Cryptocurrency Mining A Comprehensive Introduction To Master Mining Cryptocurrencies In 2018 Crypto Mining Bitcoin Mining Mining Bitcoin Bitcoin Mining Mining Mining Ethereum Block Mining

Bitcoin and Cryptocurrency Technologies provides a comprehensive introduction to the revolutionary yet often misunderstood new technologies of digital currency. Whether you are a student, software developer, tech entrepreneur, or researcher in computer science, this authoritative and self-contained book tells you everything you need to know about the new global money for the Internet age. How do Bitcoin and its block chain actually work? How secure are your bitcoins? How anonymous are their users? Can cryptocurrencies be regulated? These are some of the many questions this book answers. It begins by tracing the history and development of Bitcoin and cryptocurrencies, and then gives the conceptual and practical foundations you need to engineer secure software that interacts with the Bitcoin network as well as to integrate ideas from Bitcoin into your own projects. Topics include decentralization, mining, the politics of Bitcoin, altcoins and the cryptocurrency ecosystem, the future of Bitcoin, and more. An essential introduction to the new technologies of digital currency Covers the history and mechanics of Bitcoin and the block chain, security, decentralization, anonymity, politics and regulation, altcoins, and much more Features an accompanying website that includes instructional videos for each chapter, homework problems, programming assignments, and lecture slides Also suitable for use with the authors' Coursera online course Electronic solutions manual (available only to professors)

Find out the essentials of cryptocurrency mining The cryptocurrency phenomenon has sparked a new opportunity mine for virtual gold, kind of like the prospectors of a couple centuries back. This time around, you need some tech know-how to get into the cryptocurrency mining game. This book shares the insight of two cryptocurrency insiders as they break down the necessary hardware, software, and strategies to mine Bitcoin, Ethereum, Monero, LiteCoin, and Dash. They also provide insight on how to stay ahead of the curve to maximize your return on investment. Get the tech tools and know-how to start mining Pick the best cryptocurrency to return your investment Apply a sound strategy to stay ahead of the game Find cryptocurrency value at the source From the basics of cryptocurrency and blockchain to selecting the best currency to mine, this easy-to-access book makes it easy to get started today!

If you feel like you've "missed the boat" on Bitcoin. Think again... Because while Bitcoin continues to hit all time highs, this book will show you it's not too late to invest in "Digital Gold" What was once a fringe currency only used by a dark corner of the web... is now the fastest growing financial asset on Earth. And this is just the beginning... You see, we are still in just the 2nd inning of Bitcoin as a financial entity. So while no financial vehicle is making people rich as quickly as Bitcoin... Less than 10% of Americans and 2% of the worldwide population owns it. But now, the major players are taking an interest. Like Billionaire Hedge Fund owner Paul Tudor Jones Internet pioneer Tim Draper, who was an early investor in companies like Hotmail, Tesla and Robinhood. And CEO of Social Capital, Chamath Palihapitiya, who predicts Bitcoin will be worth $1 million within the next 15 years. So even if you've been unconvinced thus far, this book will give you the straight facts on Bitcoin as a financial asset... without any of the hype or noise. Here is just a fraction of what you will discover: - The surprisingly small amount of Bitcoin you need to join the top 1% of Bitcoin owners worldwide - Page 15 - How a complete technophobe can buy Bitcoin is less than 5 minutes - Page 65 - 5 Billionaires who believe Bitcoin has a part to play in the world economy - Page 16 - Is Bitcoin a legitimate currency? Answered on page 32 - A simple way to automate your Bitcoin purchases so you can take advantage of dollar cost averaging - Page 66 - The exact percentage of Bitcoin transactions that are used for illegal activities. Anti-Bitcoiners get this wrong all the time - Page 51 - Why you should never use Robinhood to buy Bitcoin - Page 70 - The downside of purchasing Bitcoin funds like GBTC - Page 71 - How much of your portfolio should you dedicate to Bitcoin? Our "one size fits all" solution is on page 102 Plus free video tutorials for safely buying and storing Bitcoin on Page 7 This is not a 600 page theoretical book which you need a math degree to understand. Written in plain English and free from repetitive technical jargon. Every single piece of financial and technical terminology is clearly defined inside. You'll find easy-to-follow advice on how to buy and store Bitcoin yourself... without having to pay expensive fees to middlemen. For everyone who feels frustrated after watching Bitcoin soar in price... this is your chance to get in while the going is good. And not feel like you missed the boat... So even if you're never read a single finance or investing book in your life, you will immediately understand how to become a successful long-term investor. To kickstart your Bitcoin journey today, scroll up and click "add to cart"

Mastering Blockchain, Third Edition is the blockchain bible to equip you with extensive knowledge of distributed ledgers, cryptocurrencies, smart contracts, consensus algorithms, cryptography and blockchain platforms such as Ethereum, Bitcoin, and many more.

CLASS IS IN SESSION! Welcome to Cryptocurrency 101. This is your guide to understanding how the world of Bitcoin works and how you can start profiting today! In this book, we will cover all the foundations of crypto, the basics of trading, and how to maximize your earning potential with more advanced concepts to put you head and shoulders above the fray. Don't miss out on this opportunity. Your dreams of financial freedom are just a click away! Thank you for your time and hope to see you profiting from crypto for years to come!

Only today: 15.28$ instead of 21.99$! Are you struggling with the complexity of mining cryptocurrencies? Do you finally want to set up your cryptocurrency mining business and don't know where to start? Lots of investment opportunities have come and go. Now is the time for cryptocurrencies. But are you prepared for this huge opportunity and know how to make the most out of it? Get an easy understanding on how to mine several cryptocurrencies. Mining cryptocurrencies is effortless once you set it up. But understanding the principles behind it and creating the most efficient mining business may seem complex and difficult at first. With this book we have you covered with everything you need to know starting to mine cryptocurrencies: We will be talking about a big variety of coins, including: DASH, Peercoin, Litecoin, Ethereum, Bitcoin, Monero, Zcash, BitcoinCash, Komodo, Namecoin and Feathercoin! What cryptocurrency mining is Reasons for starting mining The pro's and con's of mining The role of proof of work Several types of mining explained How mining works What you need to start mining What a mining pool is, how they work and when to join them Choosing your mining hardware and software How to calculate efficiency Shares - accepted and rejected shares A comprehensive framework which currencies to mine Explanation of the actual mining process Risks of mining cryptocurrencies And much more! Gain a deep knowledge of the process - regardless where you start. Whether you are a software developer, an entrepreneur, a computer geek or just a student, you will benefit from the information contained in this book. It doesn't matter if you

want to start mining as a hobby or to make money from it, this blueprint will guide you towards your goal. So what are you waiting for? Get a copy now to be a part of the cryptocurrency revolution and to start your mining business!

