UNIVERSITY OF CAMBRIDGE JUDGE BUSINESS SCHOOL

CAMBRIDGE **SUPTECH LAB**
INNOVATION LEADERSHIP PROGRAMME

LEARN | EXPERIENCE | BUILD

9-WEEK ONLINE COURSE
&
9-MONTH SUPTECH APPLICATION DEVELOPMENT

Cambridge
**Centre
for Alternative
Finance**

UNIVERSITY OF
CAMBRIDGE
Judge Business School

ExecutiveEducation

LEARN, EXPERIENCE, BUILD

Over the course of nine weeks, you'll develop a holistic understanding of financial technologies, the opportunities they provide, and the risks they bring. Through an immersive online experience that draws on real-world case studies, you'll deepen your connection to technology and data science, and familiarize themselves with the many dimensions of digital transformation and product lifecycle management. You'll experience design sprints, conduct suptech diagnostics, create proofs of concept for new applications... that you and your agency may well develop and deploy through the Programme.

Start in
APRIL 2023

7-8 hours / week
9 WEEKS DURATION

Self-paced, asynchronous
ONLINE

DEAR SUPERVISOR

Join us on a journey to shape the future of financial supervision. Let's leave behind us backlogs, manual validation, data that are siloed and incomplete. Together we will develop new solutions to make financial authorities thrive in an increasingly complex digital world, making financial supervision smart and agile.

You will use modern technologies to craft applications that automate lengthy manual processes, distill into intelligence the ocean of data that financial consumers and institutions generate, and bring to the surface new insights so you can make informed and timely decisions.

Through this world-class online Innovation Leadership Programme, you will access ground-breaking research and executive education, collaboratively develop new analytical frameworks, familiarize with innovative digital tools for market intelligence and drive a much-needed paradigm shift in financial supervision.

WALK AWAY WITH A SUPTECH SOLUTION

Centered on leadership, change, and innovation, the 9-week curriculum is built around six modules that integrate interactive learning tools. After completing the Programme, participants will have completely developed suptech proofs of concept, some of which will be selected for full development and deployment – with sponsorships available. The Lab will assist with the selection and procurement of a technology vendor, management of the production phase, and testing of the application.

UP YOUR INNOVATION GAME. MAXIMIZE YOUR IMPACT

In our vision, effective digital supervision and regulation enable sound and sustainable delivery of innovative financial services, greater protection of consumers, and the pursuit of other policy objectives such as financial integrity and the oversight and mitigation of environmental and governance risks. Through this Programme, the University of Cambridge is providing experiential training and digital tools to establish a new community of leaders that will drive innovation in the financial sector for the decade to come.

As a Programme fellow – one of the **Cambridge SupTech Lab Innovation Leaders** – you will team up with peer supervisors, regulators, data scientists, and technologists from your agency and across jurisdictions to develop proofs of concept of impactful, scalable suptech applications for their capstone projects.

Some proofs of concept will be selected for production, procuring technology vendors that will work with the Lab's team and the Innovation Leaders to bring their ideas to life.

ABOUT THIS PROGRAMME

The Cambridge SupTech Lab Innovation Leadership Programme gives access to world-class online leadership education, ground-breaking research, new analytical frameworks, innovative digital tools for market intelligence and business analysis, the skills needed to manage the development of innovative products end-to-end, and the opportunity to build and deploy cutting-edge Suptech applications.
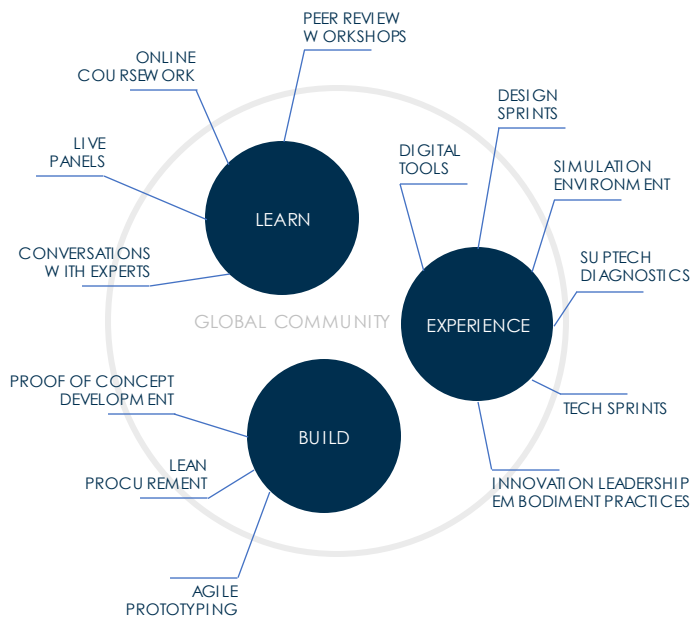
Are you ready?

