

## Professional Training Course

# Autumn School on Fintech

 @FBF\_School

**20 - 22 November 2019**

Theatre - Badia Fiesolana, Via dei Roccettini 9 - San Domenico di Fiesole (Fiesole, Florence)

Instructors:

**Philipp Paech** *Course Director* | London School of Economics

**Peter Kerstens** | European Commission DG FISMA

**Andres Lehtmets** | EIOPA

**Klaus Löber** | European Central Bank

**Elisabeth Noble** | European Banking Authority

## Introduction

'FinTech' denotes a broad array of technologically-enabled financial services and products. The existence of the Internet and of personal mobile devices allows new ways of doing finance, in particular since applications comprise elements of artificial intelligence, cloud computing, distributed ledger ('blockchain') or other new technologies.

FinTech has a disruptive impact on the market, where banks and other traditional providers are reshaping their business models so as to withstand the entry into the market by innovative start-ups and big technology companies and social media networks. This disruptive effect has direct consequences for legislators, regulators and supervisors, as traditional approaches may need to be adapted to reflect relevant policy lines. Thus, the traditional approach may come under strain, in particular as regards standards of consumer protection, systemic risk prevention, operational and cyber resilience and the avoidance of money laundering and other illegal activity. At the same time, regulators and supervisors are aware of the need to allow the market to develop, thereby ensuring optimal choices for consumers and businesses, and the global competitiveness of European financial market.

## Programme

### 20 November

09.15 - 09.30 *Welcome and presentation of the Florence School of Banking and Finance*

09.30 - 10.45 **Session 1: Introduction to Fintech**

- The market today and tomorrow



- The conceptual framework for distinguishing between relevant technologies and tech-enabled financial products and services allowing for new business models
- Technological innovations underlying FinTech: blockchain/DLT, artificial intelligence, cloud, API, etc.
- Overview of (all) use cases

10.45 - 11.00 *Coffee break*

11.00 - 12.45 **Session 2 - Regulatory challenge 1: Keeping pace with the industry**

- FinTech and financial regulation
  - EU acquis and implementation
  - Autonomous national law
- Incumbents and new entrants
- Unregulated? Gaps and uncertainties?
- Regulatory initiatives to better accommodate FinTech
- Bridging industry, regulation and supervision: innovation facilitators

12.45 - 14.00 *Lunch*

14.00 - 15.30 **Session 3: FinTech and new ways of creating and holding assets**

- Crypto assets, clearing and settlement, payment

15.30 - 15.45 *Coffee break*

15.45 - 17.15 **Session 4: Case study on 'stablecoins'**

17.30 - 18.00 *Transfer by bus to Caffé del Verone - **Meeting point** for the shuttle bus: **San Domenico di Fiesole***

18.00 - 19.30 ***Apericena** at **Il Caffé del Verone**, Museo degli Innocenti, Piazza della Santissima Annunziata, 13, Florence*

**21 November**

09.15 - 10.30 **Session 5: Applications of AI in business, RegTech and SupTech**

- Business applications
  - Credit scoring
  - Online funding (intermediation and matchmaking)
- RegTech and SupTech e.g. AML/CFT

10.30 - 10.45 *Coffee Break*

10.45 - 12.15 **Session 6: Regulatory challenge 2 - Data protection and operational resilience**

- GDPR
- Outsourcing (e.g. to the cloud)

12.15 - 13.30 *Lunch*

13.30 - 15.00 **Session 7: Case study - AI and acceptance**

- Explainability and interpretability

- 15.00 - 15.15 *Coffee break*
- 15.15 - 16.45 **Session 8: FinTech and business models**
- Disintermediation, Partnerships
  - Platformisation
- 17.00 - 18.30 *Guided Tour at the Badia Fiesolana*
- 18.30 - 19.00 *Dinner Speech by **Andres Lehtmets** | EIOPA in Badia Fiesolana, Sala Buonsanti*
- 19.00 - 21.30 *Dinner in Badia Fiesolana, Sala Buonsanti*
- 21.30 *Transfer by shuttle bus downtown (Piazza San Marco) - **Meeting point** for the shuttle bus: **San Domenico di Fiesole***

## **22 November**

- 09.15 - 10.30 **Session 9: Disruption and competition**
- Tech neutrality
  - Fragmentation
  - Access
- 10.30 - 10.45 *Coffee Break*
- 10.45 - 12.15 **Session 10: Regulatory challenge 3: Blockchain, DLT**
- Functional principles of blockchain/DLT
  - Bilateral and multilateral relationships
- 12.15 - 13.30 *Lunch*
- 13.30 - 15.00 **Session 11: Case study - Public and Private Digital Money**
- 15.00 - 15.15 *Coffee Break*
- 15.15 - 16.15 **Session 12: Mapping regulatory evolution in the EU and beyond**
- 16.15 - 16.30 **Closing remarks**