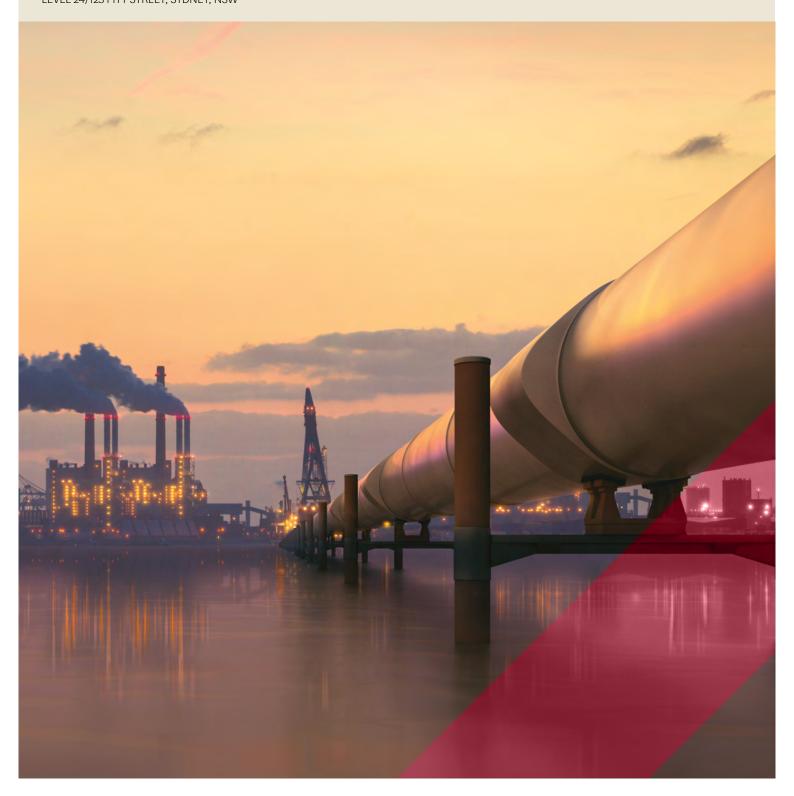
CENTRE FOR FINANCIAL RISK Faculty of Business and Economics



