



AI

*Digital
Assets*

*Sustainable
Finance*

Leadership in the Future of Finance

April and September 2025
Singapore

www.bondblox.com

Overview

New Technologies are changing Finance and Financial institutions. The change is rapid yet uncertain. Currently, three topics at the forefront of change are AI, Tokenization and Sustainability. The C-suite is often in charge of deciding when and how to introduce these new technologies; and how much investment to make: *is it a million-dollar bet, or a billion-dollar bet?* The C-suite is the final arbitrator of the debate between the evangelists and the traditionalists.

This programme is designed to equip the empowered to make the right decisions; to understand the current state of the art in these technologies as well as their lacunae. The programme is restricted to only C-suite participants to create a safe space for effective discussions. All participants will be screened by the organizer to ensure adequate seniority.

Each of the instructors have doctorate degrees and over 25 years of practical financial service experience across premier institutions. They will be accompanied by external speakers for curated panel discussions and fireside chats on focused topics during the programme. It will focus on practical implementation of the technologies, with special emphasis on regulations and regulatory views.

Agenda and Venue

Day 1: Artificial Intelligence

Day 2: Digital Assets in Capital Markets

Day 3: Sustainable Finance (Optional Track)

Each day will end with an assessment, followed by a panel discussion or fireside chat by external speakers from the field.

Dates

- Early April 2025
- Mid September 2025

Venue: Hotel in the Singapore CBD

Artificial Intelligence

I. What is AI and what is not AI

- History and myths around AI
- Different types of AI
- Use cases in banking and finance
- Technical deep dive
- Chip wars

II. Natural Language Processing

- Bag of words
- Tokenization
- Sentiment Analysis
- Training data
- Example: NLP is searching for bond news

III. Generative AI

- Predictive vs. Generative AI
- Large language models
- Generative AI Intro
- Image and speech recognition test
- Retrieval-Augmented Generation
- Comparison on tools
- Case: AI as financial advisor or AI in fraud detection

IV. Human Mind vs. AI

- Trust in AI
- Biases in AI

V. Laws on AI

- MAS 5th Pillar on AI
- EU AI Act

VI. Disruption/Creation of Banking Jobs

- Define banking tasks
- Can AI do them now, in the next 12 months, 5 years, beyond 10 years, never?
- Group work: Disruption index

Digital Assets in Capital Markets

I. Evolution of Money & Introduction to Digital Assets

- History of money
- Definition and classification of digital assets

II. Understanding Blockchain Technology

- What is Web 3.0? What is DeFi?
- What is a DAO?
- Encoding, Encryption, Hashing
- What is Blockchain/DLT?
- Consensus mechanism, Smart Contracts & Oracles

III. Cryptocurrencies

- Deep dive into bitcoin and problems
- Hyperledger, Ethereum, Polygon
- Stablecoins

IV. CBDCs and Regulating Digital Assets

- Definition, benefits, limitations
- Implication of CBDCs on financial markets
- Current regulatory framework, challenges and impact on financial market ecosystem

V. Tokenization of Real-World Assets and Fractionalization

- Definition, benefits and examples of tokenization
- How can fractionalization be achieved and benefits

VI. Atomic Settlement and Dual Fungibility

- Settlement cycles – history and how it works
- Atomic settlement and barriers
- Conditions for true atomic settlement

VII. Custody of Digital Assets and Primary Issuance on Blockchain

- Depository and custody in the age of Digital Assets
- How to issue a new bond on blockchain and advantages

VIII. Case Studies

- World Bank i-bond
- UBS digital bond
- Project Evergreen
- Project Bakong

Sustainable Finance (Optional Track)

I. Why Sustainable Finance

- The climate problem
- Definition and History of sustainable finance
- The Paris Agreement
- Sustainable vs. traditional: How do returns (and risk) stack up?

