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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session II: Microeconomic evidence on payments</th>
<th>Session III: Macroeconomic evidence on cash demand and circulation</th>
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<tbody>
<tr>
<td>09:00 – 09:45</td>
<td><strong>New evidence on the demand side of cash payments</strong></td>
<td><strong>Model of banknotes migration - case of Poland</strong></td>
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<td></td>
<td>Jörn Tenhofen (Swiss National Bank)</td>
<td>Arkadiusz Manikowski (Narodowy Bank Polski)</td>
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<tr>
<td>09:45 – 10:30</td>
<td><strong>What could induce Polish consumers to reduce cash payments?</strong></td>
<td><strong>Coin migration between Germany and other euro area countries</strong></td>
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<td>Janina Harasim (University of Economics in Katowice)</td>
<td>Matthias Uhl (Deutsche Bundesbank)</td>
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<td>Monika Klimontowicz (University of Economics in Katowice)</td>
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<td>10:30 – 11:00</td>
<td>Coffee break</td>
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<td>11:00 – 11:45</td>
<td><strong>Changes in U.S. consumer payments: A study of the diary of consumer payment choice</strong></td>
<td><strong>Cash in circulation and the shadow economy: An empirical investigation for euro area countries and beyond</strong></td>
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<td>Shaun O’Brien (Federal Reserve Bank of San Francisco)</td>
<td>Friedrich Schneider (Johannes Kepler University Linz)</td>
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<td>Kim Huynh (Bank of Canada)</td>
<td>Franz Seitz (Weiden Technical University of Applied Science)</td>
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<td>11:45 – 12:30</td>
<td><strong>Cash use and financial literacy</strong></td>
<td><strong>Cash demand in the shadow economy in Germany</strong></td>
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<td>Kim Huynh (Bank of Canada)</td>
<td>Nikolaus Bartzsch (Deutsche Bundesbank)</td>
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<td>Gradon Nicholls (Bank of Canada)</td>
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<td>12:30 – 14:00</td>
<td>Lunch</td>
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<td>14:00 – 14:45</td>
<td><strong>The usage of cash as a store of value in Germany</strong></td>
<td><strong>A tale of two countries: Cash demand in Canada and Sweden</strong></td>
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<td>Susann Sieber (Deutsche Bundesbank)</td>
<td>Walter Engert (Bank of Canada)</td>
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<td>Ben Fung (Bank of Canada)</td>
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<td>14:45 – 15:30</td>
<td><strong>How does liquidity affect consumer payment choice?</strong></td>
<td><strong>Fiscal controls, payment limits and the demand for cash</strong></td>
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<td>Joanna Stavins (Federal Reserve Bank of Boston)</td>
<td>Edoardo Rainone (Banca d’Italia)</td>
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<td>15:30 – 16:00</td>
<td>Coffee break</td>
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<td>16:00 – 16:45</td>
<td><strong>Cash usage trends in Japan: Evidence using aggregate and household survey data</strong></td>
<td><strong>The role of cash in the shadow economy</strong></td>
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<td>Hiroshi Fujiki (Chuo University, Japan)</td>
<td>Johana Cabinakova (Deutsche Bundesbank)</td>
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<td>Fabio Knümann (Deutsche Bundesbank)</td>
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<td>17:30 – 18:45</td>
<td>Guided tour of Paulaner Bräuhaus incl. tasting</td>
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<td>19:00 – 21:30</td>
<td>Dinner at Valentinsaal in der Au</td>
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<td>Speaker: Stefan Hardt (Director General Cash Management, Deutsche Bundesbank)</td>
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<td>After dinner Return transfer to Hotel Sofitel / Maritim</td>
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Thursday, 12 September 2019

Session II (continued)
09:00 – 09:45
From cash to choice: Uptake of digital financial services in the Netherlands
Gawain Lynch (Canela)
Erin Taylor (Canela)

09:45 – 10:30
The costs of cash payments in the retail sector
Johana Cabinakova (Deutsche Bundesbank)
Fabio Knümann (Deutsche Bundesbank)

Coffee break

Session III (continued)
09:45 – 10:30
Forecasting euro banknote circulation developments: An empirical analysis
Dieter Gerdesmeier (European Central Bank)
Barbara Roffia (European Central Bank)

Cash abolition to overcome the zero lower bound: A welfare-theoretic analysis
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
Cash use across countries and the demand for central bank digital currency
David Humphrey (Florida State University)
Tanai Khiaonarong (International Monetary Fund)

11:40 – 12:20
The future of cash in a digitized economy
Hanno Beck (Pforzheim University)
Aloys Prinz (University of Münster)

12:20 – 12:50
Neurometrics applied to banknote and security features design
Fernando Leon (Banco de España)

12:50 – 13:10
Concluding remarks
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

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