Finally, the beginner's book on mining you have been waiting for! Delving into the process of mining and the technology behind it, this book will cover the essential information needed for mining Bitcoin and other cryptocurrencies. This fantastic book is filled with illustrations and explanations that will help you learn more about this interesting new method of proving transactions. Starting from a soft introduction to mining and understanding how the process works, to being able to build your own mining rig yourself, we have it covered. Whether you are a budding mining enthusiast, looking to create a new revenue stream, or eager to improve your mining knowledge, then this is the book for you.

Terrorist organizations might increase use of digital cryptocurrencies to support their activities. RAND researchers consider the needs of such groups and the advantages and disadvantages of the cryptocurrency technologies available to them.

This easy-to-use guide covers the history, development, and current workings of cybercurrencies and the underground economy, both in the United States and around the world. The world of cybercurrency has experienced explosive growth in recent years, but that expansion has been accompanied by numerous controversies and misunderstandings about what it is, how it works, and how it relates to the underground economy and illegal activities such as money laundering, tax evasion, and human trafficking. Many illegal or malicious activities are paid for with cyber currencies. This book covers those applications. But cyber currencies also have many legitimate, constructive applications, all of which are explained in Rogue Money in clear, plain English, without embellishment or exaggeration. An authoritative and thought-provoking reference for readers seeking a greater understanding of all aspects of alternative cybercurrencies, this encyclopedia includes entries on economic history, international trade, current controversies, and its impact on the wider underground economy. It peels back the layers of jargon and obfuscation, giving each topic individual attention to show how it works and contributes to the whole. Features approximately 175 entries on cybercurrencies and the underground economy Provides background on how major underground economic activities work to put cybercurrencies in context Discusses the benefits and drawbacks of the increased role of cybercurrencies in today's underground economy Includes an appendix of illuminating primary documents, providing insights into key historical developments

Cryptocurrency Mining has been here for awhile. When Cryptocurrencies started to gain transaction, more and more people started investing in Bitcoin and Altcoins. And once you get a hand on investing, you started to look for other ways to get more coins. The transition is mostly as investors and then to miner. And for those developers, it is the other way around. So what is the advantage of mining than buying coins? You have super powers. You can literally make your own currency from nothing. It feels like you are doing something, instead of buying. It's fun. You get to play on the cool and fast hardware like ASIC's, GPU's and FPGA's. You are making money. Oh I mean crypto coins. And that means whatever you mine, you can get it higher if you just HODL. Mining can be challenging. You get to build a mining rig that can surpass your friends set up. You will be the coolest of your friends (and you make the most money too). You're using someone else computer hardware without them knowing, and they don't care (or they don't know). You get a new hobby that is exciting! Not just because of you mining (like the old job of mining gold), but also because Cryptocurrency in general is exciting. Prices fluctuates a thousand times in a week. Not having to deal with exchanges. No transaction fees to take care of, and you can even be a seller of coins if you can mine a lot of them. You can help strengthen the network and helps to protect it to 51% attack. By being a mining, you get to have a vote where Bitcoin will lead. You as a miner can record the block and transaction. You get to make a consensus of where Bitcoin and other coins are headed. Isn't this cool? You can choose what to mine. You can have Bitcoin, Ethereum, Auroracoin, Putincoin, Dash, Ripple, Digibyte, Nxt, Monero, Emercoin, Gridcoin, Iota, ZCash, Peercoin, Ybcoin, Dogecoin, Litecoin, EOS, etc) To give you ideas on what you can get out of this book, below are just some of the topic that I tackle: What is Cryptocurrency? What is Cryptocurrency mining? What You Need to Know Before Starting or Joining a Cryptocurrency Mining Operation The Process of Cryptocurrency Mining The Evolution of Cryptocurrency Mining How Does Cryptocurrency Mining Work? Who can Mine Cryptocurrencies? The Different Cryptocurrency Mining Software The Advantages and Disadvantages of Cryptocurrency Mining The Advantages of Cryptocurrency Mining Who Benefits from Cryptocurrency Mining? The Disadvantages of Cryptocurrency Mining Hardware Safety Tips and Considerations when Mining Cryptocurrencies Mining Cryptocurrencies Mining Bitcoins Mining Altcoins The Future of Cryptocurrency Mining The Most Recent Trend in Cryptocurrency Mining Another Way to Create Cryptocurrency Download This Great Book Today! Available To Read On Your Computer, MAC, Smartphone, Kindle Reader, iPad, or Tablet! Start Learning About Cryptocurrency Mining by Clicking the "Buy Now" Button

What is cryptocurrency? I'm sure many of you are curious of this so called "21st-century money of the future",and due to its increasing recognition and security, the cryptocurrency market looks bright ahead.By the end the time you finish reading my work, you'll certainly know more about cryptocurrencythan most people out there, and this only just the tip of the iceberg an experienced person can benefit from!You'll be up to date on the secrets of cryptocurrencies, enabling you to finally understand the answers behind the most common questions surrounding them and how you can enter into this market and be able to see the future it holds for us all, and how you can take advantage of it. Welcome to your first step into success in this amazing investing period we are in now.Start your path with this comprehensive introduction into understanding all the terminology such as mining and miners, wallet ledger and the hardware used, the different cryptocurrency coins and markets such as bitcoin, ripple, ethereum, tether, and litecoin to mention a few. Get introduced to the different hardware and technologies explained for beginners, work your way up from this book or eBook and you'll eventually learn how to earn passive income during the crypto markets revolutionary expansion!

