics and Artificial Intelligence offers the most comprehensive view of what is taking place in the world of AI and emerging technologies, and gives valuable insights that will allow you to successfully navigate the tsunami of technology that is coming our way.

The Future Economy and Inclusive Competitiveness

This book explores the main challenges and trends related to the use of blockchain technology for digital business innovation with the aim of providing practitioners with stimulating insights and ideas. Readers will find a unified survey of current scientific work on blockchain and related phenomena, such as bitcoin, from a range of perspectives, including information systems, technology management, innovation research, computer science, and engineering. In this way, the book links research and industry practices suitable for use by practitioners in their day-to-day activities and also provides an update on what academia may offer in terms of industry proposals. The contents are divided into three parts. After discussion of blockchain technology and management, including impacts on value chains and systems, governance, and security issues, the bitcoin phenomenon and main technological trends in the use of blockchain are addressed. The final part presents examples of business innovation using blockchain that are drawn from across the globe. Throughout, the author adopts a methodologically rigorous approach while ensuring that the text is readily understandable for readers, regardless of their degree of acquaintance with blockchain.

Grokking Bitcoin

Maximize your money while avoiding the potential pitfalls of investing in cryptocurrency—this handy guide shows you how to get in from the bottom up in this hot new market. Cryptocurrency—a digital asset that uses cryptography to secure all of its transactions, making it nearly impossible to counterfeit—is moving into the mainstream, receiving coverage from major financial websites such as Forbes and Bloomberg, as well as increased attention from serious financial institutions, and experiencing wider availability in trusted markets, such as the world’s largest futures exchange, Chicago Mercantile Exchange. As the price of Bitcoin and other cryptocurrencies continue to fluctuate and news stories of cryptocurrency hackers increase, investors have to be more conscious of the huge opportunities and large risks in this market. Understanding these risks and rewards of cryptocurrency is vital for everyone wanting to make money on this exciting new form of investing. The Everything Guide to Investing in Cryptocurrency is an authoritative and comprehensive guide to help you safely jump into the lucrative world of e-commerce. You’ll learn: —The different major cryptocurrencies, including Bitcoin, litecoin, and ethereum —Where to buy and sell cryptocurrencies safely and securely —Setting up and managing your cryptocurrency wallet —Properly analyzing their investments Leap into cryptocurrencies with a full understanding of

what you're investing in. With the help of The Everything Guide to Investing in Cryptocurrencies, you'll maximize your gains and minimize your risks in this radical new frontier.

How the Internet Became Commercial

Desktop Grid Computing presents common techniques used in numerous models, algorithms, and tools developed during the last decade to implement desktop grid computing. These techniques enable the solution of many important sub-problems for middleware design, including scheduling, data management, security, load balancing, result certification, and fault tolerance. The book's first part covers the initial ideas and basic concepts of desktop grid computing. The second part explores challenging current and future problems. Each chapter presents the sub-problems, discusses theoretical and practical issues, offers details about implementation and experiments, and includes references to further reading and notes. One of the first books to give a thorough and up-to-date presentation of this topic, this resource describes various approaches and models as well as recent trends that underline the evolution of desktop grids. It balances the theory of designing desktop grid middleware and architecture with applications and real-world deployment on large-scale platforms.

Financial Services Revolution

Since the launch of Bitcoin in 2009 several hundred different 'cryptocurrencies' have been developed and become accepted for a wide variety of transactions in leading online commercial marketplaces and the 'sharing economy', as well as by more traditional retailers, manufacturers, and even by charities and political parties. Bitcoin and its competitors have also garnered attention for their wildly fluctuating values as well as implication in international money laundering, Ponzi schemes and online trade in illicit goods and services across borders. These and other controversies surrounding cryptocurrencies have induced varying governance responses by central banks, government ministries, international organizations, and industry regulators worldwide. Besides formal attempts to ban Bitcoin, there have been multifaceted efforts to incorporate elements of blockchains, the peer-to-peer technology underlying cryptocurrencies, in the wider exchange, recording, and broadcasting of digital transactions. Blockchains are being mobilized to support and extend an array of governance activities. The novelty and breadth of growing blockchain-based activities have fuelled both utopian promises and dystopian fears regarding applications of the emergent technology to Bitcoin and beyond. This volume brings scholars of anthropology, economics, Science and Technology Studies, and sociology together with GPE scholars in assessing the actual implications posed by Bitcoin and blockchains for contemporary global governance. Its interdisciplinary contributions provide academics, policymakers, industry practitioners and the general public with more nuanced understandings of technological change in the changing character of governance within and across the borders of nation-states.