3rd Australasian Commodity Markets Conference

PROGRAM

4-5 APRIL 2019 MACQUARIE UNIVERSITY CITY CAMPUSLEVEL 24/123 PITT STREET, SYDNEY, NSW



DAY ONE THURSDAY 4 APRIL

THURSDAY 4 APRIL						
8.30am	Registration					
9am	Welcome					
9.10am - 10.40am	Keynote and plenary session					
9.10am - 10.10am	Keynote: A Financial-Economics Approach to Forecasting Crude-Oil Spot Prices Speaker: Professor Ehud Ronn, University of Texas at Austin					
10.10am - 10.40am	Development of the CSIRO Climate Analysis Forecasting Ensemble System for the Prediction of the Climate over Decadal Timescales Speaker: Dr Richard Matear, CSIRO					
10.40am - 11am	Morning tea					
	SESSION 1: Momentum in Commodity Markets Chair: John Fan	SESSION 2: Renewable End Batteries Chair: Juri Hinz	ergy and	SESSION 3: Interaction and Spillovers Chair: Peter Exterkate		
11am - 11.45am	Speaker: Chardin Wese Title: Curve Momentum Discussant: Robert Bianchi	Speaker: Rohan Best Title: Capital impacts on Australian small-scale solar installations Discussant: Piyachat Leelasilapasart		Speaker: Ravipa Rojasavachai Title: The interaction between stock market returns, exchange rates, local and global oil price shocks Discussant: Andrew Vivian		
11.45am - 12.30pm	Speaker: Robert Bianchi Title: Commodity Futures Momentum: Economic Risks or Behavioural Bias? Discussant: Chardin Wese	Speaker: Piyachat Leelasilapasart Title: Optimal Integration of Renewables and Battery Energy Storage Systems Discussant: Rohan Best		Speaker: Andrew Vivian Title: The Dynamic Spillovers across Carbon, Energy and Financial Markets: A Spillover Index Approach Discussant: Ravipa Rojasavachai		
12.30pm - 1.30pm	Lunch					
	SESSION 4: Climate Risk Exposed Investments Chair: Lurion DeMello Chair: Rohan Best			Bubbles and Oil Price Shocks		
1.30pm - 2.20pm	Speaker: Vassili Kitsios, CSIRO Title: Idealised demonstration on the utility of the CSIRO climate analysis forecast ensemble system for decision making on climate risk exposed investments Speaker: Jan Wollmann Title: A mathematical model of the carbon bubble Speaker: Christoph Funk Title: Oil Price Shocks and the Cost of Debt in the Oil Indu Empirical Analysis					
	SESSION 6: Commodity Trading Strategies Chair: Ke Tang	SESSION 7: Ownership and Chair: Lurion De Mello	d Markets	SESSION 8: Electricity Markets Chair: Abhay Singh		
2.30pm - 3.15pm	Speaker: John Fan Title: Speculative Pressure Discussant: Duminda Kuruppuarachchi	Speaker: Sami Aoude Title: Vertical Integration of Retail: Foreclosure in the Ele Market Discussant: Bin Li		Speaker: Peter Exterkate Title: A regime-switching stochastic volatility model for forecasting electricity prices Discussant: Guan Yan		
3.15pm - 4pm	Speaker: Duminda Kuruppuarachchi Title: Futures Spread Trading in Australian Commodities: Efficiency and Symmetry Discussant: Marcel Rothenberger	Speaker: Bin Li Title: Ownership, capital structure and performance: Evidence from the global water industry Discussant: Sami Aoude		Speaker: Guan Yan Title: Network Dynamics and the Predictive Power of Interconnectedness Measures for Electricity Markets Discussant: Peter Exterkate		
4pm - 4.3opm	Afternoon tea					
	SESSION 9: Commodity Price Behaviour Chair: Stephane Goutte	SESSION 10: Exploration an Chair: Pavel Shevchenko	d Securitisation	SESSION 11: Volatility and Correlation Chair: Thai-Ha Le		
4.30pm - 5.15pm	Speaker: Robert Bianchi Title: Long-Run Reversal in Commodity Returns: Insights from Seven Centuries of Evidence Discussant: Yulia Veld-Merkoulova	Speaker: Alexander Novikov Title: Commodity risk reduction by predictive modeling at exploration stage Discussant: Pavel Shevchenko		Speaker: Akihiro Omura Title: Does national gas consumption affect Bitcoin volatility: Evidence from HAR-RV model Discussant: Sm Rajibur Reza		
5.15pm-6pm	Speaker: Yulia Veld-Merkoulova Title: Predictive Abilities of Speculators in Energy Markets Discussant: Marcel Prokopczuk	Speaker: Stephen James Title: Power Purchase Agreements and Solar Securitisation: Modelling Risk Factors and Returns Discussant: Alexander Novikov		Speaker: Sm Rajibur Reza Title: An Investigation of Water Investment Markets in Asia: Implications for Diversification Using DCC-GARCH Model Discussant: Akihiro Omura		
7pm - 9.3opm	Conference Dinner: Little Snail Restaurar 50 Murray St, Pyrmont	nt and Bar				