Is Bitcoin the 21st-century gold? This book contains all of the basics that you need to know about crytocurrency: what it is, how it came into being, why it is important, what its impact can be, and how it can be used (and is currently in use) in

the contemporary world. Bitcoin is not just a new word in the Internet age or technological and financial progress, it's a start of a new era on the Earth!. Inside this book you will find: History of Cryptocurrency What is Mining Benefits of Cryptocurrencies Examples of Employment In Cryptocurrency And more interesting information " "The future of money is digital currency." - Bill Gates. Want to learn more? Scroll to the top of the page and select the BUY button. Download your copy today! And get a FREE Bonus Inside!

Join the technological revolution that's taking the financial world by storm. Mastering Bitcoin is your guide through the seemingly complex world of bitcoin, providing the knowledge you need to 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 revised and expanded second edition provides essential detail to get you started. Bitcoin, the first successful decentralized digital currency, is still in its early stages and yet it's already spawned a multi-billion-dollar global economy open to anyone with the knowledge and passion to participate. Mastering Bitcoin provides the knowledge. You simply supply the passion. The second edition includes: A broad introduction of bitcoin and its underlying blockchain—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 New developments such as Segregated Witness, Payment Channels, and Lightning Network A deep dive into blockchain applications, including how to combine the building blocks offered by this platform into higher-level applications User stories, analogies, examples, and code snippets illustrating key technical concepts

2021 edition. Blockchain is the technology that enables the existence of cryptocurrencies. Bitcoin is the name of the best-known cryptocurrency, the one for which blockchain technology was invented. A cryptocurrency is a medium of exchange, such as the US dollar, British Pound, or Euro, but is digital and uses encryption techniques to control the creation of monetary units and to verify the transfer of funds. This is the descriptive introduction to Cryptocurrencies and Blockchain technology. The 160 pages in this book explain the technology and various cryptocurrencies, including Bitcoin, Ethereum, Ripple, Tether, Polkadot, Cardano, Stellar, Litecoin, Bitcoin Cash, and Dogecoin.

Alternative assets such as fine art, wine, or diamonds have become popular investment vehicles in the aftermath of the global financial crisis. Correlation with classical financial markets is typically low, such that diversification benefits arise for portfolio allocation and risk management. Cryptocurrencies share many alternative asset features, but are hampered by high volatility, sluggish commercial acceptance, and regulatory uncertainties. This collection of papers addresses alternative assets and cryptocurrencies from economic, financial, statistical, and technical points of view. It gives an overview of their current state and explores their properties and prospects using innovative approaches and methodologies.

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.

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)

(Bitcoin: The Ultimate Guide to the World of Bitcoin) Grab this GREAT physical book now at a limited time discounted price! The world has always run on traditional fiat currencies, which have been backed and controlled by governments. The government can inflate or deflate the price of these currencies without any democratic involvement. This also meant a high degree of regulation and government scrutiny that led to manipulation, but then came Bitcoin.Bitcoin is a decentralized virtual currency that is not controlled by anyone, and that doesn't require a third-party intervention. It was created by a figure known as Satoshi Nakamoto in 2008. His identity is still unknown, and he vanished from the online world a few years after introducing the world to the revolutionary technology of Bitcoin.Bitcoin's value has increased over the years because of its popularity, and many people have made a lot of money from it. No central figure controls Bitcoin, but it's regulated by a peer-to-peer network that provides it with a functional base without the need of an external figure. Bitcoin is a democratic currency because it can't be

influenced or manipulated by a few wealthy people for their gains and interests.Most people have heard about Bitcoin and cryptocurrencies, but there is a lot of mystery that surrounds this terminology. Therefore most people are hesitant about investing in this lucrative currency. Bitcoin has almost become a buzzword in the last few years, thanks to its growing popularity. But the important question is, how does Bitcoin function? Is it a sound investment opportunity? How can you buy Bitcoin?If you want the answer to these questions, then this is the book that you need. Bitcoin is changing the world, and it is entirely possible that in the next twenty years, it might become the currency that everyone in the world uses. Some governments, like that of Japan and Switzerland, are openly embracing it while others are strictly against its use. Bitcoin is growing every day, and those who are in the game are already making thousands of dollars from it. So, if you want to understand what the hype is all about it, you have found the right book. Order your copy of this fantastic book today!

An introduction to cryptocurrencies and blockchain technology; a guide for practitioners and students. Bitcoin and blockchain enable the ownership of virtual property without the need for a central authority. Additionally, Bitcoin and other cryptocurrencies make up an entirely new class of assets that have the potential for fundamental change in the current financial system. This book offers an introduction to cryptocurrencies and blockchain technology from the perspective of monetary economics.

Understand Bitcoin, blockchains, and cryptocurrency with this clear and comprehensible guide Learn the history and basics of cryptocurrency and blockchains: There's a lot of information on cryptocurrency and blockchains out there. But, for the uninitiated, most of this information can be indecipherable. The Basics of Bitcoins and Blockchains aims to provide an accessible guide to this new currency and the revolutionary technology that powers it. Bitcoin, Ethereum, and other cryptocurrencies: Gain an understanding of a broad spectrum of Bitcoin topics. The Basics of Bitcoins and Blockchains covers topics such as the history of Bitcoin, the Bitcoin blockchain, and Bitcoin buying, selling, and mining. It also answers how payments are made and how transactions are kept secure. Other cryptocurrencies and cryptocurrency pricing are examined, answering how one puts a value on cryptocurrencies and digital tokens. Blockchain technology: Blockchain technology underlies all cryptocurrencies and cryptocurrency transactions. But what exactly is a blockchain, how does it work, and why is it important? The Basics of Bitcoins and Blockchains will answer these questions and more. Learn about notable blockchain platforms, smart contracts, and other important facets of blockchains and their function in the changing cyber-economy. Things to know before buying cryptocurrencies: The Basics of Bitcoins and Blockchains offers trustworthy and balanced insights to those interested in Bitcoin investing or investing in other cryptocurrency. Discover the risks and mitigations, learn how to identify scams, and understand cryptocurrency exchanges, digital wallets, and regulations with this book. Readers will learn about: • Bitcoin and other cryptocurrencies • Blockchain technology and how it works • The workings of the cryptocurrency market • The evolution and potential impacts of Bitcoin and blockchains on global businesses Dive into the world of cryptocurrency with confidence with this comprehensive introduction.

