

**CENTRE FOR
RISK ANALYTICS**

**CENTRE FOR
TRANSFORMING
ENERGY MARKETS**



MACQUARIE
University
BUSINESS SCHOOL
SYDNEY · AUSTRALIA

Financial Risk Day 2023

Energy Transition: Risks and Opportunities

Friday 20 October 2023

Macquarie University City Campus, Sydney



FINANCIAL RISK DAY 2023 Energy Transition: Risks and Opportunities

PROGRAM AND SPEAKERS

8.45am – 9.15am	Registration
9.15am – 9.30am	Opening and welcome Professor Pavel Shevchenko, Professor Jeffrey Sheen, Professor Stefan Trueck Co-Directors of the Centre for Financial Risk
9.30am – 10.15am	Session 1 Speaker: Tim Jordan (Commissioner, Australian Energy Markets Commission) Title: <i>Getting the market settings right for a high-renewables electricity market: Managing price and reliability risk</i>
10.15am – 11.00am	Speaker: Cameron Kelly (General Counsel, Australian Renewable Energy Agency) Title: <i>Financing the Energy Transition: Making Green Hydrogen Projects Bankable</i>
11.00am – 11.20am	Morning tea
11.20am – 12pm	Session 2 MQ Transforming Energy Markets Project Showcase I Madeline Taylor, Stefan Trueck
12pm – 12.40pm	Panel discussion: Energy Transition: Risks and Opportunities Moderator: David Orsmond, Professor of Economics, Macquarie University Participants: Tim Buckley, Tim Jordan, Cameron Kelly, Tina Soliman-Hunter
12.40pm – 1.30pm	Lunch
1.30pm – 2.10pm	Session 3 Speaker: Christian Zuur (Director of Energy Transformation, Clean Energy Council) Title: <i>It all began in South Australia, 28 September 2016: Lessons in market design, learned the hard way</i>
2.10pm – 2.50pm	MQ Transforming Energy Markets Project Showcase II Rohan Best, Tina Soliman Hunter
2.50pm – 3.10pm	Afternoon tea
3.10pm – 3.50pm	Session 4 Speaker: Blair Palese (Founder, Climate and Capital Forum) Title: <i>An Australian Response to the US Inflation Reduction Act</i>
3.50pm – 4.30pm	Speaker: Cameron O'Reilly (Associate Director, Marsden Jacob Associates) Title: <i>A case study of the risks and opportunities of the energy transition in NSW: Managing the distributional impacts</i>
4.30pm – 4.35pm	Closing remarks
4.35pm – 5.30pm	Cocktail reception

Financial Risk Day 2023	
Date	Friday 20 October 2023
Venue	Macquarie University City Campus Level 24, 123 Pitt Street Angel Place Sydney CBD
Time	8.45am – 9.15am: Registration 9.15am – 4.30pm: Program 4.30pm – 5.30pm: Cocktail reception
Cost	\$145 (including GST) per person



FINANCIAL RISK DAY 2023

The Centre for Risk Analytics in the Macquarie Business School will host its 12th annual Financial Risk Day on 20 October 2023 to discuss impacts of energy transitions on the economy, as well as on the energy sector and financial industry. The conference will be co-hosted by Macquarie University's Transforming Energy Markets Research Centre.

The de-carbonisation of the economy involves significant changes to the current structure of energy markets, the creation and design of new markets for carbon credit units, and the integration of new energy sources, such as hydrogen, into these markets. This has significant implications for the energy industry, but also the financial sector and entire economy. While the energy transition poses significant risks to incumbents, it also provides many opportunities for investment into new technologies, as well as the creation of new financial products and markets.

OUR SPEAKERS

This one-day conference - with a strong line-up of outstanding speakers - brings together experts from industry, academia and regulators to discuss and analyse risks and opportunities related to the energy transition.

