Dubai To Use Blockchain Technology For All Government

Taxation, Virtual Currency and Blockchain
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The Report: Dubai 2018
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Big Data Analytics
Handbook of Green Computing and Blockchain Technologies
Computational Intelligence Applications in Cyber Security
Cryptocurrencies and Blockchain Technology Applications
Trust Models for Next-Generation Blockchain Ecosystems
Basic Concepts Of Blockchain Technologies
Introduction to Blockchain Technology
Exploration of Novel Intelligent Optimization Algorithms
Research Anthology on Blockchain Technology in Business, Healthcare, Education, and Government
Cryptocurrencies: Bitcoin, Blockchain and Beyond
Blockchain Technology and Applications
Blockchain Technology
ITNG 2022 19th International Conference on Information Technology-New Generations
Digital Entrepreneurship
Blockchain for Smart Cities
Applications of Blockchain Technology in Business
Internet of Things

BUCKLEY BALDWIN

Taxation, Virtual Currency and Blockchain IGI Global
The book provides a comprehensive overview of cyber security in Industry 5.0, data security in emerging technologies, block chain technology, cloud computing security, evolving IoT and OT threats, and considerable data integrity in healthcare. The impact of security risks on various sectors is explored including artificial intelligence in national security, quantum com-puting for security, and AI-driven cyber security techniques. It explores how cyber security is applied across different areas of human life through computational modeling. The book concludes by presenting a roadmap for securing computing environments, addressing the complex interplay between advanced technologies and emerging security challenges, and offering insights into future trends and innovations for sustainable development. This book: • Analyzes the use of AI, support vector machines, and deep learning for dataclassification, vulnerability prediction, and defense. • Provides insights into data protection for Industry 4.0/5.0, cloud computing, and IoT/OT, focusing on risk mitigation. • Explores block chain's role in smart nations, financial risk management, and the potential of quantum computing for security. • Examines AI's applications in national security, including India's AI strategy and securing smart cities. • Evaluate strategies for data integrity in healthcare, secure IoT platforms, and supply chain cyber security. The text is primarily written for senior undergraduate, graduate students, and academic researchers in the fields of electrical engineering, electronics and communication engineering, computer engineering, and information technology.
The Auditor's Guide to Blockchain Technology CRC Press
Dubai has continued to meet its targets in becoming the global capital of Islamic finance, nearly doubling the number of sukuk (Islamic bonds) listings on its exchanges since 2017. Furthermore, eased policy restrictions to encourage foreign investment and the 2019 budget's continued commitment to infrastructure development ahead of Expo 2020 are expected to continue driving economic activity. As one of the most diversified economies in the region, Dubai continues to present growth opportunities in various sectors including tourism, logistics, manufacturing and education. Although the emirate has benefitted from its proximity to oil and gas fields, Dubai is right at the forefront of the emerging cleaner energy world, and developing and promoting renewable technologies, including solar energy and electric vehicles.
Reshaping Intelligent Business and Industry Springer Nature
This book provides insights on blockchain technology and its applications in real-world business, supply chain, health care, education, HRM, retail, logistics and transport industries. This book grants a comprehensive understanding of how this technology is functioning within modern real-world applications and how it can influence the future of the real-world applications in industry. The chapters cover the case study, applications of blockchain, benefits and challenges, disruptive innovations in real-world applications, privacy and security concerns, and the recent trends of blockchain in real-world applications. It is ideally intended for marketers, advertisers, brand managers, executives, managers, IT specialists and consultants, researchers, businesses, practitioners, stakeholders, academicians, and students interested in blockchain technology and its role in supply chain, health care, education, HRM, retail, logistics and transport industries.
Blockchain for Biomedical Research and Healthcare CRC Press
The convergence of Artif icial Intelligence (AI) and Internet of Things (IoT) is reshaping the way industries, businesses, and economies function; the 34 chapters in this collection show how the full potential of these technologies is being enabled to create intelligent machines that simulate smart behavior and support decision-making with little or no human interference, thereby providing startling organizational efficiencies. Readers will discover that in Reshaping Intelligent Business and Industry: The book unpacks the two superpowers of innovation, AI and IoT, and explains how they connect to better communicate and exchange information about online activities; How the center and the network's edge generate predictive analytics or anomaly alerts; The meaning of AI at the edge and IoT networks. How bandwidth is reduced and privacy and security are enhanced; How AI applications increase operating efficiency, spawn new products and services, and enhance risk management; How AI and IoT create 'intelligent' devices and how new AI technology enables IoT to reach its full potential; Analyzes AIOT platforms and the handling of personal information for shared frameworks that remain sensitive to customers' privacy while effectively utilizing data. Audience This book will appeal to all business and organization leaders, entrepreneurs, policymakers, and economists, as well as scientists, engineers, and students working in artificial intelligence, software engineering, and information technology.
Artificial Intelligence Springer Nature
In recent years, the surge of blockchain technology has been rising due to is proven reliability in ensuring secure and effective transactions, even between untrusted parties. Its application is broad and covers public and private domains varying from traditional communication networks to more modern networks like the internet of things and the internet of energy crossing fog and edge computing, among others. As technology matures and its standard use cases are established, there is a need to gather recent research that can shed light on several aspects and facts on the use of blockchain technology in different fields of interest. Enabling Blockchain Technology for Secure Networking and Communications consolidates the recent research initiatives directed towards exploiting the advantages of blockchain technology for benefiting several areas of applications that vary from security and robustness to scalability and privacy-preserving and more. The chapters explore the current applications of blockchain for networking and communications, the future potentials of blockchain technology, and some not-yet-prospected areas of research and its application. This book is ideal for practitioners, stakeholders, researchers, academicians, and students interested in the concepts of blockchain technology and the potential and pitfalls of its application in different utilization domains.
Artificial Intelligence-based Smart Power Systems CRC Press
Blockchain is an emerging platform for developing decentralized applications and data storage, over and beyond its role as a