Do you need a bitcoin for dummies book that isn't written for dummies? A guide that's up to date with the latest cryptocurrency news for 2018? A beginner's guide to bitcoin, altcoin trading, the Ethereum blockchain, cryptocurrency exchanges and more? Let's make the super complex bitcoin economy very simple to understand. It has been put together by award-winning journalist Chris Stead and the team of expert writers from Crypto Finder. It has been purpose built for people who want to learn about cryptocurrency and understand how cryptocurrency works, but need the technobabble broken down into layman's terms. Inside you'll not just learn how to make money with cryptocurrency, but also... How cryptocurrency started. A blockchain for dummies guide, cryptocurrency mining, the best cryptocurrency wallets and best cryptocurrency exchanges. A step-by-step guide to trading bitcoin, trading Ethereum and trading cryptocurrency. Avoiding scams in bitcoin investments. How to do a cryptocurrency technical analysis and read cryptocurrency charts. The difference between cryptocurrency altcoins. Cryptocurrency predictions for Bitcoin, Ethereum, Ripple (XRP), Litecoin, Stellar, TRON and more. This is the bible you need to successfully break into the $300 billion-dollar cryptocurrency market. Understand how to buy cryptocurrency, cryptocurrency trading, the blockchain economy, cryptocurrency pricing and cryptocurrency investment. Learn the best crypto online trading sites. We also detail the differences between all the major altcoins, including Bitcoin vs Ethereum, with a detailed bitcoin analysis and Ethereum analysis. The good news is, anybody can get involved in and try their hand at making money with cryptocurrency. What is cryptocurrency and what is blockchain are questions many ask, and this complete dummies guide covers the following chapters: Introduction to What is Cryptocurrency? How did bitcoin trading start? What is blockchain and how does blockchain work? Understanding bitcoin, altcoin and Ethereum mining How cryptocurrency works Explaining ICOs What is an altcoin? Explaining blockchain forks What is a cryptocurrency wallet? What is a cryptocurrency exchange? A step-by-step guide to converting real money to cryptocurrency Supply, demand and volatility: investing in cryptocurrency How to trade cryptocurrencies step-by-step guide to trading bitcoin to Ethereum or to altcoins Where to use cryptocurrency How to avoid cryptocurrency scams and pyramid schemes What are the best altcoins? What is Bitcoin What is Ethereum Bitcoin vs Ethereum What is Ripple XRP What is Stellar Lumens Ripple vs Stellar What is Bitcoin Cash What is Litecoin What is Cardano What is EOS What is NEO What is IOTA What is Monero What is TRON How to read cryptocurrency charts and do a technical analysis How to get cryptocurrency news Cryptocurrency terms explained Visit finder.com/cryptocurrency for all your daily news and updates. This cryptocurrency book joins Cryptoassets: The Innovative Investor's Guide to Bitcoin and Beyond by Chris Burniske, Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction by Arvind Narayanan, Blockchain Technology Explained: The Ultimate Beginner's Guide About Blockchain Wallet, Mining, Bitcoin, Ethereum, Litecoin, Zcash, Monero, Ripple, Dash, IOTA and Smart Contracts by Alan T. Norman and Life After Google: The Fall of Big Data and the Rise of the Blockchain Economy by George Gild

While Computer Security is a broader term which incorporates technologies, protocols, standards and policies to ensure the security of the computing systems including the computer hardware, software and the information stored in it, Cyber Security is a specific, growing field to protect computer networks (offline and online) from unauthorized access, botnets, phishing scams, etc. Machine learning is a branch of Computer Science which enables computing machines to adopt new behaviors on the basis of observable and verifiable data and information. It can be applied to ensure the security of the computers and the information by detecting anomalies using data mining and other such techniques. This book will be an invaluable resource to understand the importance of machine learning and data mining in establishing computer and cyber security. It emphasizes important security aspects associated with computer and cyber security along with the analysis of machine learning and data mining based solutions. The book also highlights the future research domains in which these solutions can be applied. Furthermore, it caters to the needs of IT professionals, researchers, faculty members, scientists, graduate students, research scholars and software developers who seek to carry out research and develop combating solutions in the area of cyber security using machine learning based approaches. It is an extensive source of information for the readers belonging to the field of Computer Science and Engineering, and Cyber Security professionals. Key Features: This book contains examples and illustrations to demonstrate the principles, algorithms, challenges and applications of machine learning and data mining for computer and cyber security. It showcases important security aspects and current trends in the field. It provides an insight of the future research directions in the field. Contents of this book help to prepare the students for exercising better defense in terms of understanding the motivation of the attackers and how to deal with and mitigate the situation using machine learning based approaches in better manner.

Bitcoin and cryptocurrency; the future or a fad. Answering all your questions in-depth using straightforward language cutting though the jargon, to enable you to understand the issues. Plus Bonus Guide on the Top Five Cryptocurrencies. If you are new to cryptocurrencies, then this definitive book is for you.

Do you finally want to set up your cryptocurrency mining business and don't know how to start and what do you need for that? This book has

all answers! Are you looking for ways to earn money online from home just using mining rig and pools? Cryptocurrencies are changing the way that we do business. This market provides users with a way to send transactions instantly while keeping their information private and coins transfers fees low. This book explains to you about cryptocurrency mining from its very basics. Initially, you will learn about all the different terminologies associated with the mining process. This guidebook is going to take some time to look at mining and how you can get started with it. We will explore a variety of topics about mining including: * What is coin mining * The risks and benefits of coin mining * What you need to help you get started * The top currencies to mine * Common problems a miner will face * How to join a mining group When you are ready to start your small home-business and earn some digital coins every day, then mining is the best option for you. Take some time to read this guidebook to learn everything you need to know to get started with cryptocurrency mining. Tags: buy bitcoins, bitcoin price, bitcoins, bitcoin, how to earn money in internet, books on investing for beginners, make money machine, money management day trading, make money in internet, steps financial freedom, blockchain for dummies, blockchain for dummies 2018, bitcoin book, bitcoin book paperback, how to invest in cryptocurrency, bitcoin guidebook, mastering bitcoin, cryptocurrency revolution Please note: Book is available in 2 Paperback formats- Black and White and Full color. Choose the best for you.

