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Call for Book Chapters

Book Title : Decoding Bitcoin: Architecting the Future of Digital Currency

The book **Decoding Bitcoin: Architecting the Future of Digital Currency** invites contributions exploring Bitcoin's foundations, technical architecture, cryptography, network security, and emerging blockchain innovations. Covering both beginner-friendly introductions and advanced development topics, it aims to demystify Bitcoin's role in finance, technology, and society. **With no publishing fees for authors**, this volume offers academics, developers, and industry professionals a platform to share expertise and shape understanding of the world's leading digital currency.

Important Dates:

Authors Agreement to Write Chapter(s)*	30 August 2025
Submission of Full Chapters	30 Sep 2025
Acceptance/ Review Comments Notification	15 Oct 2025
Final Chapter Submission with copyright transfer agreement	30 October
Proposed Date of Publication	30 Dec 2025
APC for Chapter(s)	(No Cost to Authors) All cost will be borne by Phrareon Publishers

Please sign agreement or email consent **EARLY** to write particular chapter(s) to phrareonpublishers@gmail.com so as the chapter(s) could be assigned to you.



Authors may select any chapter(s) from the list below or may suggest their own.

Part I – Foundations of Bitcoin

1. Bitcoin in Context

(The Birth of Decentralized Money; The Philosophy Behind Bitcoin; Bitcoin vs. Traditional Finance)

2. Why Bitcoin Matters

(Use Cases in the Global Economy; Bitcoin's Role in Financial Inclusion; Myths, Misconceptions, and Realities)

3. Getting Started

(Choosing and Setting Up Your Wallet; Receiving and Sending Bitcoin Transactions; Security Basics for Beginners)

Part II – Under the Hood

4. The Bitcoin Ledger

(Transactions, Inputs, Outputs, and UTXOs; Blockchain as a Distributed Database; Ownership and Consensus)

5. Mining and Proof of Work

(How Mining Secures the Network; Block Rewards, Difficulty Adjustment, and Halving; Miner Incentives and Pooling)

6. Anatomy of a Block

(Block Structure and Headers; Merkle Trees and the Genesis Block; Testnet, Regtest, and Development Networks)



Part III – Development and Cryptography

7. Bitcoin Core for Developers

(Installing & Running a Full Node; Bitcoin CLI and JSON-RPC Interface; Exploring Transactions, Blocks, and the Mempool)

8. Cryptography and Key Management

(Public/Private Keys and Elliptic Curve Cryptography (ECC); Wallet Types: HD (BIP-32/39/44), Hardware, Paper; Address Formats: P2PKH, P2SH, Bech32, Bech32m; Secure Key Storage and Recovery)

9. Scripting and Smart Logic

(Bitcoin Script Language Basics; Multisig, Timelocks, and Conditional Spending; SegWit Mechanics and Soft Forks; Building and Testing Custom Scripts)

Part IV – Advanced Networking & Security

10. The Bitcoin Network

(Peer-to-Peer Architecture; Node Types and Network Discovery; Privacy Tools: Tor, SPV, and Bloom Filters)

11. Security Architecture

(Threat Models and Risk Analysis; Multi-Signature Governance; Cold Storage, Hardware Wallets, and Recovery Strategies)



Part V – Beyond Bitcoin

12. Alternative Chains and Technologies

(Altcoins: Ethereum, Litecoin, Monero, and More; Sidechains, Colored Coins, and Tokenization; Non-Currency Blockchain Applications)

13. Scaling Solutions

(The Bitcoin Scalability Problem; Lightning Network: Channels, Routing, and Privacy; Other Layer-2 Approaches and Future Trends)

Submission Guidelines:

Academic scientists, researchers, and industry professionals are invited to contribute chapters for this book in the above thematic areas. All submissions must be original, unpublished, and should not be under review elsewhere. Each **chapter should have 15–20 pages with 5-7 figures or tables with 12 Times New Roman Font and 1.5 line spacing as per standard formatting** of Phrareon Publishers guidelines.

Only electronic submissions in DOC/PDF format will be considered.

All chapter submissions should be sent via email to:

phrareonpublishers@gmail.com

Please note the timelines carefully. Phrareon believes to complete the publishing on time or before.