platform for cryptocurrencies. This reference text provides a comprehensive discussion on blockchain technology from research and application perspective. Discusses different approaches for building distributed applications (DAPPS). Provides detailed listing and discussion of blockchain technology applications in solving real life problems. Covers proof of work (PoW) based blockchain consensus, and proof of stake (PoS) based blockchain consensus. Discusses blockchain algorithms including practical byzantine fault tolerance (PBFT) and simplified byzantine fault tolerance (SBFT). It comprehensively covers important topics including blockchain consensus algorithms, Ethereum, Hyperledger, blockchain scalability, smart contracts with solidity, ERC20 standards, building DApp with Golang, building DApp using Hyperledger, building PoCs with Hyperledger fabric, blockchain as a server, blockchain security and privacy. The text will serve as a useful text for senior undergraduate and graduate students in interdisciplinary areas including electronics and communications engineering, electrical engineering, computer science, and information technology.

Regulation of Cryptocurrencies and Blockchain Technologies John Wiley & Sons

About the book : Are you curious about the world of blockchain and cryptocurrencies? Look no further! This comprehensive book delves into the history and evolution of blockchain technology, as well as the different types of cryptocurrencies and consensus mechanisms that exist today. From exploring smart contract platforms like Ethereum to diving into decentralized finance and security tokens, you'll gain a deep understanding of the exciting world of blockchain and its endless possibilities. The book also covers real-world applications of blockchain in fields such as supply chain management, cybersecurity, gaming, and the music industry. And don't miss out on the fascinating discussion of the metaverse and its potential to revolutionize the way we live, work, and play in a virtual world. Get ready to be inspired and amazed by the future of decentralized technology!"

Blockchain Technology for Data Privacy Management John Wiley & Sons

This volume explores the diverse applications of advanced tools and technologies of the emerging field of big data and their evidential value in business. It examines the role of analytics tools and methods of using big data in strengthening businesses to meet today’s information challenges and shows how businesses can adapt big data for effective businesses practices. This volume shows how big data and the use of data analytics is being effectively adopted more frequently, especially in companies that are looking for new methods to develop smarter capabilities and tackle challenges in dynamic processes. Many illustrative case studies are presented that highlight how companies in every sector are now focusing on harnessing data to create a new way of doing business.

Sustainable Security Practices Using Blockchain, Quantum and Post-Quantum Technologies for Real Time Applications CRC Press