The world of Bitcoin can initially be intimidating and hard to comprehend completely. With this book, you have a personal guide arming you with the tools you'll need and leading you through the different challenges presented by Bitcoin mining, trading, and investing. The following chapters will provide a thorough understanding of Bitcoin mining, trading, and investing for profit. Discussed in-depth includes crucial information and base principles regarding Bitcoin and its related systems, how to go about Bitcoin mining for profit, wise cryptocurrency investing practices, the importance of carefully choosing and securing Bitcoin wallets as well as other currency storage methods (paper wallets, cold storage, etc.), information regarding blockchain technology and transactions, and all of the other information you'll need to make the most out of Bitcoin. Several resources are provided here, including profit calculators specific to Bitcoin mining, reliable and authentic Bitcoin exchanges, informative examples of trusted mining software and hardware, where to go to buy, sell, and exchange coins, reliable digital wallet apps, and many more tools to give you an upper hand in the world of Bitcoin. Whether you're a beginner in the world of digital currency or you're a more seasoned Bitcoin miner, the content of this book aims to provide you with the complete information and extensive know-how you need to understand Bitcoin and start making a valuable profit using unique technological and investing savvy. There are plenty of books on this subject on the market, thanks again for choosing this one. Every effort was made to make sure it is full of as much useful information as possible; please enjoy!

The emergence of crypto assets has required taxation authorities worldwide to develop unprecedented policies and compelled tax lawyers to apply existing laws in new ways. This book – the only one to focus solely on the taxation of crypto assets – provides a detailed country-by-country analysis of how the tax law of thirty-nine countries may apply to this rapidly developing area, including different use cases and compliance and documentation requirements. Following an overview of the technology and key characteristics of crypto assets, as well as the key tax concepts and types of taxes that could apply to them, leading practitioners in each particular jurisdiction summarize the relevant tax law in that country. Fully explained are such aspects of crypto assets as the following and how they are interrelated: sales; exchanges; receipt as remuneration; forks; airdrops; mining; staking; initial coin offerings; security token offerings; and initial exchange offerings. Contributors describe how each jurisdiction applies income and capital gains taxation, value-added tax and sales tax, withholding taxes, transfer taxes, and gift, inheritance, estate and wealth taxes in the context of crypto assets. Reporting requirements and enforcement are also covered. Tax law, as it applies to crypto assets, is new and continues to evolve. This book will be welcomed as the premier resource for tax practitioners, government officials, advisors, investors, issuers, users of crypto assets, and taxation academics who are seeking informed awareness of the policy choices countries make in dealing with the taxation of this new technology. Tax lawyers dealing with crypto assets will have comprehensive practical guidance on how to comply with the tax laws of multiple jurisdictions.

Dive into a secure future Professionals look to Ethereum as a blockchain-based platform to develop safe applications and conduct secure transactions. It takes a knowledgeable guiding hand to understand how Ethereum works and what it does — and Ethereum For Dummies provides that guidance. Written by one of the leading voices in the blockchain community and best selling author of Blockchain For Dummies, this book demystifies the workings of Ethereum and shows how it can enhance security, transactions, and investments. As an emerging application of blockchain technology, Ethereum attracts a wide swath of professionals ranging from financial pros who see it as a way to enhance their business, security analysts who want to conduct secure transactions, programmers who build apps that employ the Ethereum blockchain, or investors interested in cashing in on the rise of cryptocurrency. Ethereum For Dummies offers a starting point to all members of this audience as it provides easy-to-understand explanation of the tools and techniques of using Ethereum. Understand the fundamentals of Ethereum Build smart contracts Create decentralized applications Examine public and private chains If you need to get a grip on one of the biggest applications of blockchain technology, this book makes it easier.

How much do you know about Bitcoin?How much do you make as a Bitcoin Miner?Do you know the hacks and tricks that you need to be a successful miner? Bitcoin Explained is all you need to explore the world of Bitcoin and know all that you need to know about Bitcoin. This is why this book is presented to you as an all-encompassing solution to every outstanding question you''ve ever had about Bitcoin. In this book titled "Bitcoin Explained" Austine Clement walks you through a step-by-step process of Bitcoin mining and investment. Also, in this book you will learn: All about Bitcoin How digital signature works How Blockchain Technology work How Cloud mining works How to convert your cash into bitcoin and converting your bitcoin back in to cash How and where to use your bitcoin How to set up your Bitcoin miner How to calculate your profitability And a host of other things that is necessary for you as a Bitcoin miner or investor I''ll rather not bother you with lengthy explanations of what this book entails....Join Austine as he tour into world of Bitcoin Explained..... what are you waiting for? CLICK THE BUY BUTTON NOW! tags: bitcoin shirt, bitcoin shirt mens, bitcoin shirt women, bitcoin shirt long sleeve, bitcoin shirt kids, bitcoin shirt satoshi, bitcoin shirt funny, bitcoin shirt plan b, bitcoin shirt magic internet money, bitcoin shirt hodl, bitcoin machine, bitcoin machine miner s9, bitcoin machine miner, bitcoin machine s9, bitcoin machine s7, bitcoin machine s9 ad minder, bitcoin machine usb, bitcoin machines l3, mining bitcoin machine, bitcoin hat, bitcoin hat fitted, bitcoin hat hodl, bitcoin rig, bitcoin rig set, bitcoin rig case, bitcoin right-wing, bitcoin rig frame, trezor bitcoin, trezor bitcoin wallet, trezor bitcoin wallet, black, trezor bitcoin wallet white, trezor bitcoin hardware wallet, trezor bitcoin wallet/ ethereum wallet, trezor bitcoin wallet case, trezor bitcoin wallet grey, bitcoin miner, bitcoin miner usb, bitcoin miner s9, bitcoin miner raspberry, bitcoin miner th/s, bitcoin miner hardware, asic bitcoin miner, gekkoscience bitcoin miner, bitcoin miner s7, bitcoin miner shirt, gekkoscience bitcoin, bitcoin mining hardware, bitcoin mining hardware asic, bitcoin mining hardware s9,