Trade Like an O'Neil Disciple

Digital or 'virtual' currencies pose significant challenges for government, financial and legal institutions because of their non-physical nature and their relative anonymity to physical currency. These attributes make this form of exchange extremely volatile and, at the same time, attractive to criminals. Many countries around the world have, therefore issued warnings against the use of digital currencies and have enacted laws to regulate and in some cases, restrict their use among members under their respective jurisdictions. Digital Currency: An International Legal and Regulatory Compliance Guide serves as a primer for both general and specialized readers, as well as business law and e-commerce teachers and students, to recognize and understand the extensive network of laws and regulations already in place around the world which have a profound impact on the creation, distribution and use of digital currency and blockchain technology. The book is also a compliance guide assisting legal practitioners in the fields of business, law, and technology to develop, implement, manage, and maintain strategies, policies, practices, and procedures to ensure that their activities involving digital currency and blockchain technology comply with a complex set of legal requirements in several jurisdictions. The book addresses both the complex set of existing laws that have a profound impact on digital currencies and blockchain technology, and the emerging new legal requirements directed specifically towards digital currency. Readers will understand the broad implications of laws and regulations on digital currency and blockchain development and its use, and will also be equipped with the knowledge to incorporate these effectively into their professional and personal endeavors. This entails maximizing the value of digital currency and blockchain technology while also minimizing their risk of adverse legal consequences. Additionally, policymakers seeking to enforce current legislations or wishing to draft appropriate new regulations in the digital currency and blockchain economy will also benefit from the information provided in this book.

Robots Will Steal Your Job, But That's OK

Blockchain is emerging as a powerful technology, which has attracted the wider attention of all businesses across the globe. In addition to financial businesses, IT companies and business organizations are keenly analyzing and adapting this technology for improving business processes. Security is the primary enterprise application. There are other crucial applications that include creating decentralized applications and smart contracts, which are being touted as the key differentiator of this pioneering technology. The power of any technology lies in its ecosystem. Product and tool vendors are building and releasing a variety of versatile and robust toolsets and platforms in order to speed up and simplify blockchain application development, deployment and management. There are other infrastructure-related advancements in order to streamline blockchain adoption. Cloud computing, big data analytics, machine and deep learning algorithm, and connected and embedded devices all are driving blockchain application development and deployment. Blockchain Technology and Applications illustrates how blockchain is being sustained through a host of platforms, programming languages, and

enabling tools. It examines: Data confidentiality, integrity, and authentication Distributed consensus protocols and algorithms Blockchain systems design criteria and systems interoperability and scalability Integration with other technologies including cloud and big data It also details how blockchain is being blended with cloud computing, big data analytics and IoT across all industry verticals. The book gives readers insight into how this path-breaking technology can be a value addition in several business domains ranging from healthcare, financial services, government, supply chain and retail.

Handbook of Digital Currency

This book offers readers a startling view of how blockchain technology will transform the financial industry in profound ways. Some of the world's top thinkers in blockchain have contributed chapters that survey the coming digital storm - how it will level the playing field, give individuals more financial power, and create greater transparency in operations. Written for the educated financial reader, it reveals how blockchain can create a token-based incentive system that aligns the interests of participants in large-scale initiatives, as well as the rewiring of global payment networks and innovative financing methods such as initial coin offerings to fund infrastructure development. The transition for the financial industry is bound to be complicated, but it presents enormous opportunity for those who understand the storm as it's brewing. "In Financial Services Revolution, Alex Tapscott opens a window into a dynamic future, featuring the early stages of a transition to a natively digital global economy, sporting various degrees of decentralization. It will be a complicated transition for financial, economic, social, and political systems, but I see it as one pregnant with hope and promise." - Joseph Lubin, CEO, ConsenSys "Nobody has a better handle on the coming digital storm and its broad implications than Alex Tapscott. In Financial Services Revolution, Alex lays out the blueprint for how to survive and then thrive in this era of digital disruption." - Harris Fricker, President and CEO, GMP Securities LP "Alex Tapscott is one of the blockchain industry's foremost leaders and earliest believers. His work as an investor, advocate, educator, and business builder has contributed immense value to the development of the digital asset market." - Cole Diamond, Chairman and CEO, Coinsquare "This book will help successful financial services leaders with a pressing need: to relentlessly push the boundaries of their tech knowledge, with imagination around its application." - Dean Connor, President and CEO, Sun Life Financial "Blockchain has the potential to transform financial services in profound ways, to level playing fields, favour collaboration over competition, and enable the individual to enjoy as much agency as the corporation does today in financial matters. This book explains how. A must-read." - Joseph Lubin, CEO, ConsenSys "This book shows how blockchain is a game changer for data and transfer of value -at the heart of financial and government services today. " - Linda Mantia, former Senior Executive Vice President and Chief Operating Officer, Manulife Financial "It was an honour to contribute to the Blockchain Research Institute's comprehensive investigation into blockchain's promise and the challenges that come with it. This is a must-read volume for anyone interested in this potentially transformative technology." - Michael Casey, Chief Content Officer, CoinDesk "Thoroughly researched and brimming with new insights, Financial Services Revolution is required reading for every Wall Street banker