All of the topics discussed in this book – from sovereignty to cybercrime, and from drones to the identification of passengers & privacy – are profoundly affected by algorithms; so are air traffic services and aeronautical communications. All of these aviation-related aspects are addressed in a 75-year-old treaty called the Chicago Convention and its Annexes, which, as this book argues, needs to be reviewed with a focus on its relevance and applicability in connection with Moore’s Law, which posits that transistors in computer microchips double in speed, power and performance every two years, while the cost of computers is halved during the same period. Firstly, in terms of traditional territorial sovereignty, we have arrived at a point where there is a concept of data sovereignty and ownership that raises issues of privacy. Data transmission becomes ambivalent in terms of territorial sovereignty, and the Westphalian model may not be the perfect answer. Whether it be the manufacture of airplanes, the transfer of data on individuals, or the transmission of aeronautical and telecommunications information – all have to be carried out in accordance with the same fundamental principle: duty of care. Against the backdrop of the relevant provisions of the Chicago Convention and its Annexes, the detailed analysis presented here covers key areas such as: megatrends; AI and international law in the digital age; blockchain and aviation; drones; aviation and telecommunications; aviation and the Internet; cybersecurity; and digital identification of passengers & privacy. In turn, the book suggests how we can best manage this transition.

Emerging Developments and Technologies in Digital Government Springer Nature

The public and academic communities are currently very interested in blockchain technology. Its goal is to establish the framework for authentically trustworthy economic transactions. Typically, blockchain systems can perform financial transactions as well as verify that they adhere to programmable rules in form of "smart contracts." This enables parties to conduct & reliably regulate their transactions without the need for any third parties to be trusted. The value of Bitcoin can be compared to that of precious metals, according to some. Both have specific uses and are in limited supply. Gold and other precious metals are utilised in industrial applications, but the blockchain, the technology that underpins Bitcoin, has some uses in the financial services sector. Due to its digital heritage, Bitcoin might someday be used as a medium for retail transactions. The three key advantages of a blockchain are that it offers capabilities for authentication, transparency, and auditing. The popular cryptocurrency Bitcoin's underlying ledger, the blockchain, has significant ramifications for numerous businesses. The financial industry has seen a significant transformation as a result of Bitcoin and the blockchain. Additionally, it is a type of financial tool that might have a significant impact on how the world economy develops sustainably. This book concentrates on the development of blockchain technology and its significance.

Aviation in the Digital Age IGI Global

The purpose of this edited book is to provide the relevant technologies and case studies in a concise format that will simplify and streamline the processing of blockchain. The goal is for the contents of this book to change the way business transformations are conducting in economic and social systems. The book examines blockchain technology, the transaction attributes, and its footprint in various fields. It offers fundamentals and terminologies used in blockchain, architecture, and various consensus mechanisms that can be deployed in areas such as healthcare, smart cities, and supply chain management. The book provides a widespread knowledge into the deployment of security countermeasures that can be implemented for a blockchain network and enables the reader to consider the management of business processes and the implementation process in detail. The book highlights the challenges and provides various e-business case studies of security countermeasures. The book serves researchers and businesses by providing a thorough understanding of the transformation process using blockchain technology.