DAY TWO

FRIDAY 5 APRIL

9.30am - 11am	Plenary session					
9.30am - 10am	The changing nature of electricity demand and implications for the future electricity generation mix Speaker: Alan Rai, Australian Energy Markets Commission					
10am - 10.30am	Machine Learning, real-time estimation and other essential applications to the water sector Speaker: Theo Gazos, Predictive Analytics Group					
10.30am - 11am	Tight Belt and Bumpy Road for Commodities? The China Factor Speaker: Clyde Russell, Reuters					
11am - 11.30am	Morning tea					
	SESSION 12: Market Behaviour Chair: Ehud Ronn	SESSION 13: Emissions in the Electricity Sector Chair: Stefan Trueck	SESSION 14: Volatility and Mutual Fund Performance Chair: Abhay Singh			
11.30am - 12.15pm	Speaker: Christina Nikitopoulos Title: An anatomy of the volatility term structure in crude oil futures markets Discussant: Yubo Tao	Speaker: Fatemeh Nazifi Title: Emission Intensities in the Australian National Electricity Market – An Econometric Analysis Discussant: Sami Aoude	Speaker: Andrew Vivian Title: The Impact of Oil Market Volatility on Mutual Fund Performance in Saudi Arabia Discussant: Christoph Funk			
12.15pm – 1pm	Speaker: Yubo Tao Title: Financialisation and Commodity Market Serial Dependence Discussant: Christina Nikitopoulos	Speaker: Ming Wei Title: CO2 Emissions from Electricity Generation in Australia – A Decomposition Analysis Discussant: Fatemeh Nazifi				
1pm - 2pm	Lunch					
	SESSION 15: Uncertainty and Risk Premiums in Commodity Markets Chair: Marcel Prokopczuk	SESSION 16: Mathematical Models Chair: Yulia Veld-Merkoulova	SESSION 17: Non-linear and asymmetric effects on price behaviour Chair: Chardin Wese			
2pm - 2.45pm	Speaker: Ke Tang Title: Political Uncertainty and Commodity Markets Discussant: Stephane Goutte	Speaker: Juri Hinz Title: Variables reduction in sequential resource allocation problems Discussant: Kim-Leng Tan	Speaker: Thai-Ha Le Title: Oil price fluctuations and energy commodity prices: An analysis of asymmetric effects Discussant: Long Vo			
2.45pm - 3.30pm	Speaker: Stephane Goutte Title: Commodities risk premia and regional integration in gas-exporting countries Discussant: Ke Tang	Speaker: Kim-Leng Tan Title: Multifractality and Market Efficiency of Energy Spot and Futures Discussant: Juri Hinz	Speaker: Long Vo Title: Why don't agricultural prices always adjust towards parity? Discussant: Thai-Ha Le			



3.30pm

CONFERENCE CHAIRS

• Lurion De Mello

Conference concludes

- Stefan Trueck
- Abhay Singh
- Pavel Shevchenko



The 3rd Australasian Commodity Markets Conference is sponsored by:

GOLD SILVER BRONZE







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The Risk Analytics Lab at Macquarie University is a cross-disciplinary research team collaborating with academia and industry on innovative risk analytics solutions across several domains: demography, economics, energy, environmental finance, finance, insurance and superannuation. It was established by the Department of Applied Finance and Actuarial Studies at Macquarie University in 2016 with the following objectives:

- Develop and apply innovative risk analytics solutions through fundamental research and industry-linked projects
- Facilitate knowledge exchange between academia, industry and policymakers
- Strengthen and promote the connection between fundamental research and industry practice.

OUR MAIN RESEARCH AREAS

- Claims reserving in insurance
- Energy and commodity markets
- · Financial derivatives
- Mortality modelling
- Operational risk, credit risk, market risk
- · Portfolio optimisation
- Retirement income products

For more information, visit the Risk Analytics Lab website mq.edu.au/research/risk-lab

If you are interested in joining the lab or in collaboration opportunities on industry or research projects, contact Lab Director

Professor Pavel Shevchenko, email: pavel.shevchenko@mq.edu.au

Centre for Financial Risk

The Centre for Financial Risk was established in 2010 in the Faculty of Business and Economics at Macquarie University. Researchers at the centre investigate uncertainty in capital markets. We examine the spectrum of financial risks faced at all levels of the economy. We collaborate with industry, regulators, governments and leading overseas universities to ensure research outcomes are robust, realistic and relevant. We offer optimal value to our research partners through our pragmatic, commercially aware and creative approach.

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- · The exchange of ideas
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Professor Jeffrey Sheen, Professor Pavel Shevchenko and Professor Stefan Trueck are co-directors of the Centre for Financial Risk.

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