II. Key Stakeholders & The Role They Play

- Governments
- Supranationals
- Investors
- Regulators
- A closer look at Singapore's sustainable finance initiatives

III. Frameworks, Standards of Reporting and ESG Scores

- The need for standards
- Formation of the International Sustainable Standards Board (ISSB)
- Taskforce for Climate-Related Financial Disclosures (TCFD)
- Other common standards including GRI, SASB, CDP, SDG
- ESG Ratings and shortcomings

IV. Sustainable Investment Strategies & Asset Classes

- Investor types
- Strategies:
 - Best in class
 - ESG integration
 - Sustainability-themed
 - Exclusions
- Impact investing
- Norms-based investing
- Engagement & Voting
- ESG in Private Equity
- ESG in Debt

V. Deep Dive on ESG Bonds

- ESG bond types
- ESG standards
- Examples of green, social, sustainable and sustainability-linked bonds
- Greenium

VI. Greenwashing – Accountability and Concerns

- Definition of greenwashing
- Examples across corporates, investors, underwriters, ratings

The Instructors

Dr. Rahul Banerjee

Co-Founder & CEO, BondbloX



Rahul is a DCM-banker with 20 years of experience, including stints at global premier banks such as Credit Suisse, Nomura and Citi. In his previous role, he was the Global Head of International Corporates, Financial Market Sales at Standard Chartered Bank, where his team was based across all the major dealing rooms and covered the Fixed Income needs of large corporate clients.

Dr. Tiong Kiat Wong

Managing Director & Head – Data Analytics, OCBC Bank



Dr. Wong is a banking professional with 20 years of experience across senior positions in analytics, product program management, risk management, credit initiation & collections, and internal audit at International Banks. He is currently an Adjunct Faculty in Finance with SMU. He holds a Doctor of Business Administration degree focusing on entrepreneurial studies research from SMU.

Dr. Matthew Dearth

Associate Professor of Finance (Practice), NTU



Matthew Dearth, PhD, has 30 years of experience including leadership roles at Marshall Wace, Goldman Sachs, and Booz Allen & Hamilton. Additionally, he began teaching finance courses on alternative investments as well as sustainable and impact investing at NTU since 2023 and SMU prior to that. He is the co-author of “Getting Started in Alternative Investments” (Wiley, 2023). Dr. Dearth holds a PhD (General Management) from SMU and an MBA from Massachusetts Institute of Technology (MIT).

Who should attend

This program is curated for CXOs in financial institutions, policy makers, venture capitalists and fintechs.

The ideal participant is responsible for directing their firm's business outcomes and direction. The program is meant to be a safe, classroom-style environment where usefulness, ease of use and applications of these emergent trends and technologies are discussed with an academic rigor. The participants are expected to have 15+ years of industry experience.

Fees and Funding

SGD 4,500 per participant

Optional Track for Sustainable Finance: SGD 1,000 additional

IBF funding is available to eligible participants:

- *SGD 1,000 for Singapore citizens below 40 years of age and PRs*
- *SGD 1,400 for Singapore citizens over 40 years of age*

Each of the three full-day sessions are approved under IBF-STs and offer 8 CACS CPD hours. The IBF recognition is under the following TSCs:

Artificial Intelligence

Future Enabled Skills, Digital Awareness – AI/ML Proficiency Level 3

Digital Assets in Capital Markets

Future Enabled Skills, Digital Awareness – Blockchain/DLT Proficiency Level 3

Sustainable Finance

Sustainable Investment Management Proficiency Level 3

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About GFTN

The Global Finance & Technology Network (GFTN), established by the Monetary Authority of Singapore, is a not-for-profit organisation that engages with leaders from government, businesses, academia, and civil society to foster international collaborations with our members on innovation, application and adoption of technology.

GFTN's initiatives have convened over 420,000 people since 2016 through events, closed-door roundtables, investor programmes, educational initiatives, and research. The Singapore Fintech Festival (SFF) is the organisation's flagship product; other known platforms under its wing include the Point Zero Forum, Elevandi Insights, Japan FinTech Festival, Inclusive FinTech Forum, 3i Africa, The Capital Meets Policy Dialogue and The Founders Peak with many more coming soon.

www.gftn.co

About BondbloX

BondbloX is a leading fixed income-focused fintech that specializes in bond market data, education and technology. The Company has launched the world's first fractional bond exchange – BondbloX Bond Exchange (BBX). Regulated by the Monetary Authority of Singapore, BBX transforms the bond market globally by enabling investors to trade full and fractional bonds (BondbloX) digitally, just like stocks. The exchange leverages DLT to bring efficiencies in bond trading.

The Company is also an IBF-recognized training provider that specializes in trainings on specialized topics including digital assets, AI, bonds and sustainable finance.

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Important Information

Terms & Conditions

Course fees are non-refundable. Customers can reach out to us via email for further clarifications.

Assessment

Each session will conclude with an online assessment of up to 20 multiple-choice questions, requiring an 70% pass rate. Candidates may re-sit the assessment a maximum of two times

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