2018 RiskLab/BoF/ESRB Conference on Systemic Risk Analytics

28–30 May 2018

Bank of Finland
Auditorium, Rauhankatu 19, Helsinki, Finland

Workshop, Monday 28 May 2018

13:00–13:30 Registration & coffee

13:30–15:00 **Opening remarks: Katja Taipalus** (Head of Financial Stability and Statistics, Bank of Finland)

Workshop – Session 1
Chair: Kaj-Mikael Björk (Arcada university of Applied Sciences)

Lending standards and output growth
Divya Kirti *(International Monetary Fund)*

LTV Limit and Borrower Risk
Nitzan Tzur-Ilan *(Bank of Israel and Hebrew University)*

Investment strategies of euro area insurers and pension funds: Pro- or counter-cyclical?
Margherita Giuzio *(European Central Bank)*
co-author: Linda Fache Rousová

15:00–15:20 **FSB work on vulnerabilities assessment**
Jon Frost (Financial Stability Board)

15:20–15:45 Refreshments

Chair: Peter Sarlin (RiskLab at Arcada & Hanken School of Economics)

15:45–16:00 **Cleveland Fed Systemic Risk Indicator**
Simon Kwan (Federal Reserve Bank of San Francisco)

16:00–17:30 **Workshop – Session 2**

Backtesting Marginal Expected Shortfall and Related Systemic Risk Measures
Jérémy Leymarie *(University of Orléans)*
co-authors: Denisa Banulescu, Christophe Hurlin, Olivier Scaillet

Identification and assessment of systemic risks in financial networks: Modelling fire sales from regulatory cliff effects
Graeme Cokayne *(Danmarks Nationalbank)*
co-author: Andreas Brøgger

Financial Bridges and Network Communities
Erdem Yenerdag *(Washington University in St. Louis)*
co-authors: Roberto Casarin, Michele Costola

Evening Get-together

Conference Day 1, Tuesday 29 May 2018

8:30–9:00 Registration & coffee

9:00–9:15 **Conference opening: Marja Nykänen** (Member of the Board, Bank of Finland)

9:15–10:15 **Keynote: How regulation and macroprudential policies should respond to changes in the financial landscape?**
Erkki Liikanen (Governor, Bank of Finland)

10:15–10:45 Refreshments

10:45–12:45 **Session 1 – Derivative markets, CCPs and post-trade operations**
Chair: Katja Taipalus (Bank of Finland)

Clearinghouse-Five: Determinants of voluntary clearing in European derivatives markets
Pawel Fiedor *(Central Bank of Ireland)*

The Demand for Central Clearing: To Clear or Not to Clear, That is the Question
Mario Bellia *(Research Center SAFE, Goethe University Frankfurt)*
co-authors: Roberto Panzica, Loriana Pelizzon, Tuomas Peltonen

Multiplex network analysis of the UK OTC derivatives market
Marco Bardoscia *(Bank of England)*
co-authors: Ginestra Bianconi, Gerardo Ferrara

A Macroprudential View on Portfolio Compression
Marco D'Errico *(European Systemic Risk Board)*
co-authors: Tuomas Peltonen, Tarik Roukny

12:45–14:00 Lunch

14:00–15:00 **Keynote: Post-Crisis Bank Regulations and Financial Market Liquidity**
Darrell Duffie (Professor, Stanford University's Graduate School of Business)

15:00–15:30 Refreshments

15:30–17:30 **Session 2 – Fire sales, liquidity and systemic risk**
Chair: Tuomas Peltonen (ESRB)

Taking regulation seriously: Fire sales under solvency and liquidity constraints
Caterina Lepore *(Bank of England)*
co-authors: Jamie Coen, Eric Schaanning

Can Swing Pricing Prevent Mutual Fund Runs and Failures?
Marko Weber *(Columbia University)*
co-authors: Agostino Capponi, Paul Glasserman

Monitoring Indirect Contagion
Eric Schaanning *(ETH Zurich and Norges Bank)*
co-author: Rama Cont

Do interbank markets price systemic risk?
Christoph Siebenbrunner *(University of Oxford)*
co-author: Michael Sigmund

Conference Day 2, Wednesday 30 May 2018

8:30–9:00 Registration & coffee

9:00–10:30 **Session 3 – Market and funding liquidity**
Chair: Esa Jokivuolle (Bank of Finland)

Illiquidity Spirals in Coupled Over-the-Counter Markets
Co-Pierre Georg *(Deutsche Bundesbank, University of Cape Town)*
co-authors: Christoph Aymanns, Benjamin Golub

Fire-sale channels, portfolio overlap networks and the credit spread puzzle
Dieter Wang *(Vrije Universiteit Amsterdam, De Nederlandsche Bank)*
co-authors: Julia Schaumburg, Iman van Lelyveld

Agent-based model of system-wide implications of funding risk
Grzegorz Hałaj *(European Central Bank, Bank of Canada)*

10:30–11:15 Refreshments & poster session

Posters:

Fragility and Inefficient Fire Sales in Decentralized Asset Markets
Ehsan Ebrahimy *(International Monetary Fund)*

Multilayer Aggregation with Statistical Validation: Application to Investor Networks
Kestutis Baltakys *(Tampere University of Technology)*
co-authors: Juho Kanniainen, Frank Emmert-Streib

An Anatomy of the euro area Interest Rate Swap Market
Martin Scheicher *(European Central Bank)*
co-authors: Silvia Dalla Fontana, Marco Holz auf der Heide, Loriana Pelizzon

11:15–12:15 **Session 4 – Stress testing**
Chair: Helinä Laakkonen (Bank of Finland)

Modeling your stress away
Viktors Stebunovs *(Federal Reserve Board)*
co-author: Friederike Niepmann

Reconstructing and Stress Testing Credit Networks
Amanah Ramadiah *(University College London)*
co-authors: Fabio Caccioli, Daniel Fricke

12:15–13:30 Lunch

13:30–14:30 **Keynote: Fintech, Blockchain and Crypto Assets**
Andrei Kirilenko (Director, Centre for Global Finance and Technology at the Imperial College Business School)

14:30–15:30 **Session 5 – CDS market and systemic risk**
Chair: Paavo Miettinen (Bank of Finland)

Crises in the modern financial ecosystem
Giovanni di Iasio *(European Central Bank)*
co-author: Zoltan Pozsar

Disastrous Defaults
Sarah Mouabbi *(Banque de France)*
co-authors: Christian Gouriéroux, Alain Monfort, Jean-Paul Renne

15:30 Closing remarks, networking & refreshments

16:30 End of conference