Blockchain Technologies and Applications for Digital Governance CRC Press
Artificial intelligence (AI) is taking an increasingly important role in our society. From cars, smartphones, airplanes, consumer applications, and even medical equipment, the impact of AI is changing the world around us. The ability of machines to demonstrate advanced cognitive skills in taking decisions, learn and perceive the environment, predict certain behavior, and process written or spoken languages, among other skills, makes this discipline of paramount importance in today's world. Although AI is changing the world for the better in many applications, it also comes with its challenges. This book encompasses many applications as well as new techniques, challenges, and opportunities in this fascinating area.
Industry Use Cases on Blockchain Technology Applications in IoT and the Financial Sector Springer Nature
The 21st century has been host to a number of information systems technologies in the areas of science, automotive, aviation and supply chain, among others. But perhaps one of its most disruptive is blockchain technology whose origin dates to only 2008, when an individual (or perhaps a group of individuals) using the pseudonym Satoshi Nakamoto published a white paper entitled Bitcoin: A peer-to-peer electronic cash system in an attempt to address the threat of “double- spending” in digital currency. Today, many top-notch global organizations are already using or planning to use blockchain technology as a secure, robust and cutting-edge technology to better serve customers. The list includes such well-known corporate entities as JP Morgan, Royal Bank of Canada, Bank of America, IBM and Walmart. The tamper-proof attributes of blockchain, leading to immutable sets of transaction records, represent a higher quality of evidence for internal and external auditors. Blockchain technology will impact the performance of the audit engagement due to its attributes, as the technology can seamlessly complement traditional auditing techniques. Furthermore, various fraud schemes related to financial reporting, such as the recording of fictitious revenues, could be avoided or at least greatly mitigated. Frauds related to missing, duplicated and identical invoices can also be greatly curtailed. As a result, the advent of blockchain will enable auditors to reduce substantive testing as inherent and control audit risks will be reduced thereby greatly improving an audit’s detection risk. As such, the continuing use and popularity of blockchain will mean that auditors and information systems security professionals will need to deepen their knowledge of this disruptive technology. If you are looking for a comprehensive study and reference source on blockchain technology, look no further than The Auditor’s Guide to Blockchain Technology: Architecture, Use Cases, Security and Assurance. This title is a must read for all security and assurance professionals and students looking to become more proficient at auditing this new and disruptive technology.
Agile Government: Emerging Perspectives In Public Management IGI Global
The governments of today are not able to transform and adapt to changes in the world around them, as demanded by their constituents. The nature of work, value of public goods, and the constant bombardment of crises are making the old bureaucratic structures obsolete.Agile Government is an emerging theme, that of government-wide reinvention for adaptiveness and responsiveness. It places the accountability, delivery, capture, design and creation of public value at the heart of the government. The concept of agile government is confused with terms like Agile Manifesto, agile governance, agility among others, and because of this, needs some unpacking.This book is a deep dive into this topic. It offers insights from the theoretical development of the topic of agile government, some lessons from government practices around the world, and ongoing academic and policy research. The project is spearheaded by the Mohammed Bin Rashid School of Government, which is the first teaching and research institution in the Arab world focusing on public policy and governance.
Decentralizing the Future CRC Press
This reference text provides the theoretical foundations, the emergence, and the application areas of Blockchain in an easy-to-understand manner that would be highly helpful for the researchers, academicians, and industry professionals to understand the disruptive potentials of Blockchain. It explains Blockchain concepts related to Industry 4.0, Smart Healthcare, and the Internet of Things (IoT) and explores Smart Contracts and Consensus algorithms. This book will serve as an ideal reference text for graduate students and academic researchers in electrical engineering, electronics and communication engineering, computer engineering, and information technology. This book • Discusses applications of blockchain technology in diverse sectors such as industry 4.0, education, finance, and supply chain. • Provides theoretical concepts, applications, and research advancements in the field of blockchain. • Covers industry 4.0 digitization platform and blockchain for data management in industry 4.0 in a comprehensive manner. • Emphasizes analysis and design of consensus algorithms, fault tolerance, and strategy to choose the correct consensus algorithm. • Introduces security issues in the industrial internet of things, internet of things, blockchain integration, and blockchain-based applications. The text presents in-depth coverage of theoretical concepts, applications and advances in the field of blockchain technology. This book will be an ideal reference for graduate students and academic researchers in diverse engineering fields such as electrical, electronics and communication, computer, and information technology.
Blockchain for Industry 4.0 CRC Press
This book is for anyone who wants to gain an understanding of Blockchain technology and its potential. The book is research-oriented and covers different verticals of Blockchain technology. It discusses the characteristics and features of Blockchain, includes techniques, challenges, and future trends, along with case studies for deeper understanding. Blockchain Technology: Exploring Opportunities, Challenges, and Applications covers the core concepts related to Blockchain technology starting from scratch. The algorithms, concepts, and application areas are discussed according to current market trends and industry needs. It presents different application areas of industry and academia and discusses the characteristics and features of this technology. It also explores the challenges and future trends and provides an understanding of new opportunities. This book is for anyone at the beginner to intermediate level that wants to learn about the core concepts related to Blockchain technology.
Convergence of Blockchain Technology and E-Business Academic Guru Publishing House
Even though blockchain technology was originally created as a ledger system for bitcoin to operate on, using it for areas other than cryptocurrency has become increasingly popular as of late. The transparency and security provided by blockchain technology is challenging innovation in a variety of businesses and is being

applied in fields that include accounting and finance, supply chain management, and education. With the ability to perform such tasks as tracking fraud and securing the distribution of medical records, this technology is key to the advancement of many industries. The Research Anthology on Blockchain Technology in Business, Healthcare, Education, and Government is a vital reference source that examines the latest scholarly material on trends, techniques, and uses of blockchain technology applications in a variety of industries, and how this technology can further transparency and security. Highlighting a range of topics such as cryptography, smart contracts, and decentralized blockchain, this multi-volume book is ideally designed for academics, researchers, industry leaders, managers, healthcare professionals, IT consultants, engineers, programmers, practitioners, government officials, policymakers, and students.

