



# ETH Zurich Fintech & Quantum Finance Workshop 2025

Preliminary Announcement for NUS

# ETH Zurich Fintech & Quantum Finance Workshop 2025

Dear Participant

The ETH Zürich Fintech & Quantum Finance Workshop is a dynamic and immersive program dedicated to exploring the cutting-edge innovations in financial technology in Switzerland. Join us for a week of insightful lectures, hands-on case work, and engaging sessions with leading companies and startups in the fintech industry!

## About

**Academic Lead:** Prof. Patrick Cheridito, Academic Director FinsureTech Hub,

**Executive Lead:** Bastian Bergmann, Executive Director, FinsureTech Hub

**Date:** June 19 - 21, + June 23 optional (preliminary)

**Location:** ETH Zurich Main Campus

**Fee:** 2000 CHF, incl. Coffee & Lunch Breaks, Lab Visits Access

**Certificate:** ETH Certificate of Participation

**Registration:** Follow this [Link](#)

## Agenda

Day 1: **Quantum Foundations & Business Models**

Day 2: **Quantum Machine Learning & Innovation Tour**

Day 3: **Machine Learning for Finance**

Day 4: **Machine Learning for Finance - Hands-on Session**

### Expert Lectures:

Lectures delivered by world-renowned academics and industry leaders. Gain insights into the latest trends, challenges, and opportunities in the fintech landscape.

### Company and Startup Sessions:

Engage with some of the most exciting companies and startups in the fintech space from Switzerland. Hear firsthand from entrepreneurs and industry professionals about their journeys, the challenges they've overcome, and their visions for the future. These sessions offer invaluable networking opportunities and the chance to see cutting-edge fintech solutions in action.

**Note:** Travel, accommodation, and personal expenses are to be covered by par-

# Agenda

(Wednesday 18 June - Arrival)

Day 1 - Thursday, 19 June, 9.15 - 17.00

## **Quantum Foundations & Business Models**

We begin with a foundational introduction to quantum mechanics, including key concepts like qubits, entanglement, and the limits of classical computing. In the afternoon, we pivot to the strategic: how quantum technology disrupts traditional computational barriers, and what that means for business, policy, and society. A key message: understanding quantum's economic logic is as essential as grasping the physics.

Day 2 – Friday, 20 June 9.15 - 17.00

## **Quantum Machine Learning & Innovation Tour**

In the morning, we explore the emerging landscape of Quantum Machine Learning in Finance, examining hybrid quantum-classical systems and the principles that make quantum-enhanced learning possible. This session explains why financial institutions are increasingly investing in quantum readiness. The afternoon features insights into ETH Zurich's quantum research initiatives, followed by guided ETH quantum lab visits and startups to see cutting-edge quantum technology and applications in action.

Day 3 – Saturday, 21 June, 9.15 - 17.00

## **Machine Learning for Finance**

We wrap up with a focused workshop on the latest advances in machine learning applications for finance. Topics include asset pricing, credit risk, trading algorithms, and generative models. With a mix of expert talks, this session is designed for researchers and practitioners aiming to integrate modern ML tools into financial practice.

Day 4 – Monday, 23 June (optional) , 9.15 - 17.00

## **Machine Learning for Finance - Hands-on Session**

We continue with workshop exploring other topics in machine learning and finance and spending more time on hands-on sessions.





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