and all who care about the future of money and finance." - Bill Barhydt, CEO and Founder, Abra "Alex Tapscott has been among the first and most thoughtful contributors to the global conversation on the future of finance. This book extends that dialogue. It looks at how financial services might approach a technological revolution originally designed to disintermediate it." - Matthew Roszak, Chairman and Co-founder, Bloq

FinTech Revolution

Incorporating currencies, payment methods, and protocols that computers use to talk to each other, digital currencies are poised to grow in use and importance. The Handbook of Digital Currency gives readers a way to learn about subjects outside their specialties and provides authoritative background and tools for those whose primary source of information is journal articles. Taking a cross-country perspective, its comprehensive view of the field includes history, technicality, IT, finance, economics, legal, tax and regulatory environment. For those who come from different backgrounds with different questions in mind, The Handbook of Digital Currency is an essential starting point. Discusses all major strategies and tactics associated with digital currencies, their uses, and their regulations Presents future scenarios for the growth of digital currencies Written for regulators, crime prevention units, tax authorities, entrepreneurs, micro-financiers, micro-payment businesses, cryptography experts, software developers, venture capitalists, hedge fund managers, hardware manufacturers, credit card providers, money changers, remittance service providers, exchanges, and academics Winner of the 2015 "Outstanding Business Reference Source" by the Reference and User Services Association (RUSA)

Secure and Smart Internet of Things (IoT)

"Views differ on bitcoin, but few doubt the transformative potential of Blockchain technology. The Truth Machine is the best book so far on what has happened and what may come along. It demands the attention of anyone concerned with our economic future." —Lawrence H. Summers, Charles W. Eliot University Professor and President Emeritus at Harvard, Former Treasury Secretary From Michael J. Casey and Paul Vigna, the authors of The Age of Cryptocurrency, comes the definitive work on the Internet's Next Big Thing: The Blockchain. Big banks have grown bigger and more entrenched. Privacy exists only until the next hack. Credit card fraud is a fact of life. Many of the "legacy systems" once designed to make our lives easier and our economy more efficient are no longer up to the task. Yet there is a way past all this—a new kind of operating system with the potential to revolutionize vast swaths of our economy: the blockchain. In The Truth Machine, Michael J. Casey and Paul Vigna demystify the blockchain and explain why it can restore personal control over our data, assets, and identities; grant billions of excluded people access to the global economy; and shift the balance of power to revive society's faith in itself. They reveal the disruption it promises for industries including finance, tech, legal, and shipping. Casey and Vigna expose the challenge of replacing trusted (and not-so-trusted) institutions on which we've relied for centuries with a

radical model that bypasses them. The Truth Machine reveals the empowerment possible when self-interested middlemen give way to the transparency of the blockchain, while highlighting the job losses, assertion of special interests, and threat to social cohesion that will accompany this shift. With the same balanced perspective they brought to The Age of Cryptocurrency, Casey and Vigna show why we all must care about the path that blockchain technology takes—moving humanity forward, not backward.

The Truth Machine

Thirty years ago, the UN report Our Common Future placed sustainable development firmly on the international agenda. The Imperatives of Sustainable Development takes the ethical foundations of Our Common Future and builds a model that emphasizes three equally important moral imperatives – satisfying human needs, ensuring social justice, and respecting environmental limits. This model suggests sustainability themes and assigns thresholds to them, thereby defining the space within which sustainable development can be achieved. The authors accept that there is no single pathway to the sustainable development space. Different countries face different challenges and must follow different pathways. This perspective is applied to all countries to determine whether the thresholds of the sustainability themes selected have been met, now and in the past. The authors build on the extensive literature on needs, equity, justice, environmental science, ecology, and economics, and show how the three moral imperatives can guide policymaking. The Imperatives of Sustainable Development synthesizes past reasoning, summarizes the present debate, and provides a clear direction for future thinking. This book will be essential reading for everyone interested in the future of sustainable development and in the complex environmental and social issues involved.

