



The EUROPEAN SUPERVISOR EDUCATION INITIATIVE  
(ESE)

presents the seminar on

**“FINTECH AND BIG TECH IN FINANCE –  
NEW CHALLENGES FOR EUROPEAN  
SUPERVISORS”**

hosted by:	Deutsche Bundesbank
Date:	16 – 17 September 2019
Venue:	Frankfurt a. M.



## **OBJECTIVES**

Emerging platforms and decentralized technologies provide new ways to transfer value, aggregate and analyze information, to improve connectivity and to reduce the marginal costs of accessing information and of participating in financial activities. At the same time, however, these new technologies pose a major challenge for regulators and supervisors tasked with ensuring financial stability and a level playing field.

This course will enable participants to primarily understand the technological innovations and regulatory challenges posed by the emergence of fintech start-ups and the move of large tech companies into finance.

The course starts with discussing the rise of big data and the data economy and then turns to distributed ledger technology, which many successful fintech companies use to extract value from the rapidly increasing global data sphere. The course will then provide more content on distributed ledger technologies, from bitcoin and ethereum, to scaling and privacy solutions, as well as successful applications in the financial services industry. Lastly, the course will touch on the trend of big tech companies moving into finance and the particular challenges that products like libra pose for the industry.

## **TARGET GROUP**

The course is suitable for regulators and supervisors tasked with devising appropriate regulation that will be required in the context of new fintech start-ups and big tech companies entering the financial services industry. It will provide participants with a thorough overview of the most important concepts and underlying technological trends in fintech.

## **FORMAT**

The course will use several case studies of successful fintechs and outlines how they challenge industry incumbents and fit into the current regulatory landscape. At the



same time, participants will get a thorough understanding of the foundations and principles that enabled the rise of fintechs.

## TRAINERS

Co-Pierre Georg, Associate Professor at University of Cape Town and Research Economist at Deutsche Bundesbank and an expert from the Frankfurt School of Finance and Management and/or a Fintech company.

## PROGRAMME

### Day 1

#### Monday, 16 September 2019

8.30 – 8.45	<b>Welcome and introduction to the seminar</b>  <i>Markus Grimm, ESE Managing Director and Deputy Head of Training, Deutsche Bundesbank and</i>  <i>Co-Pierre Georg, Associate Professor University of Cape Town and Research Economist Deutsche Bundesbank</i>
8.45 – 10.15	<b>Session I:</b> The rise of fintech companies following the global financial crisis and the emergence of the data economy
10.15 – 10.30	Coffee Break
10.30 – 12.00	Continuation of Session I
12.00 – 13.00	Lunch break at Central Office, Deutsche Bundesbank
13.00 – 14.30	<b>Session II:</b> Methods and foundations of distributed ledger technologies, including cryptography, data structures, and consensus protocols
14.30 – 14.45	Coffee Break
14.45 – 16.00	Continuation of Session II
16.00 – 16.15	Coffee Break



EUROPEAN SUPERVISOR EDUCATION INITIATIVE

16.15 – 18.00 **Session III:** How distributed ledger technologies are applied in the financial services industry

After the seminar Social event hosted by Deutsche Bundesbank

## Day 2

### Tuesday, 17 September 2019

8.30 – 9.15 Continuation of Session III

9.15 – 10.45 **Session IV:** Stable coins, central bank backed digital currencies, and big tech in finance

10.45 – 11.00 Coffee Break

11.00 – 12.30 Continuation of Session IV

12.30 – 12.45 Wrap up and finalisation of seminar

13.00 – 14.30 Optional Lunch

## Organisational Information

### SEMINAR VENUE

Deutsche Bundesbank  
Head Office  
Wilhelm-Epstein Straße 14  
60431 Frankfurt a.M.

### SEMINAR FEE AND REGISTRATION

Please register via ESE's website [www.ese-initiative.org](http://www.ese-initiative.org)

Registration deadline: 23 August 2019

Seminar fee: 300 EUR (excl. accommodation)

Throughout the seminar lunches, snacks and drinks will be provided. One social event with a dinner is included in the seminar fee. Ancillary costs (e.g. telephone



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calls, additional drinks) are to be borne by the participants themselves. Please note that nominating institutions will be charged via an invoice afterwards. In case a registration already confirmed by ESE is cancelled after the registration deadline and no replacement for this place can be found, the complete seminar fee is due and will be invoiced by ESE.

### **SEMINAR ORGANISATION**

General questions regarding the seminar can be addressed to the:

ESE Secretariat at Deutsche Bundesbank,

Central Office Frankfurt

Email: [ese-initiative@bundesbank.de](mailto:ese-initiative@bundesbank.de)

Phone: + 49 69 9566 ext 5107 or 3093

Ms. Monika Lenkeit or Christiane Zinkhan

### **About ESE**

The European Supervisor Education Initiative (ESE) is an alliance of central banks and supervisory authorities in Europe with the objective to qualify financial supervisors in Europe. Its members are Banka Slovenije, Banque centrale du Luxembourg, Czech National Bank, De Nederlandsche Bank, Deutsche Bundesbank, German Federal Financial Supervisory Authority and Oesterreichische Nationalbank.

ESE is committed to high level training based on uniform standards to enhance financial supervisors' knowledge and skills and to promote a common European supervisory culture and practice. The initiative offers a modular seminar programme for banking, insurance and securities and markets supervisors, financial stability analysts and economists from central banks and supervisory authorities in Europe.

ESE is always open to new members or cooperation. Any contribution by European central banks, supervisory authorities or other institutions in the field of financial supervision sharing the idea that training is crucial to the success of financial supervision is highly appreciated.