
The Swirls Hashgraph Consensus Algorithm Fair Fast

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Cryptofinance and Mechanisms of Exchange
Vehicular Ad-hoc Networks for Smart Cities
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Wireless and Satellite Systems
Dynamic Logic. New Trends and Applications
Business Transformation through Blockchain
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Applications And Trends In Fintech I: Governance, Ai, And Blockchain Design Thinking
Blockchain and Trustworthy Systems
On the Move to Meaningful Internet Systems. OTM 2018 Conferences
The Semantic Web
Handbook of Research on Blockchain Technology
Wireless Algorithms, Systems, and Applications
Enabling Blockchain Technology for Secure Networking and Communications
Information Security and Cryptology
Advances in Cryptology - CRYPTO 2020
Network and System Security
Critical Infrastructure Protection XIII
Fusing Big Data, Blockchain and Cryptocurrency
Rethinking the Regulation of Cryptoassets

Advances in Artificial Intelligence and Security
Future Access Enablers for Ubiquitous and Intelligent Infrastructures

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LANE JAYLEN

Edge Computing and IoT: Systems, Management and Security
Springer Nature

Digital Transformation in Industry 4.0/5.0 requires the effective and efficient application of digitalization technologies in the area of production systems. This book elaborates on concepts, techniques, and technologies from computer science in the context of Industry 4.0/5.0 and demonstrates their possible applications. Thus, the book serves as an orientation but also as a reference work for experts in the field of Industry 4.0/5.0 to successfully advance digitization in their companies.

Cryptofinance and Mechanisms of Exchange Springer Nature

This book constitutes the proceedings of the Third International Workshop on Dynamic Logic, DaLí 2019, held in Prague, Czech Republic in October 2020. Due to COVID-19 the workshop has been held online. The 17 full papers presented together with 6 short papers were carefully reviewed and selected from 31 submissions. The theoretical relevance and practical potential of dynamic logic is a topic of interest in a number of scientific venues, from wide-scope software engineering conferences to modal logic specific events. The DaLí 2020 workshop is exclusively dedicated to Dynamic logic and aims at filling this gap and creating a heterogeneous community of colleagues, from Academia to Industry, from Mathematics to Computer Science.

Vehicular Ad-hoc Networks for Smart Cities Springer Nature

The information infrastructure – comprising computers, embedded devices, networks and software systems – is vital to operations in every sector: chemicals, commercial facilities, communications, critical manufacturing, dams, defense industrial base, emergency services, energy, financial services, food and agriculture, government facilities, healthcare and public health, information technology, nuclear reactors, materials and waste, transportation systems, and water and wastewater systems. Global business and industry, governments, indeed society itself, cannot function if major components of the critical information

infrastructure are degraded, disabled or destroyed. Critical Infrastructure Protection XIII describes original research results and innovative applications in the interdisciplinary field of critical infrastructure protection. Also, it highlights the importance of weaving science, technology and policy in crafting sophisticated, yet practical, solutions that will help secure information, computer and network assets in the various critical infrastructure sectors. Areas of coverage include: Themes and Issues; Infrastructure Protection; Vehicle Infrastructure Security; Telecommunications Infrastructure Security; Cyber-Physical Systems Security; and Industrial Control Systems Security. This book is the thirteenth volume in the annual series produced by the International Federation for Information Processing (IFIP) Working Group 11.10 on Critical Infrastructure Protection, an international community of scientists, engineers, practitioners and policy makers dedicated to advancing research, development and implementation efforts focused on infrastructure protection. The book contains a selection of sixteen edited papers from the Thirteenth Annual IFIP WG 11.10 International Conference on Critical Infrastructure Protection, held at SRI International, Arlington, Virginia, USA in the spring of 2019. Critical Infrastructure Protection XIII is an important resource for researchers, faculty members and graduate students, as well as for policy makers, practitioners and other individuals with interests in homeland security.