Crypto Revolution

You are about to become obsolete. You think you are special, unique, and that whatever it is that you are doing is impossible to replace. You are wrong. As we speak, millions of algorithms created by computer scientists are frantically running on servers all over the world, with one sole purpose: do whatever humans can do, but better. That is the argument for a phenomenon called technological unemployment, one that is pervading modern society. But is that really the case? Or is it just a futuristic fantasy? What will become of us in the coming years, and what can we do to prevent a catastrophic collapse of society? Robots Will Steal Your Job, But That's OK: how to survive the economic collapse and be happy explores the impact of technological advances on our lives, what it means to be happy, and provides suggestions on how to avoid a systemic collapse.

How We Make Stuff Now: Turn Ideas into Products That Build Successful Businesses

Want to join the technological revolution that's taking the world of finance by storm? Mastering Bitcoin is your guide through the seemingly complex world of bitcoin, providing the requisite knowledge to help you participate in the internet of money. Whether you're building the next killer app, investing in a startup, or simply curious about the technology, this practical book is essential reading. Bitcoin, the first successful decentralized digital currency, is still in its infancy and it's already spawned a multi-billion dollar global economy. This economy is open to anyone with the knowledge and passion to participate. Mastering Bitcoin provides you with the knowledge you need (passion not included). This book includes: A broad introduction to bitcoin—ideal for non-technical users, investors, and business executives An explanation of the technical foundations of bitcoin and cryptographic currencies for developers, engineers, and software and systems architects Details of the bitcoin decentralized network, peer-to-peer architecture, transaction lifecycle, and security principles Offshoots of the bitcoin and blockchain inventions, including alternative chains, currencies, and applications User stories, analogies, examples, and code snippets illustrating key technical concepts

Monetary Policy, Financial Crises, and the Macroeconomy

This step-by-step DIY guide shows today's entrepreneurs how to create and launch new products, package and market them to consumers, and build a thriving business. Thanks to high-speed Internet, game-changing technology, and innovative new platforms, individuals with vision and heart can go from idea to marketplace on a shoestring budget. In *How We Make Stuff Now*, Jules Pieri—cofounder and CEO of The Grommet, a product launch platform that helps innovative products reach a community of millions—takes readers through the entire consumer product creation process, showing how individual Makers, inventors, and entrepreneurs have utilized technology, the Maker Movement, and perseverance to turn ideas for innovative consumer goods into thriving businesses, breaking the rules of traditional retailing in the process. Jules details what goes into each of the steps they take: ideation, education, research, design and documentation, prototyping, funding, manufacturing, packaging, marketing, distribution, logistics, payments, customer service, financial and inventory management, and growth. Using case studies of successful startups, she reveals how entrepreneurs overcome obstacles, solve challenges, and rise above them to deliver innovations. If you're an aspiring entrepreneur, Maker, or inventor, the first crucial step in your journey to turning your ideas into products that build thriving businesses is learning *How We Make Stuff Now*.

Plagiarism, the Internet, and Student Learning

Our innovation economy is broken. But there's good news: The ideas that will solve our problems are hiding in plain sight. While big companies in the American economy have never been more successful, entrepreneurial activity is near a 30-year low. More businesses are dying than starting every day. Investors continue to dump billions of dollars into photo-sharing

apps and food-delivery services, solving problems for only a wealthy sliver of the world's population, while challenges in health, food security, and education grow more serious. In *The Innovation Blind Spot*, entrepreneur and venture capitalist Ross Baird argues that the innovations that truly matter don't see the light of day—for reasons entirely of our own making. A handful of people in a handful of cities are deciding, behind closed doors, which entrepreneurs get a shot to succeed. And most investors are what Baird calls “two-pocket thinkers”—artificially separating their charitable work from their day job of making a profit. The resulting system creates rising income inequality, stifled entrepreneurial ambition, social distrust, and political uncertainty. Our innovation problem makes all our other problems harder to solve. In this book, Baird demonstrates how and where to find better ideas by lifting up people, places, and industries that are often overlooked. What's more, Baird ultimately outlines how to create long-term success through “one-pocket thinking”—eliminating the blind spot that separates “what we do for a living” and “what we really care about.”

