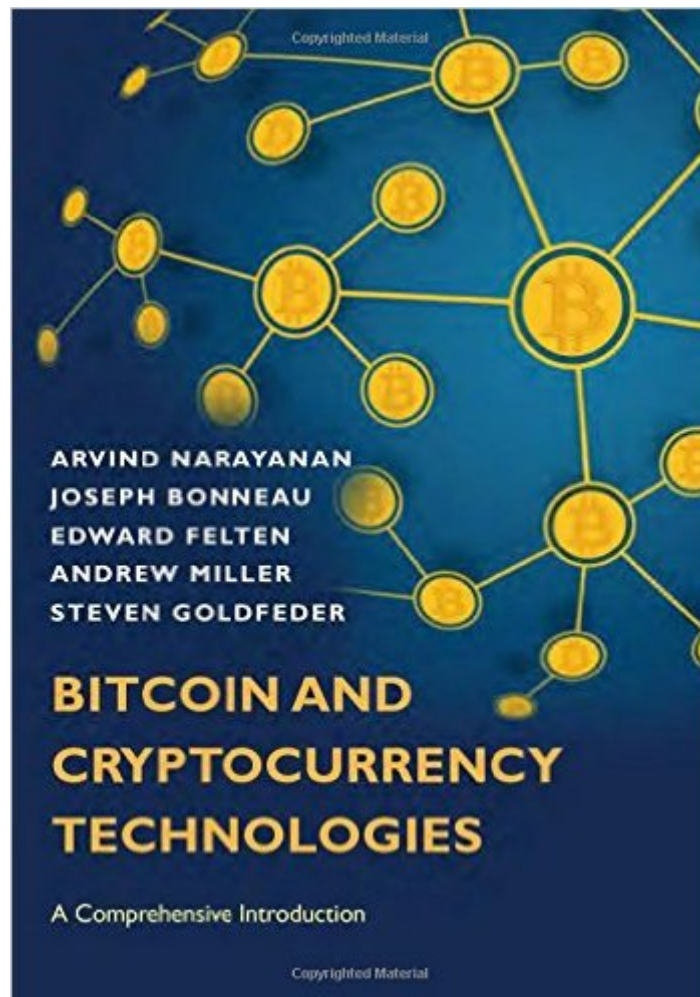# The book was found

Bitcoin And Cryptocurrency Technologies: A Comprehensive Introduction

Synopsis

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)

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Customer Reviews

Bitcoin is a topic that evokes a sort of whodunit to many people. Created by an international man of mystery named Satoshi Nakamoto, it leads many to think this is a protocol that lends itself to a John

Grisham novel. Many even think Bitcoin is a government conspiracy. But none of that could be further from the truth.As in introduction, Bitcoin is a digital currency and payment system created by a person named Satoshi Nakamoto. It was sent out as a proof of concept in 2008 and the open source code was released the following year. It uses a peer-to-peer system for transactions without the need any intermediate servers. The force behind Bitcoin is its ledger system, which is done via a blockchain. More about that later.In Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction, authors and noted Bitcoin experts Arvind Narayanan, Joseph Bonneau, Edward Felten, Andrew Miller and Steven Goldfeder have written a highly technical resource that is perhaps the best Bitcoin reference in print to date.Bitcoin is gaining serious momentum, but it is still not at a point where it is a ubiquitous payment system. Case in point that the book is available on eBay, Walmart, , publisherâ ™s web site and more. But not of them will accept Bitcoin as a payment method.In the following 11 chapters, the authors cover every core aspect of Bitcoin:1. Introduction to Cryptography and Cryptocurrencies2. How Bitcoin Achieves Decentralization3. Mechanics of Bitcoin4. How to Store and Use Bitcoins5. Bitcoin Mining6. Bitcoin and Anonymity7. Community, Politics, and Regulation8. Alternative Mining Puzzles9. Bitcoin as a Platform10. Altcoins and the Cryptocurrency Ecosystem11.

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