Advances in Information and Communication Springer

Handbook of Research on Blockchain Technology presents the latest information on the adaptation and implementation of Blockchain technologies in real world business, scientific, healthcare and biomedical applications. The book's editors present the rapid advancements in existing business models by applying Blockchain techniques. Novel architectural solutions in the deployment of Blockchain comprise the core aspects of this book. Several use cases with IoT, biomedical engineering, and smart cities are also incorporated. As Blockchain is a relatively new technology that exploits decentralized networks and is used in many sectors for reliable, cost-effective and rapid business transactions, this book is a welcomed addition on existing knowledge. Financial services, retail, insurance, logistics, supply

chain, public sectors and biomedical industries are now investing in Blockchain research and technologies for their business growth. Blockchain prevents double spending in financial transactions without the need of a trusted authority or central server. It is a decentralized ledger platform that facilitates verifiable transactions between parties in a secure and smart way. - Presents the evolution of blockchain, from fundamental theories, to present forms - Explains the concepts of blockchain related to cloud/edge computing, smart healthcare, smart cities and Internet of Things (IoT) - Provides complete coverage of the various tools, platforms and techniques used in blockchain - Explores smart contract tools and consensus algorithms - Covers a variety of applications with real world case studies in areas such as biomedical engineering, supply chain management, and tracking of goods and delivery

Distributed Computing to Blockchain Elsevier

The 3-volume set CCIS 1422, CCIS 1423 and CCIS 1424

constitutes the refereed proceedings of the 7th International Conference on Artificial Intelligence and Security, ICAIS 2021, which was held in Dublin, Ireland, in July 2021. The total of 131 full papers and 52 short papers presented in this 3-volume proceedings was carefully reviewed and selected from 1013 submissions. The papers were organized in topical sections as follows: Part I: artificial intelligence; Part II: artificial intelligence; big data; cloud computing and security; Part III: cloud computing and security; encryption and cybersecurity; information hiding; IoT security.

Artificial Intelligence in Intelligent Systems Springer Nature

This book provides the state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of the future research. The fifth 2020 Future Technologies Conference was organized virtually and received a total of 590 submissions from academic pioneering researchers, scientists, industrial engineers, and students from all over the world. The submitted papers covered a wide range of important topics including but not limited to computing, electronics, artificial intelligence, robotics, security and communications and their applications to the real world. After a double-blind peer review

process, 210 submissions (including 6 poster papers) have been selected to be included in these proceedings. One of the meaningful and valuable dimensions of this conference is the way it brings together a large group of technology geniuses in one venue to not only present breakthrough research in future technologies, but also to promote discussions and debate of relevant issues, challenges, opportunities and research findings. The authors hope that readers find the book interesting, exciting and inspiring.

Blockchain And Smart Contracts: Design Thinking And Programming For Fintech Springer Nature

Conference on Cryptologic Research, CRYPTO 2020, which was held during August 17-21, 2020. Crypto has traditionally been held at UCSB every year, but due to the COVID-19 pandemic it will be an online event in 2020. The 85 papers presented in the proceedings were carefully reviewed and selected from a total of 371 submissions. They were organized in topical sections as follows: Part I: Security Models; Symmetric and Real World Cryptography; Hardware Security and Leakage Resilience; Outsourced encryption; Constructions. Part II: Public Key Cryptanalysis; Lattice Algorithms and Cryptanalysis; Lattice-based and Post Quantum Cryptography; Multi-Party Computation. Part III: Multi-Party Computation; Secret Sharing; Cryptanalysis; Delay functions; Zero Knowledge.

Building Decentralized Trust Springer Nature

Besides love, money and health are the most valuable human yearnings. Therefore, blockchain technology is paramount: a new foundation of confidence for human valuable transactions. Like information sharing was catalyzed on the pre-blockchain internet, transactions are now triggered on the new internet of value. In this second digital inflection point, economic media encompasses value beside information, and individuals can privately transact digital assets for the first time in history. Decentralized but structured organizations running on blockchain networks reduce transaction costs and are particularly competitive insofar as they guarantee data authenticity, confidentiality, and integrity, providing functional autonomy with disintermediation and smart contracts. Everything changed after user data were made public on the internet and privately traded by big tech companies, and nothing will be the same once that data is made private on the internet and publicly transacted by their rightful owners. While

the internet of information reshaped the world, the internet of value will reform it, and everything will depend politically on this being done freely. Political and Economic Implications of Blockchain Technology in Business and Healthcare provides relevant theoretical frameworks on the civilizational impact of blockchain technology, which redesigns human interactions concerning value transactions. It gives ideas, concepts, and instruments to advance the knowledge on cryptoeconomics and decentralized governance in the new distributed trust paradigm. The chapters explore the ethical repercussions and profound political-economic consequences to society, providing insights into business applications focusing on the healthcare sector. In a blockchain era affected by the post-COVID-19 new normal, which mixes politics, economics, and health, this book is essential for students and researchers in social and life sciences; professionals and policymakers working in the fields of public and business administration; and healthcare workers and researchers, academicians, and students interested in blockchain technology and its political and economic impacts in the industry and society.

