

# Programme

International Cash Conference 2019  
Cash in the age of payment diversity



10 – 12 September 2019, Munich

# Programme

## Monday, 09 September 2019

19:00 Welcome reception at the Hotel Sofitel Bayerpost in Munich

## Tuesday, 10 September 2019

Moderation: Jelena Stapf

- 09:00 – 09:15 **Welcome remarks**  
Johannes Beermann (Member of the Executive Board of Deutsche Bundesbank)
- 09:15 – 09:45 **Introduction and Quick scan**  
Coen Voormeulen (De Nederlandsche Bank)
- 09:45 – 10:30 Keynote: Lars Feld
- 10:30 – 11:15 Keynote: Bill Maurer
- 11:15 – 12:15 Panel Discussion
- 12:15 – 12:30 Group photo
- 12:30 – 13:45 Lunch

### Session I: Guest of Honour – The Netherlands

Moderation: Hans de Heij

- 13:45 – 14:05 **Modelling user needs of payment instruments**  
Hans de Heij (De Nederlandsche Bank)
- 14:05 – 14:35 **Does banknote authentication need time and touch?**  
Frank van der Horst (De Nederlandsche Bank)
- 14:35 – 15:00 **Life cycle assessment of cash payments in the Netherlands**  
Nicole Jonker (De Nederlandsche Bank)
- 15:00 – 15:15 **Design examples of future cash**  
Igo Boerrigter (De Nederlandsche Bank)
- 15:15 – 15:40 Coffee break

### Interactive session

Moderation: Jelena Stapf

- 15:40 – 16:20 **Moderated voting and discussion:**  
The future of high denomination banknotes – perspective of different countries
- 17:15 – 18:45 Guided tour of the Englischer Garten
- 19:00 – 21:30 Dinner in the Pavilion of Seehaus im Englischen Garten  
Speaker: Johannes Beermann  
(Member of the Executive Board of Deutsche Bundesbank)
- After dinner Return transfer to Hotel Sofitel / Maritim

# Programme

Wednesday, 11 September 2019

	<b>Session II: Microeconomic evidence on payments</b> (Moderation: Heike Wörlen)	<b>Session III: Macroeconomic evidence on cash demand and circulation</b> (Moderation: Helmut Stix)
09:00 – 09:45	<b>New evidence on the demand side of cash payments</b> Jörn Tenhofen (Swiss National Bank)	<b>Model of banknotes migration - case of Poland</b> Arkadiusz Manikowski (Narodowy Bank Polski)
09:45 – 10:30	<b>What could induce Polish consumers to reduce cash payments?</b> Janina Harasim (University of Economics in Katowice) Monika Klimontowicz (University of Economics in Katowice)	<b>Coin migration between Germany and other euro area countries</b> Matthias Uhl (Deutsche Bundesbank)
10:30 – 11:00	Coffee break	
11:00 – 11:45	<b>Changes in U.S. consumer payments: A study of the diary of consumer payment choice</b> Shaun O'Brien (Federal Reserve Bank of San Francisco)	<b>Cash in circulation and the shadow economy: An empirical investigation for euro area countries and beyond</b> Friedrich Schneider (Johannes Kepler University Linz) Franz Seitz (Weiden Technical University of Applied Science)
11:45 – 12:30	<b>Cash use and financial literacy</b> Kim Huynh (Bank of Canada) Gradon Nicholls (Bank of Canada)	<b>Cash demand in the shadow economy in Germany</b> Nikolaus Bartzsch (Deutsche Bundesbank)
12:30 – 14:00	Lunch	
14:00 – 14:45	<b>The usage of cash as a store of value in Germany</b> Susann Sieber (Deutsche Bundesbank)	<b>A tale of two countries: Cash demand in Canada and Sweden</b> Walter Engert (Bank of Canada) Ben Fung (Bank of Canada)
14:45 – 15:30	<b>How does liquidity affect consumer payment choice?</b> Joanna Stavins (Federal Reserve Bank of Boston)	<b>Fiscal controls, payment limits and the demand for cash</b> Edoardo Rainone (Banca d'Italia)
15:30 – 16:00	Coffee break	
16:00 – 16:45	<b>Cash usage trends in Japan: Evidence using aggregate and household survey data</b> Hiroshi Fujiki (Chuo University, Japan)	<b>The role of cash in the shadow economy</b> Johana Cabinakova (Deutsche Bundesbank) Fabio Knümann (Deutsche Bundesbank)
17:30 – 18:45	Guided tour of Paulaner Bräuhaus incl. tasting	
19:00 – 21:30	Dinner at Valentinsaal of Wirtshaus in der Au Speaker: Stefan Hardt (Director General Cash Management, Deutsche Bundesbank)	
After dinner	Return transfer to Hotel Sofitel / Maritim	

## Thursday, 12 September 2019

	Session II (continued)	Session III (continued)
09:00 – 09:45	<b>From cash to choice: Uptake of digital financial services in the Netherlands</b> Gawain Lynch (Canela) Erin Taylor (Canela)	<b>Forecasting euro banknote circulation developments: An empirical analysis</b> Dieter Gerdesmeier (European Central Bank) Barbara Roffia (European Central Bank)
09:45 – 10:30	<b>The costs of cash payments in the retail sector</b> Johana Cabinakova (Deutsche Bundesbank) Fabio Knümann (Deutsche Bundesbank)	<b>Cash abolition to overcome the zero lower bound: A welfare-theoretic analysis</b> Gerhard Rösl (OTH Regensburg) Franz Seitz (Weiden Technical University of Applied Science)
10:30 – 10:55	Coffee break	

### Session IV: The digital future of cash

Moderation: Johana Cabinakova

10:55 – 11:40	<b>Cash use across countries and the demand for central bank digital currency</b> David Humphrey (Florida State University) Tanai Khiaonrong (International Monetary Fund)	
11:40 – 12:20	<b>The future of cash in a digitized economy</b> Hanno Beck (Pforzheim University) Aloys Prinz (University of Münster)	
12:20 – 12:50	<b>Neurometrics applied to banknote and security features design</b> Fernando Leon (Banco de España)	
12:50 – 13:10	<b>Concluding remarks</b> Stefan Hardt (Director General Cash Management, Deutsche Bundesbank)	
13:10 – 14:00	Lunch buffet	

### Dresscode

09 September:	Casual
10 September:	Business Casual
11 September:	Business Casual (Conference Sessions) / Casual (Social Programme and Dinner)
12 September:	Business Casual

**Venue:**

Sofitel Munich Bayerpost  
Bayerstrasse 12, 80335 München, Germany

**Organisation:**

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