Business Innovation Through Blockchain

Blockchain is the technology behind bitcoin and other crypto-currencies. According to Santander, it could save financial institutions \$15-20bn a year from 2022 onward. Most experts see an unprecedented potential, but many banks, payment processors and credit card companies fret that bitcoin entrepreneurs could cast a pall over their core business. Whatever the position of blockchain, many voices are shouting from different angles, creating a cacophony of confusion including tech-evangelists, anarcho-libertarians, and industry experts. But while everybody in IT and banking seems to have an opinion on the blockchain, there is little systematic research, no strategic analysis. *Blockchain Babel* is the ultimate guide to the most disruptive technology to have entered the finance industry in recent years. *Blockchain Babel* looks at blockchain alongside innovation diffusion, competitive dynamics and management strategy. Shortlisted as one of the three best business book proposals by McKinsey and the Financial Times for the Bracken Bower Prize in 2016, this is a must-read for business leaders and aspiring leaders wanting to grasp blockchain and put it into context and understand the practical implications it may have.

Bitcoin and Beyond

Conventional business wisdom tells us that entrepreneurs are society's main source of innovation. Young founders leave college with a big idea, get to work in a garage, and build something that changes the world. Typical corporate employees, strangled by slow-moving bureaucracy, are blocked from making transformative discoveries. In *Driving Innovation from Within*, strategist and advisor Kaihan Krippendorff disproves one of today's biggest business myths to highlight lessons for innovators and leaders. He reveals how many of the modern world's most impactful creations were invented by passionate employee innovators. If it were left up to go-it-alone entrepreneurs, we would not have mobile phones, personal computers,

or e-mail. Distilling more than 150 interviews with internal innovators and leading experts along with insights from the latest research and today's most successful companies, from Tencent and Amazon to Mastercard and Starbucks, Krippendorff lays out a step-by-step playbook to unlock innovation from the inside. He maps the barriers that frustrate efforts to disrupt from within and provides tools to remove them, detailing how visionary leaders can create islands of freedom inside an organization to activate existing employees' potential and beat startups at their own game. *Driving Innovation from Within* is a practical and inspiring guide to leadership from all levels for those who want the fulfillment of changing the world without leaving their job in order to do it.

Stablecoin Economy: Ultimate Guide to Secure Digital Finance

Bitcoin

CAN AMERICA WIN ITS ECONOMIC FUTURE? "YES," says the Architect of Inclusive Competitiveness (r), Johnathan M. Holifield. In this groundbreaking book - an Innovation Economy leader, civil rights advocate and former NFL athlete - Johnathan shines a bright light on shifting demographic trends in the United States and the dramatic impact this will have on our economic future. Inside these pages you'll learn the potential pitfalls ahead, as well as the extraordinary opportunities for shared socio-economic prosperity. Although the economic narrative of the 20th century served America well, it will not - indeed, it cannot - meet the needs of the 21st century. Calling for "All Hands On Deck," this book lays out an exciting way forward for America to win the future. Johnathan presents a compelling model for a new economic narrative and action framework for leaders in business, government, technology, education, philanthropy and the community, and also shows how important it is and will be to include disconnected Americans - women, Blacks, Hispanics and rural populations - if our country is to maintain its position of global economic leadership. This book is essential reading for anyone concerned about the socio-economic future of the U.S. What the experts are saying: "Brilliant! Unlike any other book written on economic development, this one encapsulates the challenges and opportunities of the nation through the lens of economic inclusion and competitiveness ideals. Johnathan has provided America a Rosetta Stone that will unleash America's untapped economic prowess" JAY WILLIAMS, FORMER U.S. ASSISTANT SECRETARY OF COMMERCE FOR ECONOMIC DEVELOPMENT "With a fresh voice, Holifield clearly identifies the economic imperative of our time. Prescribing a realignment of underserved community priorities to incorporate economic competitiveness, his restructuring framework is perceptive, coherent, and transcends political affiliations" MICHAEL SCHREIBER, CHIEF OPERATING OFFICER, ROBERT F. KENNEDY HUMAN RIGHTS "In his new book, "The Future Economy and Inclusive Competitiveness," Johnathan Holifield presents a powerful vision for how the United States can sustain economic growth and wealth creation well in to the future. His vision is based on a compelling modern view of the wealth of nations. In Holifield's view, the wealth of nations is bound

up in the interconnectedness of the knowhow, implementable ideas, and information networks of the various ethnic and racial groups and individuals in the economy. He argues that the opportunity for increased economic growth and wealth generation for the United States is presented by the "demographic shift", the so-called browning of America." The key to opening the door to this opportunity is for the private and public sectors to embrace and engage strategies of economic inclusion. Simply put, Holifield argues that the size and robustness of the future US economy is a matter of best practices in a market place of inclusion that stimulates economic competitiveness. Holifield's powerful insight for how economic inclusion can define the future for the US economy is truly a must read." RONALD A. JOHNSON, PhDPRESIDENT, CLARK ATLANTA UNIVERSITY