bitcoin mining hardware antminer, bitcoin mining hardware usb, bitcoin coin gold, bitcoin coin gold necklace, bitcoin miner raspberry pi, bitcoin miner antminer, bitcoin miner antminer s7, bitcoin miner antminer s9, bitcoin miner antminer usb, bitcoin miner antminer s1, bitcoin wallet usb, bitcoin wallet usb-c, bitcoin wallet paper, bitcoin wallet paper coin, bitcoin miner th, bitcoin miner ths, bitcoin miner hardware usb, bitcoin mining usb, bitcoin mining usb hub, bitcoin mining usb stick, bitcoin mining usb asic, bitcoin mining machine, bitcoin mining machine s9, mining bitcoin machine s9, bitcoin miner avalon, bitcoin miner avalon 741, bitcoin and cryptocurrency technologies, bitcoin and cryptocurrency technologies a comprehensive introduction, bitcoin and cryptocurrency technologies a comprehensive, bitcoin miner pc, bitcoin miner pci, bitcoin miner machine, bitcoin miner machine s7, mastering bitcoin for dummies, mast, ring bitcoin for dummies by alan t. norman, bitcoin shirt mens long sleeve, bitcoin mining book, bitcoin mining books, bitcoin mining for dummies, bitcoin t shirts for men, bitcoin t shirts, bitcoin miner s9 13.5 th/s, bitcoin miner s9 14, bitcoin miner s9 power, bitcoin miner asic, bitcoin miner asic usb, bitcoin miner asic block erupter usb, bitcoin miner asic block erupter, bitcoin wallet"a 0, bitcoin mining 2017, bitcoin shirt king, bitcoin t shirt hodl, asic bitcoin miner usb, asic bitcoin miner block erupter, mastering bitcoin 2, mastering bitcoin 2nd edition, bitcoin miner app, bitcoin mining software, bitcoin miner s5 This textbook focuses on distributed ledger technology (DLT) and its potential impact on society at large. It aims to offer a detailed and self-contained introduction to the founding principles behind DLT accessible to a well-educated but not necessarily mathematically oriented audience. DLT allows solving many complicated problems arising in economics, banking, and finance, industry, trade, and other fields. However, to reap the ultimate benefits, one has to overcome some of its inherent limitations and use it judiciously. Not surprisingly, amid increasing applications of DLT, misconceptions are formed over its use. The book thoroughly dispels these misconceptions via an impartial assessment of the arguments rooted in scientific reasoning.Blockchain and Distributed Ledgers: Mathematics, Technology, and Economics offers a detailed and self-contained introduction to DLT, blockchains, and cryptocurrencies and seeks to equip the reader with an ability to participate in the crypto economy meaningfully. 7 BOOKS IN 1 DEAL!-BOOK 1: BITCOIN IS BLOCKCHAIN AND HERE IS WHY!-BOOK 2: LEARN FAST WHY BITCOIN IS THE INVENTION OF THE 21ST CENTURY-BOOK 3: MEET THE ARCHITECT OF BITCOIN AND BLOCKCHAIN: SATOSHI NAKAMOTO-BOOK 4: CRYPTOCURRENCY INVESTING USING HOT & COLD WALLETS-BOOK 5: CRYPTOCURRENCY INVESTING: 17 PRIVACY BASED COINS YOU SHOULD KNOW ABOUT-BOOK 6: BITCOIN AND CRYPTOCURRENCY TRADING FOR BEGINNERS: MUST HAVE TOOLS, BEST EXCHANGES AND TRADING STRATEGIES-BOOK 7: BITCOIN AND CRYPTOCURRENCY TRADING FOR BEGINNERS: TRADING BOTS, CANDLESTICK PATTERNS AND TRADING PSYCHOLOGYBUY THIS BUNDLE BOOK NOW AND GET STARTED TODAY!THESE BOOKS COVER THE FOLLOWING: BOOK 1-THIS BOOK FOCUSES ON THE HISTORY OF FINANCE AND BITCOIN.BOOK 2-THIS BOOK IS ABOUT THE CYPHERPUNKS, BLOCKCHAIN, BITCOIN MINING AND BLOCK REWARD PROCESS.BOOK 3-THIS BOOK FOCUSES ON SATOSHI NAKAMOTO, AKA THE INVENTOR OF BITCOIN AND BLOCKCHAIN.BOOK 4-THIS BOOK IS ABOUT CRYPTOCURRENCY WALLETS.BOOK 5-THIS BOOK COVERS PRIVACY BASED CRYPTOCURRENCIES.-STRATEGIES ON WHERE TO BUY, HOW TO BUY AND HOW TO SELL PRIVACY BASED COINS + FUNDAMENTAL AND TECHNICAL ANALYSISBOOK 6-THIS BOOK IS ABOUT BITCOIN AND CRYPTOCURRENCY TRADING.-MARKET MANIPULATION TECHNIQUES, HOW TO BUILD OPTIONS STRATEGIES, TRADING FORMULAS, LEVERAGED TRADING STRATEGIES, BITMEX & BTC FUTURES AND MORE... BOOK 7-THIS BOOK IS ABOUT BITCOIN AND CRYPTOCURRENCY TRADING.-BULLISH CANDLESTICKS, BEARISH CANDLESTICKS AND CONTINUATION CANDLESTICK PATTERNS, IMPLIED VOLATILITY, WHY IMPLIED VOLATILITY, IMPLIED VOLATILITY RANK AND MORE...BUY THIS BOOK NOW AND GET STARTED TODAY!

As we enter the Industrial Revolution 4.0, demands for an increasing degree of trust and privacy protection continue to be voiced. The development of blockchain technology is very important because it can help frictionless and transparent financial transactions and improve the business experience, which in turn has far-reaching effects for economic, psychological, educational and organizational improvements in the way we work, teach, learn and care for ourselves and each other. Blockchain is an eccentric technology, but at the same time, the least understood and most disruptive technology of the day. This book covers the latest technologies of cryptocurrencies and blockchain technology and their applications. This book discusses the blockchain and cryptocurrencies related issues and also explains how to provide the security differently through an algorithm, framework, approaches, techniques and mechanisms. A comprehensive understanding of what blockchain is and how it works, as well as insights into how it will affect the future of your organization and industry as a whole and how to integrate blockchain technology into your business strategy. In addition, the book explores the blockchain and its with other technologies like Internet of Things, big data and artificial intelligence, etc.