NASA Formal Methods Springer Nature

This book constitutes the post-conference proceedings of the 15th International Conference on Information Security and Cryptology, Inscrypt 2019, held in Nanjing, China, in December 2019. The 23 full papers presented together with 8 short papers and 2 invited papers were carefully reviewed and selected from 94 submissions. The papers cover topics in the fields of post-quantum cryptology; AI security; systems security; side channel attacks; identity-based cryptography; signatures; cryptanalysis; authentication; and mathematical foundations.

ICCWS 2019 14th International Conference on Cyber Warfare and Security Springer Nature

The second volume of this edited collection offers a number of contributions from leading scholars investigating Blockchain and its implications for business. Focusing on the transformation of the overall value chain, the sections cover the foundations of Blockchain and its sustainability, social and legal applications. It features a variety of use cases, from tourism to healthcare. Using a number of theoretical and methodological approaches, this innovative publication aims to further the cause of this groundbreaking technology and its use within information technology, supply chain and wider business management research.

Financial Cryptography and Data Security Springer Nature

In recent years, the surge of blockchain technology has been rising due to its 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.

Proceedings of the Future Technologies Conference (FTC) 2020, Volume 2 Springer Nature

This book constitutes the refereed post-conference proceedings of the 6th International Conference on Future Access Enablers for Ubiquitous and Intelligent Infrastructures, FABULOUS 2022, held in May 2022. Due to COVID-19 pandemic the conference was held virtually. The 18 revised full papers were carefully reviewed and selected from 70 submissions. The papers are organized in thematic sessions on: Future access networks; Internet of Things and smart city/smart environment applications; Information and communications technology; Sustainable communications and computing infrastructures.

Algorithms and Architectures for Parallel Processing Springer Nature

This book provides an essential compilation of relevant and cutting edge academic and industry work on key Blockchain topics. This book concentrates on a wide range of advances

related to Blockchains which include, among others, Blockchain principles, architecture and concepts with emphasis on key and innovative theories, methodologies, schemes and technologies of Blockchain, Blockchain platforms and architecture, Blockchain protocols, sensors and devices for Blockchain, Blockchain foundations, and reliability analysis of Blockchain-based systems. Further, it provides a glimpse of future directions where cybersecurity applications are headed. The book is a rich collection of carefully selected and reviewed manuscripts written by diverse cybersecurity application experts in the listed fields and edited by prominent cybersecurity applications researchers and specialists.

Second International Conference on Image Processing and Capsule Networks Academic Press

This three-volume set LNCS 12452, 12453, and 12454 constitutes the proceedings of the 20th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP 2020, in New York City, NY, USA, in October 2020. The total of 142 full papers and 5 short papers included in this proceedings volumes was carefully reviewed and selected from 495 submissions. ICA3PP is covering the many dimensions of parallel algorithms and architectures, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated in every aspects of daily life, the power of computing system has become increasingly critical. This conference provides a forum for academics and practitioners from countries around the world to exchange ideas for improving the efficiency, performance, reliability, security and interoperability of computing systems and applications. ICA3PP 2020 focus on two broad areas of parallel and distributed computing, i.e. architectures, algorithms and networks, and systems and applications.

Political and Economic Implications of Blockchain Technology in Business and Healthcare Springer Nature

This book aims to provide an international forum for scholarly researchers, practitioners and academic communities to explore the role of information and communication technologies and its applications in technical and scholarly development. The conference attracted a total of 464 submissions, of which 152 submissions (including 4 poster papers) have been selected after

a double-blind review process. Academic pioneering researchers, scientists, industrial engineers and students will find this series useful to gain insight into the current research and next-generation information science and communication technologies. This book discusses the aspects of communication, data science, ambient intelligence, networking, computing, security and Internet of things, from classical to intelligent scope. The authors hope that readers find the volume interesting and valuable; it gathers chapters addressing state-of-the-art intelligent methods and techniques for solving real-world problems along with a vision of the future research.

Digital Transformation Springer Nature

This two-volume set LNCS 357-358 constitutes the post-conference proceedings of the 11th EAI International Conference on Wireless and Satellite Services, WiSATS 2020, held in Nanjing, China, in September 2020. The 91 full papers and workshop papers were carefully reviewed and selected from 200 submissions. Part I - LNCS 357 - details original research and results of wireless and satellite technology for a smarter global communication architecture. The theme of WiSATS 2020 is "Intelligent Wireless and Satellite Communications for Beyond 5G". Part II - LNCS 358 - presents 6 workshop papers: High Speed Space Communication and Space Information Networks (HSSCSIN); Integrated Space and Onboard Networks (ISON); Intelligent Satellite Operations, Managements, and Applications (ISOMA); Intelligent Satellites in Future Space Networked System (ISFSNS); Satellite Communications, Networking and Applications (SCNA); Satellite Internet of Things; Trusted Data Sharing, Secure Communication (SIOTDSSC).

