Record Nr. UNINA9910637719903321 Financial Technologies and Defi: Financial technologies and DeFi: a **Titolo** revisit to the digital finance revolution Pubbl/distr/stampa Cham, Switzerland: ,: Springer, , [2023] ©2023 **ISBN** 9783031179983 9783031179976 Descrizione fisica 1 online resource (150 pages) Collana Financial innovation and technology Disciplina 332 Soggetti Financial services industry - Data processing Financial services industry - Technological innovations Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Intro -- Acknowledgements -- Executive Summary -- Goals -- Book Nota di contenuto Organization -- Contents -- About the Editor -- Part I: Financial Technologies-Theory and Practice -- 1: Metaverse-The Immersive 3D Virtual World's Innovation Diffusion in the Financial Sector -- 1 Introduction -- 2 Metaverse: State of the Art -- 3 Virtual Goods and Digital Assets -- 4 The 3D Virtual Economy -- 5 Monetary Base in the Metaverse -- 5.1 Conventional Cryptocurrencies and Native Tokens --5.2 Stablecoins -- 5.3 Central Bank Digital Currencies -- 5.4 Fiat Currency -- 6 Seamless Payment and Velocity of Money in Metaverse --7 Defi and Traditional Finance Elements in the Metaverse -- 7.1 Metaverse Banking: Skepticism -- 7.2 Metaverse Banking Use Cases: Early-Stage Adoption -- 8 Metaverse Is Around the Corner -- What Are the Key Drivers? -- 9 Metaverse Finance: Opportunities -- 10 Metaverse Finance: Challenges -- 11 Concluding Remarks -- 2: Fintech: Emerging Trends and the Future of Finance -- 1 Introduction -- 2 Fintech -- 3 Fintech Developments -- 3.1 Payment Tech and Currency -- 3.2 Open Banking -- 3.3 Peer-to-Peer Lending -- 3.4 Fintech Companies and Financial Institutions: Collaboration, Merger,

and Acquisition -- 3.5 Investment Management and Robo-Advising -- 3.6 Fintech Developments and Innovation Diffusion -- 4 Fintech Components -- 5 Technologies in Finance -- 6 Fintech and Market

Structure -- 7 Fintech Challenges -- 8 Future of Fintech -- 9 Conclusion -- 3: Follow the Money: Back to the Basics -- 1 Overview: FinTech Investment Under the Global Pandemic -- 2 Related Works -- 3 Trending: From Payments, Embedded Finance, to Public-Private Artificial Intelligence -- 4 Matching and Focusing: Positioning with Resources (Payments, InsurTech, RegTech, WealthTech, Blockchain and Cryptocurrency, ... -- 5 Opening and Cooperating: Message from ACPR/NYDFS, Marquee, and Aladdin. 6 Risk Controlling: Regulatory Sandbox (GFIN/DEPA) and Standards (ITU, ISO) -- 7 Forward-Thinking: Back to the Basics: From Collateral to Credibility (ESG) -- Part II: Towards a Distributed Network Economy-Decentralized Finance -- 4: Currency and Payment Tech: Cryptocurrencies Transforming the Face of Finance -- 1 Introduction --2 Use of Blockchain Technology -- 3 Cryptocurrencies: Current Scenario -- 4 The Cryptocurrency Revolution -- 5 What Is Central Bank Digital Currency (CBDC)? -- 6 Role of Digital Currency in Strengthening e-Commerce -- 7 Cryptocurrency Regulatory Insights -- 8 Risks Involved in Digital Currencies -- 9 Chapter Insights -- 10 Conclusive Remarks -- 11 Direction for Future Work in Crypto Finance -- 5: Shock-Resistant Programmable Money: Stablecoins -- 1 Introduction -- 2 Related Works -- 3 Stablecoins: An Overview -- 4 Major Concerns in Stablecoins -- 5 Monetary Stability in Cryptocurrencies -- 6 Stablecoin Use Case: The TerraUSD Collapse -- 7 Concluding Remarks -- 6: A Systemic Review of Payment Technologies with a Special Focus on Digital Wallets -- 1 Introduction -- 2 Background -- 3 Traditional Payment Technology -- 4 The Digital Wallet Technology -- 5 Digital Wallets -- 5.1 Public Key -- 5.2 Private Key -- 6 Literature Review -- 7 Functional Requirements of a Digital Wallet -- 8 Digital Wallets: State of the Art and Innovation Diffusion -- 9 Categories of Wallets -- 10 Privacy and Security Issues in the Digital Wallet Usage -- 10.1 Implications for the Payment Technology -- 11 Conclusion -- 7: Blockchain Tech-Enabled Supply Chain Traceability: A Meta-Synthesis -- 1 Introduction -- 2 Literature Review -- 3 The Advantages and Challenges of Implementing Blockchain in Food Traceability System --4 Implementing Blockchain Food Traceability Systems in Small and Medium Enterprises (SME) -- 5 Conclusion. Part III: Fintech and Defi-Issues, Policy, and Regulatory Insights -- 8: The Surge in Blockchain-Based Patent Applications: Booster or Bumps? -- 1 Introduction -- 2 Blockchain-Based Patents and Digital Asset Market Stability -- 3 Allocative Efficiency and Decentralized Patents --4 Emerging Trends in the Patent Systems -- 5 Insights for Blockchain-Based Patent System -- 9: Financial Inclusion to Digital Finance Risks: A Commentary on Financial Crimes, Money Laundering, and Fraud -- 1 Introduction: The Digital Revolution -- 2 Financial Inclusivity: The Present -- 3 Challenges of FinTech: The Future -- 4 Financial Tampering: A Fraud Triangle Approach -- 4.1 Financial Fraud Opportunities: The Loophole in Fintech Developments and Applications -- 4.2 Financial Fraud Motives -- 4.3 Financial Fraud Rationale -- 5 Concluding Remarks: Where Do we Go from Here? -- References.