Mastering Bitcoin

Dive into Bitcoin technology with this hands-on guide from one of the leading teachers on Bitcoin and Bitcoin programming. Author Jimmy Song shows Python programmers and developers how to program a Bitcoin library from scratch. You'll learn how to work with the basics, including the math, blocks, network, and transactions behind this popular cryptocurrency and its blockchain payment system. By the end of the book, you'll understand how this cryptocurrency works under the hood by coding all the components necessary for a Bitcoin library. Learn how to create transactions, get the data you need from peers, and send transactions over the network. Whether you're exploring Bitcoin applications for your company or considering a new career path, this practical book will get you started. Parse, validate, and create bitcoin transactions Learn Script, the smart contract language behind Bitcoin Do exercises in each chapter to build a Bitcoin library from scratch Understand how proof-of-work secures the blockchain Program Bitcoin using Python 3 Understand how simplified payment verification and light wallets work Work with public-key cryptography and cryptographic primitives

Blockchain Technology and Applications

The recent crisis in the financial markets has exposed serious flaws in management methods. The failure to anticipate and deal with the consequences of the unfolding collapse has starkly illustrated what many leaders and managers in business have known for years; in most organizations, the process of forecasting is badly broken. For that reason, forecasting business performance tops the list of concerns for CFO's across the globe. It is time to rethink the way businesses organize and run forecasting processes and how they use the insights that they provide to navigate through these turbulent times. This book synthesizes and structures findings from a range of disciplines and over 60 years of the authors combined practical experience. This is presented in the form of a set of simple strategies that any organization can use to master the process of forecasting. The key message of this book is that while no mortal can predict the future, you can take the steps to be ready for it. 'Good enough' forecasts, wise preparation and the capability to take timely action, will help your

organization to create its own future. Written in an engaging and thought provoking style, Future Ready leads the reader to answers to questions such as: What makes a good forecast? What period should a forecast cover? How frequently should it be updated? What information should it contain? What is the best way to produce a forecast? How can you avoid gaming and other forms of data manipulation? How should a forecast be used? How do you ensure that your forecast is reliable? How accurate does it need to be? How should you deal with risk and uncertainty? What is the best way to organize a forecast process? Do you need multiple forecasts? What changes should be made to other performance management processes to facilitate good forecasting? Future Ready is an invaluable guide for practicing managers and a source of insight and inspiration to leaders looking for better ways of doing things and to students of the science and craft of management. Praise for Future Ready "Will make a difference to the way you think about forecasting going forward" —Howard Green, Group Controller Unilever PLC "Great analogies and stories are combined with rock solid theory in a language that even the most reading-averse manager will love from page one" —Bjarte Bogsnes, Vice President Performance Management Development at StatoilHydro "A timely addition to the growing research on management planning and performance measurement." —Dr. Charles T. Horngren, Edmund G. Littlefield Professor of Accounting Emeritus Stanford University and author of many standard texts including Cost Accounting: A Managerial Emphasis, Introduction to Management Accounting, and Financial Accounting "In the area of Forecasting, it is the best book in the market." —Fritz Roemer, Leader of Enterprise Performance Executive Advisory Program, the Hackett Group

7 Secrets of Eternal Wealth

Приветствую, уважаемый читатель! У тебя в руках настоящая инструкция по инвестированию в ICO, рассчитанная на начальный уровень инвестора. Наверняка ты уже что-то знаешь и что-то умеешь. Однако поверхностных знаний не всегда достаточно для того, чтобы извлекать прибыль из своих инвестиций. Все, что тебе может потребоваться для получения первого опыта, ты найдешь на страницах этой книги – сервисы и средства для анализа проекта, календари ICO, оценки ICO, кошельки и т.д. Удачного чтения и прибыльных инвестиций! PS: Пример "боевого" ICO, описанный в конце книги, принес её автору 15543% чистой прибыли.

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