Principles and Practice of Blockchains World Scientific

This two-volume set of LNCS 12489 and 12490 constitutes the thoroughly refereed conference proceedings of the 21th International Conference on Intelligent Data Engineering and Automated Learning, IDEAL 2020, held in Guimaraes, Portugal, in November 2020.* The 93 papers presented were carefully reviewed and selected from 134 submissions. These papers provided a timely sample of the latest advances in data engineering and machine learning, from methodologies, frameworks, and algorithms to applications. The core themes of IDEAL 2020 include big data challenges, machine learning, data mining, information retrieval and management, bio-/neuro-

informatics, bio-inspired models, agents and hybrid intelligent systems, real-world applications of intelligent techniques and AI. * The conference was held virtually due to the COVID-19 pandemic.

Policy-Based Autonomic Data Governance IGI Global

Explore foundational concepts in blockchain theory with an emphasis on recent advances in theory and practice In *Wireless Blockchain: Principles, Technologies and Applications*, accomplished researchers and editors Bin Cao, Lei Zhang, Mugen Peng, and Muhammad Ali Imran deliver a robust and accessible exploration of recent developments in the theory and practice of blockchain technology, systems, and potential application in a variety of industrial sectors, including manufacturing, entertainment, public safety, telecommunications, public transport, healthcare, financial services, automotive, and energy utilities. The book presents the concept of wireless blockchain networks with different network topologies and communication protocols for various commonly used blockchain applications. You'll discover how these variations and how communication networks affect blockchain consensus performance, including scalability, throughput, latency, and security levels. You'll learn the state-of-the-art in blockchain technology and find insights on how blockchain runs and co-works with existing systems, including 5G, and how blockchain runs as a service to support all vertical sectors efficiently and effectively. Readers will also benefit from the inclusion of: A thorough introduction to the Byzantine Generals problem, the fundamental theory of distributed system security and the foundation of blockchain technology An overview of advances in blockchain systems, their history, and likely future trends Practical discussions of Proof-of-Work systems as well as various Proof-of-"X" alternatives, including Proof-of-Stake, Proof-of-Importance, and Proof-of-Authority A concise examination of smart contracts, including trusted transactions, smart contract functions, design processes, and related applications in 5G/B5G A treatment of the theoretical relationship between communication networks and blockchain Perfect for electrical engineers, industry professionals, and students and researchers in electrical engineering, computer science, and mathematics, *Wireless Blockchain: Principles, Technologies and Applications* will also earn a place in the libraries of communication and computer system stakeholders, regulators, legislators, and research agencies.

Provable and Practical Security Springer Nature

This thought-provoking book challenges the way we think about regulating cryptoassets. Bringing a timely new perspective, Syren Johnstone critiques the application of a financial regulation narrative to cryptoassets, questioning the assumptions on which it is based and whether regulations developed in the 20th century remain fit to apply to a technology emerging in the 21st.

Blockchain Technology and Application Springer Nature

This book constitutes the refereed post-conference proceedings of the Third International Conference on Edge Computing and IoT, ICECI 2022, held in December 13-14, 2022 in Changsha, China. Due to COVID-19 pandemic the conference was held virtually. The explosion of the big data generated by ubiquitous edge devices

motivates the emergence of applying machine learning systems for edge computing and Internet of Things (IoT) services. Machine learning techniques are delivering a promising solution to the industry for building IoT systems and to make innovation at a rapid pace. The 22 full papers of ICECI 2022 were selected from 76 submissions and present results and ideas in the area of edge computing and IoT.

Best Sellers - Books :

- [A Court Of Frost And Starlight \(a Court Of Thorns And Roses, 4\)](#)
- [Can't Hurt Me: Master Your Mind And Defy The Odds](#)
- [Little Blue Truck's Valentine](#)
- [Stop Overthinking: 23 Techniques To Relieve Stress, Stop Negative Spirals, Declutter Your Mind, And Focus On The Present \(the Path To Calm\) By Nick Trenton](#)
- [If Animals Kissed Good Night](#)
- [Verity](#)
- [Things We Never Got Over \(knockemout\)](#)
- [The Courage To Be Free: Florida's Blueprint For America's Revival](#)
- [Mad Honey: A Novel](#)
- [The Summer I Turned Pretty \(summer I Turned Pretty, The\)](#)