This Programme integrates rich, interactive activities that you can undertake at your own pace with live sessions, coaching and tutoring sessions, teamwork, and practice with digital tools. Opportunities for collaborative learning through discussion forums are also available, and teamwork is encouraged and supported.

Together we build cutting-edge, globally scalable, production-level suptech applications to transform financial supervision.

You will join the Cambridge Regulatory Knowledge Exchange (RKE), an online community of more than 1,300 financial supervisors, regulators and policymakers.

GLOBAL COMMUNITY

LEARN
- ONLINE COURSEWORK
- PEER REVIEW WORKSHOPS
- LIVE PANELS
- CONVERSATIONS WITH EXPERTS
- DIGITAL TOOLS

EXPERIENCE
- DESIGN SPRINTS
- SIMULATION ENVIRONMENT
- SUPTECH DIAGNOSTICS
- TECH SPRINTS
- INNOVATION LEADERSHIP EMBODIMENT PRACTICES

BUILD
- PROOF OF CONCEPT DEVELOPMENT
- LEAN PROCUREMENT
- AGILE PROTOTYPING

THE INNOVATION LEADER

YOU

"In the era of fintech and AI, the very same tools digitalizing the private sector and creating new supervisory risks could also be wielded by the supervisors themselves to mitigate these emerging challenges. The Lab's Innovation Leaders should be able to break down departmental silos and address supervisory pains ("what do you dread about coming to work in the morning?") creating solutions that bring transformative gains ("if you could snap your fingers and instantly change anything about your day, what would that be?"). In this course, we bring together the expertise of the supervisors, novel technologies, and a mindful approach to change management and product lifecycle management to actually build valuable cutting-edge suptech solutions. A unique feature for an executive Programme."

Matt Grasser
Programme co-Director

"To drive deep transformation, we need to infuse in our work a new culture. Creating sustainable innovation with long-lasting impacts requires us to look beyond business cases and technical specifications. Agile development, Human-Centered Design (HCD), and other process-oriented techniques support the shift we aim to instigate in financial supervisory authorities. Also critical is a leadership style that nurtures cooperation, trust, and exploration, shaping an environment where creativity is harnessed, and people are empowered to bring innovation to life. For this reason, we have invited in the Programme communication techniques, embodiment exercises and consciousness-based practices to enable each of us to embody an evolved version of the Innovation Leader."

Simone di Castri
Programme co-Director

GET ORIENTED AND INSPIRED

Introduction
1 week
Oct 17 – 21

- Familiarize with the scope, learning objectives and timeline of the Programme
- Feel inspired to think beyond the boundaries of your day-by-day job
- Explore the Digital Infrastructure Diagnostic Tool
- Sketch capstones process with your teammates

DATA AND TECHNOLOGY

Module 1
1 week
Oct 24 - 28

- Play with data and tech tools deployed in fintech, regtech and suptech products
- Describe data science best practices and key features of new technologies
- Assess practical and ethical implications of tech, and the related opportunities and risks
- Blueprint the "Data Stack" model for supervisory data management of your agency
- Start working with members of your team and broader institution on the digital infrastructure diagnostic of your agency or department

FINANCIAL TECHNOLOGIES

Module 2
1 week
Oct 31 – Nov 4

CRYPTO, DIGITAL BANKING, ALTERNATIVE CREDIT SCORING, PEER-TO-PEER LENDING, DIGITAL PAYMENTS

- Delve into emerging fintech products and business models
- Discuss how they are reshaping the financial ecosystem

PARADIGM SHIFT IN FINANCIAL SUPERVISION

Module 3
2 weeks
Nov 7 - 18

5 ALTERNATIVE TRACKS

Elect one subject:
- CONSUMER PROTECTION AND MARKET CONDUCT SUPERVISION
- AML/CFT/PF SUPERVISION
- PRUDENTIAL & BANKING SUPERVISION
- PAYMENTS OVERSIGHT
- CAPITAL MARKETS AND DIGITAL ASSETS SUPERVISION

- Identify and weigh the main drivers of supervised risks within your jurisdiction
- Describe, analyze and evaluate the supervisory framework implemented by your agency
- Critically examine the impact of financial technologies on supervised risks
- Characterize risks where SupTech applications could augment the supervisory capabilities of your agency

DIGITAL INFRASTRUCTURE DIAGNOSTIC

Module 4
1 week
Nov 21 - 25

- Present to peers your digital infrastructure diagnostic report

PRODUCT DESIGN

Module 5
2 week
Nov 28 – Dec 9

- Apply product design best practices, including Human-Centered Design (HCD)
- Develop your value proposition analysis
- Familiarize with cutting-edge suptech applications implemented by different authorities
- Lay out the specifications of suptech applications that match the needs of your agency
- Peer-review the proof of concept of your SupTech application

