17th Payment and Settlement System Simulation Seminar

29–30 August, 2019
Bank of Finland
Rauhankatu 19, Auditorium, Helsinki

PSS
BOF-PSS2

Day 1, Thursday 29 August

8:30–9:00	Registration

Chair: Kari Kemppainen, Bank of Finland

9:00–9:10 — **Seminar opening**
Tuomas Välimäki, Member of the Board, Bank of Finland

9:10–9:50 — **Keynote: Modernizing Payments Research: Using Machine Learning and Panel Methods to Help Design Wholesale Payments**
James Chapman, Bank of Canada

9:50–10:30 — **Joint Determination of Counterparty and Liquidity Risk in Payment Systems**
Jorge Cruz Lopez, FNA and University of Western Ontario
Discussant: Marios Gravanis, European Central Bank

10:30–10:45	Refreshments

10:45–11:25 — **Unsupervised Anomaly Detection for Payment Systems at Transaction Level**
Eduard Betz and Ioana Duca-Radu, European Central Bank
Discussant: Anneke Kosse, Bank of Canada

11:25–12:05 — **Assessing Financial Market Infrastructures with Neural Networks: An Application to the Canadian Automated Clearing and Settlement System (ACSS)**
Leonard Sabetti, Payments Canada
Discussant: Timothy Aerts, De Nederlandsche Bank

12:05–13:20	Group photo and lunch

Chair: Kasperi Korpinen, Bank of Finland

13:20–14:00 — **Stable, Changing or Fragile? Assessing the Stability of Payment Profiles**
Marc Glowka and Alexander Müller, Deutsche Bundesbank
Discussant: Thomas Nilsson, Danmarks Nationalbank

14:00–14:40 — **What Kind of Payments Settle in a Real Time Gross Settlement System? The Case of Norges Bank's Settlement System (NBO)**
Lyndsie Smith and Mats-Bay Fevolden, Norges Bank
Discussant: Jan Paulick, Deutsche Bundesbank

14:40–15:00	Refreshments

15:00–15:40 — **An Economic Perspective on Payment Migration**
Anneke Kosse and Zhentong Lu, Bank of Canada
Discussant: Alessandro Pioli, European Central Bank

15:40–16:20 — **Payment Choice Using Big Data: New York Taxis**
Krzysztof Wozniak, Federal Reserve Board
Discussant: Alistair Milne, Loughborough University

Social Event

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Day 2, Friday 30 August

	Chair: Matti Hellqvist, Bank of Finland
9:00–9:40	**SORBNET2 Stress-Testing and Oversight** *Mateusz Dzicher, Narodowy Bank Polski* *Discussant: Sara Testi, European Central Bank*
9:40–10:20	**Monitoring Intraday Liquidity Risk in High-Value Payment Systems** *Fuchun Li, Payments Canada* *Discussant: Darren Chamberlain, South African Reserve Bank*
10:20–10:40	**Refreshments**
10:40–11:20	**Detecting Community Critical Participants in Payment Networks: an Application to TARGET2** *Francesco Vacirca, European Central Bank* *Discussant: Krzysztof Wozniak, Federal Reserve Board*
11:20–12:00	**Interconnectedness in the Global Clearing Network** *Kimmo Soramäki, FNA* *Discussant: Pablo Rovira Kaltwasser, National Bank of Belgium*
12:00–12:40	**Descriptive Analysis of the Client Clearing Network in the OTC Derivatives Market in the Euro Area** *Argyris Kahros, European Central Bank* *Discussant: Hanna Westman, Financial Stability Authority*
12:40–13:40	**Lunch**
	Chair: Tatu Laine, Bank of Finland
13:40–14:20	**Payment system simulation to support LSM design** *Andrei Pustelnikov, Bank of England* *Discussant: Matti Hellqvist, Bank of Finland*
14:20–15:00	**Settlement liquidity in SIC** *Flurina Strasser, Swiss National Bank* *Discussant: Marc Glowka, Deutsche Bundesbank*
15:00–15:15	**Discussion and remarks** Seminar closing