

# Applications and Trends in Fintech I

## Governance, AI, and Blockchain Design Thinking



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### ABOUT THE BOOK

This book is the first part of Applications and Trends in Fintech, which serves as a comprehensive guide to the advanced topics in fintech, including the deep learning and natural language processing algorithms, blockchain design thinking, token economics, cybersecurity, cloud computing and quantum computing, compliance and risk management, and global fintech trends. Readers will gain knowledge about the applications of fintech in finance and its latest developments as well as trends.

This fourth volume covers the foundation of fintech, which is ethics and governance, and advanced topics in two of the most important technologies, artificial intelligence and blockchain. Together with the second part in applications and trends (fifth volume), these two books will deepen readers' understanding of the fintech fundamentals covered in previous volumes through various applications and analysis of impacts and trends.

### READERSHIP

Undergraduate students, postgraduate students and researchers interested in the theory and applications of differential equations in mathematics and the natural sciences.

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#### Part A: Ethics and Governance:

- Ethical Framework and Principles
- Governance and Regulation

#### Part B: Artificial Intelligence, Machine Learning, and Deep Learning in Finance:

- Machine Learning
- Deep Learning
- Natural Language Processing (NLP)

## Part C: Blockchain Programming and Design Thinking:

- Blockchain and Digital Currency Advanced
- Token Economics, Blockchain Ecosystem, and Design Thinking

### ABOUT THE EDITORS

**Professor David LEE Kuo Chuen** is a professor at the Singapore University of Social Sciences and Adjunct Professor at the National University of Singapore. His other appointments are the founder of BlockAsset Ventures, the Chairman of Global Fintech Institute, Vice President of the Economic Society of Singapore, Co-founder of Blockchain Association of Singapore, and Council Member of British Blockchain Association. He has 20 years of experience as CEOs and Independent Directors of listed and tech companies and is a consultant and advisor to international organisations on food supply chain, blockchain, FinTech and Digital Currency.

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