



2019 RiskLab/BoF/ESRB Conference on Systemic Risk Analytics 23–24 May 2019

Bank of Finland, Auditorium, Rauhankatu 19, Helsinki, Finland

Day 1, Thursday 23 May 2019

8:30–9:00 *Registration & coffee*

9:00–9:15 **Conference opening: Marja Nykänen** (Deputy Governor, Bank of Finland)

9:15–10:15 **Keynote: Bank resolution in practice - empirical evidence**
Thorsten Beck (Professor of Banking and Finance, Cass Business School, London)

10:15–11:15 **Session 1 – Shadow banking & market microstructure**
Chair: Kaj-Mikael Björk (RiskLab at Arcada & Hanken School of Economics)

What Drives Repo Haircuts? Evidence from the UK Market
Karamfil Todorov (London School of Economics and Political Science)
co-authors: Christian Julliard, Kathy Yuan, Seyed E. Seyedan (LSE), Zijun Liu (Bank of England)

Securitisation special purpose entities, bank sponsors and derivatives
Neill Killeen (Central Bank of Ireland)
co-author: Pawel Fiedor (Central Bank of Ireland)

11:15–11:45 *Refreshments*

11:45–13:15 **Session 2 – Modelling**
Chair: Helinä Laakkonen (Bank of Finland)

ModelFlow, a Toolset to solve and manage models
Ib Hansen (European Central Bank)

Predicting Distresses using Deep Learning of Text Segments in Annual Reports
Rastin Matin (Danmarks Nationalbank)
co-authors: Casper Hansen, Christian Hansen (University of Copenhagen), Pia Mølgaard (Danmarks Nationalbank)

Reverse Stress Testing
Eric Schaanning (ESRB Secretariat)
co-author: Michel Baes (RiskLab, ETH Zurich, Department of Mathematics)

13:15–14:15 *Lunch*

14:15–15:15 **Keynote: Future AI is Creative**
Risto Miikkulainen (Professor of Computer Science, University of Texas at Austin)

15:15–15:45 *Refreshments*

15:45–17:45 **Session 3 – Macrofinancial linkages & growth at risk**
Chair: Esa Jokivuolle (Bank of Finland)

Macroprudential policy spillovers and international banking – Taking the gravity approach
Anni Norring (Bank of Finland)

Managing GDP Tail Risk
Thibaut Duprey (Bank of Canada)
co-author: Alexander Ueberfeldt (Bank of Canada)

Macroeconomic Overheating and Financial Vulnerability
Seung Jung Lee (Federal Reserve Board)
co-authors: Elena Afanasyeva, Michele Modugno, Francisco Palomino (Federal Reserve Board)

It Takes More than Two to Tango: Understanding the Dynamics behind Multiple Bank Lending
Noam Michelson (Bank of Israel)
co-author: Konstantin Kosenko (Bank of Israel)



Day 2, Friday 24 May 2019

8:30–9:00 *Registration & coffee*

9:00–10:30 **Session 4 – Derivatives**

Chair: Katja Taipalus (Bank of Finland)

Simulating liquidity stress in the derivatives market

Marco Bardoscia (Bank of England)

co-authors: Gerardo Ferrara, Nicholas Vause, Michael Yoganayagam (Bank of England)

Insurers' use of derivatives: too low?

Linda Fache Rousová (European Central Bank)

co-author: Elisa Letizia (European Central Bank)

Interdependencies in central clearing in the EU derivatives markets

Sarah Lapschies (ESRB Secretariat)

co-authors: Yanis El-Omari (ESMA), Pawel Fiedor (Central Bank of Ireland), Eric Schaanning (ESRB Secretariat), Moritz Seidel (Deutsche Bundesbank), Francesco Vacirca (European Central Bank)

10.30–11:00 *Refreshments*

11:00–12:00 **Keynote: The impacts of structural economic changes on monetary and macroprudential policies**

Olli Rehn (Governor, Bank of Finland)

12:00–13:00 *Lunch*

13:00–14:00 **Session 5 – Market microstructure**

Chair: Tuomas Peltonen (ESRB Secretariat)

The October 2016 sterling flash crash

Joseph Noss (Financial Stability Board and Bank of England)

co-author: Lucas Pedace (Bank of England)

Market makers and primary dealers as liquidity providers in the sovereign CDS market

Francesca Daniela Lenoci (European Central Bank)

co-author: Lorenzo Cappelletto, Christian Weistroffer (European Central Bank)

14:00–15:00 **Session 6 – Detecting excessive credit growth**

Chair: Tuomas Peltonen (ESRB Secretariat)

Modelling the credit gap: A stochastic volatility approach

Sofia Velasco (Central Bank of Ireland)

co-author: Martin O'Brien (Central Bank of Ireland)

Mind the Basel Gap

Matthijs Lof and **Petri Jylhä** (Aalto University School of Business)

15:00 *Closing remarks*