REASONS TO ATTEND

The 2023 Financial Risk Day will examine risks, opportunities and solutions for the transition of energy markets and the de-carbonisation of the economy. Experts from industry, regulation and academia will discuss existing and new ideas on how to facilitate a smooth transition, the impacts of the transition on energy markets, financial institutions, and the economy as a whole.

WHO SHOULD ATTEND

- Energy Analysts
- Energy Market Experts
- Risk Managers
- Consultants
- Finance Experts
- Energy Traders
- Experts on Renewables
- Regulators
- Policy Analysts
- Researchers in Energy Markets

CENTRE FOR RISK ANALYTICS

The Centre for Risk Analytics investigates uncertainty in capital markets. Our researchers examine the spectrum of financial risks faced at all levels of the economy.

We collaborate with industry, regulators, governments and leading universities overseas 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.

The nature and management of financial risks are investigated by a team of leading interdisciplinary researchers with expertise in financial economics, econometrics and innovative modelling approaches.

The Centre for Risk Analytics promotes:

- the exchange of ideas
- pioneering research
- solutions to real-world problems
- a comprehensive program of workshops, seminars and masterclasses.

Professor Jeffrey Sheen, Professor Pavel Shevchenko, Professor Stefan Trueck are co-directors of the Centre for Risk Analytics.

OUR RESEARCH FOCUS

- Banking, finance and asset pricing
- Behavioural economics and financial literacy
- Climatic change and catastrophic risks
- Complex industry and corporate issues
- Energy and utility markets
- Insurance and risk analysis
- International and domestic issues
- Regulation and government policy
- Superannuation

For more information, visit:

www.mq.edu.au/research/centre-for-risk-analytics

TRANSFORMING ENERGY MARKETS RESEARCH CENTRE, MACQUARIE UNIVERSITY

MISSION STATEMENT

For energy market stakeholders and decision makers, the Transforming Energy Markets Research Centre promotes world-leading interdisciplinary research that facilitates the smooth transition of existing, evolving and new energy markets to a decarbonized future.

ABOUT US

We're all about the redesign of the entire energy system. From the current structure of wholesale electricity markets, through to the creation and design of new markets and the integration of new energy sources and technologies, CETM research will light the path forward.

Drawing on interdisciplinary expertise in economics and finance, engineering, and law, CETM will investigate and illuminate options for change for energy market stakeholders and decision-makers as we address one of society's greatest challenges.

From the inclusion of carbon credit units to the integration of new energy sources and technologies, such as hydrogen or the use of smart meters and distributed energy systems, energy markets will undergo rapid transformation as the economy decarbonises.

CETM promotes interdisciplinary research on energy markets design, analytics, regulation, and innovation.

For more information, contact us: tem@mq.edu.au



UPCOMING EVENT FOR THE 6TH AUSTRALASIAN COMMODITY MARKETS CONFERENCE HOSTED BY THE TRANSFORMING ENERGY MARKETS RESEARCH CENTRE APRIL 2024

The Macquarie University conference will present and discuss high-quality research in all areas of economics and finance relating to commodity markets, with an emphasis on – but not limited to – the Australasian aspects of commodity markets and energy risk.

- Pricing, hedging and risk analysis of commodity derivatives and derivatives portfolios
- Renewable energy and the transition of electricity markets
- Portfolio allocation/optimisation including commodities
- Commodity trading strategies
- Financialisation of commodity markets
- LNG, coal and energy markets
- Econometric and statistical analysis of commodity markets
- Commodity markets decision-making
- Real option analysis for commodity investments
- Carbon bubble and stranded assets
- Financial market analysis (eg risk factor models) for commodity markets
- Energy pricing issues in Australia and Asia
- Carbon pricing and emissions trading
- Weather derivatives, agricultural and other commodity markets
- Climate impacts on commodity markets
- Climate finance and economics
- Financial technology in energy generation and delivery

For more information, visit: www.mq.edu.au/research/centre-for-risk-analytics or contact us on: tem@mq.edu.au

FIND OUT MORE

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