AGILE PROTOTYPING AND APPLICATIONS DEVELOPMENT

Module 6
1 week
Dec 12 – 16

- Apply product lifecycle management best practices, including Lean Product Management
- Elaborate a strategy for change management related to the applications you aim to implement, identifying dependencies and roles that are critical for the success your suptech project
- Assess strategies for vendor selection, and identify the optimal choice for development of your suptech application
- Collaborate with peers and explore creative approaches to product development

INNOVATION LEADERSHIP
(every week)

- Expand your leadership vision and skills to nurture creativity, innovation and collaboration in your agency
- Become a more effective communicator and a more confident decision-maker
- Develop the self-awareness and emotional intelligence of an embodied leader

CAPSTONES & APPLICATIONS DEVELOPMENT

- Every week you and your teammates will work on your capstone projects designing proofs of concept of cutting-edge, scalable suptech applications
- The Lab will run competitions to crowdsource ideas that complement the Capstones and identify vendors for the implementation of the solutions
- Several solutions receive sponsorship for prototyping and deployment
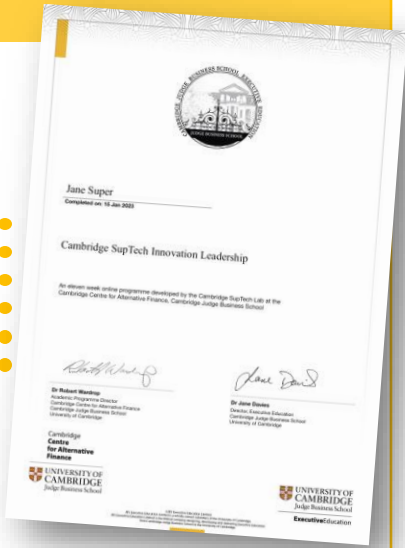
LECTURERS, INSTRUCTORS, AND GUEST SPEAKERS

Technologists, policy and regulatory experts, economists, entrepreneurs, researchers, product managers, designers, data scientists, coders, and business strategists with global and local expertise will lead the delivery of the curriculum.

Leveraging their first-hand experience and practical case studies from around the world, they will provide foundational knowledge of fintech business models and products, institutional data architectures and underpinning technologies, digital transformation approaches, and train the fellows on product life cycle management and engage with relevant stakeholders.

For more information on the experts who are collaborating to deliver this Programme, please visit **www.cambridgesuptechlab.org**.

THIS PROGRAMME IS FOR YOU, IF YOU:

- Want to deepen your knowledge while enhancing your capacity in the conceptualization, design, procurement, development and roll-out of suptech applications.
- Are a supervisor, regulator, economist, data scientist, or technologist currently employed by a financial regulatory or supervisory authority.
- Are committed to accelerating the digital transformation of your financial authorities, to furthering innovation in financial sector supervision, and to catalyzing resilient, sustainable, and innovative financial sectors.

JUDGE BUSINESS SCHOOL EXECUTIVE EDUCATION

The University of Cambridge Judge Business School Executive Education portfolio comprises over 40 well-crafted programmes that expand the participant's skills and understanding in service of their organisational, personal development and career objectives. These programmes are designed by world-class faculty for managers and leaders looking to learn and grow.

YOUR CERTIFICATE OF COMPLETION

This Programme offers you the opportunity to earn a certificate of completion from one of the world's leading business schools - the University of Cambridge Judge Business School. Your certificate will be issued in your legal name and couriered to you upon successful completion of the Programme, as per the stipulated requirements.

TUITION FEE

FINANCIAL AUTHORITIES
6 seats minimum
$2,200/person

INDIVIDUALS
$2,500

SUPTECH SOLUTION DEVELOPMENT

Each team will develop a capstone project represented by a suptech proof of concept. By the end of the Programme, the proof of concept will be ready for production into suptech applications. The cost of production is **$150,000** and includes:

- Selection and procurement of a technology vendor through an international competition.
- Management of the production phase.
- Testing of the application using international best practices and certified standards.

ENROLLMENT

- We accept in the Programme either individual fellows or teams that represent a financial authority.
- We highly encourage agencies to enroll teams of 6–10 individuals that would be responsible for the development of a suptech application, roadmap, strategy, open data project, innovation hub, or digital transformation initiative.
- Admissions to the Cambridge SupTech Lab Innovation Leadership Programme are highly selective.
- Institutional admissions are rolling. The sooner you apply, the sooner you will receive a decision.
- To apply, please visit **www.cambridgesuptechlab.org**

SCHOLARSHIPS & SPONSORSHIPS

A limited number of **scholarships** to attend the Programme and **sponsorships for the development of application solutions** is available to financial authorities from Low- and Middle-Income Countries who will enroll in the consumer protection track, sponsored by the **Bill & Melinda Gates Foundation**.

BILL & MELINDA GATES *foundation*

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Contacts

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