Blockchain For Dummies John Wiley & Sons

The emergence of convertible decentralized virtual currency schemes confronts tax authorities with unprecedented questions, among them are the status of virtual currency for tax purposes, which virtual transactions may bene?t from a VAT exemption and determining the most optimal method of tax regulation. This ?rst book-length treatment of this major current topic provides an in-depth and comprehensive analysis of the tax implications of virtual currency transactions. Seeking to ascertain whether virtual currency requires additional regulation or whether the law as it stands is adequate to administer its usage, the analysis not only thoroughly explains the nature of the underlying blockchain technology and its regulatory and judicial treatment so far but also identi?es best practices for virtual currency transactions and makes recommendations for the improvement of the existing tax systems. Among the aspects of the phenomenon covered are the following: – particular aspects of virtual currency use such as smart contracts and initial coin offerings; – comparative review of income tax consequences of virtual currency transactions in Germany, the Netherlands, the United Kingdom and the United States; – VAT/sales tax treatment of transactions involving virtual currency in the European Union and the United States; – methodology for creating an effective regulatory framework for the taxation of virtual currency; and – the future of blockchain. The book has three parts and an annex that describes tax regulations, administrative rulings and court decisions concerning virtual currency in twenty countries. In its in-depth analysis of tax implications of virtual currency transactions in major economies, detailed overview of recent tax developments that affect virtual currency transactions and evaluation of tax policies related to virtual currencies, this book has no peers. Especially in view of the OECD's examination of the tax challenges presented by the digital economy as part of its base erosion and pro?t shifting (BEPS) project, this clear and comprehensive explanation of the functioning of virtual currency and blockchain technology will be welcomed by tax administration of?cials and by persons mining and transacting in virtual currencies needing to know their compliance obligations.

Transforming Scholarly Publishing With Blockchain Technologies and AI IGI Global

Blockchain technology presents numerous advantages that include increased transparency, reduced transaction costs, faster transaction settlement, automation of information, increased traceability, improved customer experience, improved digital identity, better cyber security, and user-controlled networks. These potential applications are widespread and diverse including funds transfer, smart contracts, e-voting, efficient supply chain, and more in nearly every sector of society including finance, healthcare, law, trade, real estate, and other important areas. However, there are challenges and limitations that exist such as high energy consumption, limited scalability, complexity, security, network size, lack of regulations, and other critical issues. Nevertheless, blockchain is an attractive technology and has much to offer to the modern-day industry. Industry Use Cases on Blockchain Technology Applications in IoT and the Financial Sector investigates blockchain technology's adoption and effectiveness in multiple industries and for the internet of things (IoT)-based applications, presents use cases from industrial and financial sectors as well as from other transaction-based services, and fills a gap in this respect by extending the existing body of knowledge in the suggested field. While highlighting topics such as cybersecurity, use cases, and models for blockchain implementation, this book is ideal for business managers, financial accountants, practitioners, researchers, academicians, and students interested in blockchain technology's role and implementation in IoT and the financial sector.

The Report: Dubai 2018 BoD – Books on Demand

Focusing on different tools, platforms, and techniques, Blockchain and the Smart City: Infrastructure and Implementation uses case studies from around the world to examine blockchain deployment in diverse smart city applications. The book begins by examining the fundamental theories and concepts of blockchain. It looks at key smart cities' domains such as banking, insurance, healthcare, and supply chain management. It examines Using case studies for each domain, the book looks at payment mechanisms, fog/edge computing, green computing, and algorithms and consensus mechanisms for smart cities implementation. It looks at tools such as Hyperledger, Etherium, Corda, IBM Blockchain, Hydrachain, as well as policies and regulatory standards, applications, solutions, and methodologies. While exploring future blockchain ecosystems for smart and sustainable city life, the book concludes with the research challenges and opportunities academics, researchers, and companies in implementing blockchain applications. - Independently organized chapters for greater readability, adaptability, and flexibility - Examines numerous issues from multiple perspectives and academic and industry experts - Explores both advances and challenges of cutting-edge technologies - Coverage of security, trust, and privacy issues in smart cities

• Harry Potter Paperback Box Set (books 1-7)
• Blowback: A Warning To Save Democracy From The Next Trump
• Baking Yesteryear: The Best Recipes From The 1900s To The 1980s By B. Dylan Hollis
• Rich Dad Poor Dad: What The Rich Teach Their Kids About Money That The Poor And Middle Class Do Not!
• The Inmate: A Gripping Psychological Thriller By Freida Mcfadden
• I Will Teach You To Be Rich: No Guilt. No Excuses. Just A 6-week Program That Works (second Edition)