Find out what Blockchain is, how it works, and what it can do for you Blockchain is the technology behind Bitcoin, the revolutionary 'virtual currency' that's changing the way people do business. While Bitcoin has enjoyed some well-deserved hype, Blockchain may be Bitcoin's most vital legacy. Blockchain For Dummies is the ideal starting place for business pros looking to gain a better understanding of what Blockchain is, how it can improve the integrity of their data, and how it can work to fundamentally change their business and enhance their data security. Blockchain For Dummies covers the essential things you need to know about this exciting technology's promise of revolutionizing financial transactions, data security, and information integrity. The book covers the technologies behind Blockchain, introduces a variety of existing Blockchain solutions, and even walks you through creating a small but working Blockchain-based application. Blockchain holds the promise to revolutionize a wide variety of businesses. Get in the know about Blockchain now with Blockchain For Dummies and be ready to make the changes to business that your colleagues and competitors will later wish they'd done. Discover ten ways Blockchain can change business Find out how to apply a Blockchain solution See how to make data more secure Learn how to work with vendors Filled with vital information and tips on how this paradigm-changing technology can transform your business for the better, this book will not only show you Blockchain's full potential, but your own as well!

Have you ever thought about investing on Bitcoin? How much do you know about Bitcoin? Are you tired of bugging yourself with questions like: How Do I invest on Bitcoin? Where do I buy Bitcoin? When is the right time to buy? When is the right time to sale? What can I buy and where can I buy goods and services using Bitcoin? How can I be a Bitcoin miner? How can I setup Bitcoin hardware miner? How can I prevent Bitcoin double spend? What are the risk of Bitcoin? How can I compete for Bitcoin favourably? How does Cloud mining works? How does Blockchain technology works? How does digital signature works? How does Bitcoin mining works? How do I calculate my profit? And a lots of other questions? Bitcoin for Dummies is all you need to unravelled answers to all these question and any other question that you can

imagine.In this book, Clement exposes: Bitcoin investment, tips and tricks and a lot more to give you the best value you can get for each cent that you invest in Bitcoin mining and investment.I'll rather not bother you with lengthy explanations of what this book entails....Join Clement as he take you into the world of Bitcoin for Dummies..... what are you waiting for? CLICK THE BUY BUTTON NOW! tags: bitcoin shirt, bitcoin shirt mens, bitcoin shirt women, bitcoin shirt long sleeve, bitcoin shirt kids, bitcoin shirt satoshi, bitcoin shirt funny, bitcoin shirt plan b, bitcoin shirt magic internet money, bitcoin shirt hodl, bitcoin machine, bitcoin machine miner s9, bitcoin machine miner, bitcoin machine s9, bitcoin machine s7, bitcoin machine s9 ad minder, bitcoin machine usb, bitcoin machines l3, mining bitcoin machine, bitcoin hat, bitcoin hat fitted, bitcoin hat hodl, bitcoin rig, bitcoin rig set, bitcoin rig case, bitcoin right-wing, bitcoin rig frame, trezor bitcoin, trezor bitcoin wallet, trezor bitcoin wallet, black, trezor bitcoin wallet white, trezor bitcoin hardware wallet, trezor bitcoin wallet/ ethereum wallet, trezor bitcoin wallet case, trezor bitcoin wallet grey, bitcoin miner, bitcoin miner usb, bitcoin miner s9, bitcoin miner raspberry, bitcoin miner th/s, bitcoin miner hardware, asic bitcoin miner, gekkoscience bitcoin miner, bitcoin miner s7, bitcoin miner shirt, gekkoscience bitcoin, bitcoin mining hardware, bitcoin mining hardware asic, bitcoin mining hardware s9, bitcoin mining hardware antminer, bitcoin mining hardware usb, bitcoin coin gold, bitcoin coin gold necklace, bitcoin miner raspberry pi, bitcoin miner antminer, bitcoin miner antminer s7, bitcoin miner antminer s9, bitcoin miner antminer usb, bitcoin miner antminer s1, bitcoin wallet usb, bitcoin wallet usb-c, bitcoin wallet paper, bitcoin wallet paper coin, bitcoin miner th, bitcoin miner ths, bitcoin miner hardware usb, bitcoin mining usb, bitcoin mining usb hub, bitcoin mining usb stick, bitcoin mining usb asic, bitcoin mining machine, bitcoin mining machine s9, mining bitcoin machine s9, bitcoin miner avalon, bitcoin miner avalon 741, bitcoin and cryptocurrency technologies, bitcoin and cryptocurrency technologies a comprehensive introduction, bitcoin and cryptocurrency technologies a comprehensive, bitcoin miner pc, bitcoin miner pci, bitcoin miner machine, bitcoin miner machine s7, mastering bitcoin for dummies, mast, ring bitcoin for dummies by alan t. norman, bitcoin shirt mens long sleeve, bitcoin mining book, bitcoin mining books, bitcoin mining for dummies, bitcoin t shirts for men, bitcoin t shirts, bitcoin miner s9 13.5 th/s, bitcoin miner s9 14, bitcoin miner s9 power, bitcoin miner asic, bitcoin miner asic usb, bitcoin miner asic block erupter usb, bitcoin miner asic block erupter, bitcoin wallet'a 0, bitcoin mining 2017, bitcoin shirt king

Starting Using and Profiting from Cryptocurrency!Bitcoin and other cryptocurrencies are revolutionizing banking, finance, and commerce. If you are an investor, trader, developer, entrepreneur, or merchant, your world is about to change. Merchants and investors: Learn the basics of cryptocurrency and how you can use it before your competitors do!End-Users and Traders: Take control of your finances in ways you never could before.Everyone: Understand and be a part of the cryptocurrency revolution before it passes you by! Get Five Entry-Level Cryptocurrency Guides in One Book: Bitcoin: A Simple IntroductionBitcoin: A Concise HistoryUnderstanding BitcoinEthereum: A PrimerandCryptocurrency: A Primer Bitcoin: A Simple IntroductionUnderstand the Basics of Bitcoin Answers you will find in this book: What is Bitcoin? What makes it special? What is the Blockchain? What is mining? Who controls Bitcoin? Is Bitcoin secure? Is Bitcoin anonymous? How can I use Bitcoin safely? Should I invest in Bitcoin? ...And More! Bitcoin: A Concise HistoryA Timeline of Bitcoin's Defining Moments You Will Learn: What are the key events that caused or coincided with massive price movements? Why are people so adamant about not leaving bitcoin on an exchange? What do "HODL" and "Gox" mean? Why are there different versions of the Bitcoin software? What are Bitcoin's philosophical roots? ...And More! Understanding BitcoinA Bitcoin User's Guide for Everyone You will learn: Where to find an exchange, and what to NEVER do when you use one. How use bitcoin to buy items on Amazon without using gift cards. The truth about Bitcoin mining that most other books won't tell you. What NOT to do if you want to keep your transactions as private as possible. Whether you should invest in Bitcoin or avoid it at all costs. ...and more! Ethereum: A PrimerYour Guide to Understanding, Using, And Profiting from the Digital Currency That's Smarter Than Bitcoin Answers you will find in this book: What is Ethereum? Who Created It and Why? What Makes Ethereum Better Than Bitcoin? What Makes It Valuable? How and Where do you Buy? ...And More! Cryptocurrency: A PrimerStart Profiting From Cryptocurrency! Inside, you'll discover: Which cryptocurrencies are worth holding regardless of price? Where to purchase cryptocurrencies and what you should NEVER do after you buy? Which currencies are BETTER than Bitcoin, and why? What are the key differences between the popular altcoins? Which cryptocurrency niche is about to take off? (Each book is also available separately... save money with this combined volume!)

