

First Edition

# ETHEREUM. THE DOOR OF TRASPARENCY



Written by Dario Scattarelli

"Initially, I thought that Ethereum was a thing that would be used for people to write simple financial scripts. As it turns out, people are writing stuff like Augur on top of it."



Vitalik Buterin

Dario Scattarelli

## Ethereum .: The Door of trasparenza



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what you would learn in this book: 2.8.1. Blockchain technology overview 3. The Ethereum blockchain 4. Smart contracts in Ethereum 5. Understanding the concept of "dapps" based on the Ethereum system 6. the use of its computational power through a unit of accounts, called Ether, which acts as a cryptocurrency but also to support the platform 7. 11. History of Ethereum 12. Consensus algorithms: Proof work vs. Proof stake 13. Ethereum Common (ETC) 14. Decentralized applications in applications The function of Ether in Smart Contracts 15. Ethereum Enterprise Alliance (EEA) 16. that allows to execute applications called "17. The Future of Ethereum and blockchain technology Vitalik Buterin is the founder of Ethereum, the blockchain technology regarded as rival bitcoin, despite the fact that the two have grown to be quite different. A Russian-born programmer who grew up in Canada where he currently resides, Vitalik Buterin gained the 2014 World Technology Award for Ethereum's co-creation and invention. Among Ethereum's co-founders, Dr. Gavin Wood, says that he's still not sure what Ethereum is. Heading back to what today Ethereum will, we can say that it's a blockchain technology, so it is a decentralized system of the Web 3. It gets the gift of ubiquity because it is just about everywhere there can be Internet. But surely it is a 'computer' that 'does not exist' physically, nonetheless it is: the only big computer for your globe, forever, that can not be wrong, can't be stopped, can't be censored. 18. problems of Ethereum smart contracts that digitizes totally in a safe, dependable, fast, automated way, low priced, the conclusion and administration of the very most varied types of agreements and many other operations: from financial transactions to electoral systems, registration of domain names, crowdfunding platforms, intellectual property, insurance, real estate, etc. state. The contracts of Ethereum 19. The Ethereum virtual machine (EVM) 20. Ethereum is certainly therefore not really a network for the exchange of monetary value (like bitcoin) but a network to perform contracts.



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