An introduction to cryptocurrencies and blockchain technology; a guide for practitioners and students. Bitcoin and blockchain enable the ownership of virtual property without the need for a central authority. Additionally, Bitcoin and other cryptocurrencies make up an entirely new class of assets that have the potential for fundamental change in the current financial system. This book offers an introduction to cryptocurrencies and blockchain technology that begins from the perspective of monetary economics. The book first presents a nontechnical discussion of monetary theory, enabling readers to understand how cryptocurrencies are a radical departure from existing monetary instruments, and provides an overview of blockchain technology and the Bitcoin system. It then takes up technical aspects of Bitcoin in more detail, covering such topics as the Bitcoin network, its communications protocol, the mathematics underpinning decentralized validation, transaction types, the data structure of blocks, the proof-of-work consensus mechanism, and game theory. Finally, the book discusses specific issues and applications, including price volatility, regulatory uncertainty, and central bank cryptocurrencies, as well as such alternative applications as decentralized verification and attestation, tokens, and smart contracts. The concluding chapter offers practical advice on getting started with Bitcoin. End-of-chapter exercises allow readers to test their knowledge. Bitcoin, Blockchain, and Cryptoassets is suitable for classroom use and as a reference for practitioners.

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.

Can blockchain solve your biggest business problem? While the world is transfixed by bitcoin mania, your competitors are tuning out the noise and making strategic bets on blockchain. Your rivals are effortlessly tracking every last link in their supply chains. They're making bureaucratic paper trails obsolete while keeping their customers' data safer and discovering new ways to use this next foundational technology to sustain their competitive advantage. What should you be doing with blockchain now to ensure that your business is poised for success? "Blockchain: The Insights You Need from Harvard Business Review" brings you today's most essential thinking on blockchain, explains how to get the right initiatives started at your company, and prepares you to seize the opportunity of the coming blockchain wave. Business is changing. Will you adapt or be left behind? Get up to speed and deepen your understanding of the topics that are shaping your company's future with the Insights You Need from Harvard Business Review series. Featuring HBR's smartest thinking on fast-moving issues--blockchain, cybersecurity, AI, and more--each book provides the foundational introduction and practical case studies your organization needs to compete today and collects the best research, interviews, and analysis to get it ready for tomorrow. You can't afford to ignore how these issues will transform the landscape of business and society. The Insights You Need series will help you grasp these critical

ideas--and prepare you and your company for the future.

This book provides a comprehensive introduction to blockchain and distributed ledger technology. Intended as an applied guide for hands-on practitioners, the book includes detailed examples and in-depth explanations of how to build and run a blockchain from scratch. Through its conceptual background and hands-on exercises, this book allows students, teachers and crypto enthusiasts to launch their first blockchain while assuming prior knowledge of the underlying technology. How do I build a blockchain? How do I mint a cryptocurrency? How do I write a smart contract? How do I launch an initial coin offering (ICO)? These are some of questions this book answers. Starting by outlining the beginnings and development of early cryptocurrencies, it provides the conceptual foundations required to engineer secure software that interacts with both public and private ledgers. The topics covered include consensus algorithms, mining and decentralization, and many more. "This is a one-of-a-kind book on Blockchain technology. The authors achieved the perfect balance between the breadth of topics and the depth of technical discussion. But the real gem is the set of carefully curated hands-on exercises that guide the reader through the process of building a Blockchain right from Chapter 1." Volodymyr Babich, Professor of Operations and Information Management, McDonough School of Business, Georgetown University "An excellent introduction of DLT technology for a non-technical audience. The book is replete with examples and exercises, which greatly facilitate the learning of the underlying processes of blockchain technology for all, from students to entrepreneurs." Serguei Netessine, Dhirubhai Ambani Professor of Innovation and Entrepreneurship, The Wharton School, University of Pennsylvania "Whether you want to start from scratch or deepen your blockchain knowledge about the latest developments, this book is an essential reference. Through clear explanations and practical code examples, the authors take you on a progressive journey to discover the technology foundations and build your own blockchain. From an operations perspective, you can learn the principles behind the distributed ledger technology relevant for transitioning towards blockchain-enabled supply chains. Reading this book, you'll get inspired, be able to assess the applicability of blockchain to supply chain operations, and learn from best practices recognized in real-world examples." Ralf W. Seifert, Professor of Technology and Operations Management at EPFL and Professor of Operations Management at IMD

The Crypto Market Ecosystem has emerged as the most profound application of blockchain technology in finance. This textbook adopts an integrated approach, linking traditional functions of the current financial system (payments, traded assets, fundraising, regulation) with the respective functions in the crypto market, in order to facilitate the reader in their understanding of how this new ecosystem works. The book walks the reader through the main features of the blockchain technology, the definitions, classifications, and distinct characteristics of cryptocurrencies and tokens, how these are evaluated, how funds are raised in the cryptocurrency ecosystem (ICOs), and what the main regulatory approaches are. The authors have compiled more than 100 sources from different sub-fields of economics, finance, and regulation to create a coherent textbook that provides the reader with a clear and easily understandable picture of the new world of encrypted finance and its applications. The book is primarily aimed at business and finance students, who already have an understanding of the basic principles of how the financial system works, but also targets a more general readership, by virtue of its broader scope and engaging and accessible tone.

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