

The 9th ISETS Energy Transition Forum

Improving the resilience of Asia's clean technology supply chain:

How a closer Australia-China cooperation can help?

Organizers

Australia-China Relations Institute, University of Technology Sydney

International Society for Energy Transition Studies

Co-Organiser

Energy Studies Institute, National University of Singapore

Time: February 23, 2023 (Thursday), 13:00 – 15:00 (AEST Daylight Saving)/10:00 -12:00 (Singapore Time)

Venue: ACRI Office and Zoom Video Conference

Meeting ID:

<https://utsmeet.zoom.us/j/7399176238?pwd=NWxOVXdjQXc4Sm9ud1Z1enpIRzFNZz09>

Alternatively:

Meeting ID: <https://zoom.uts.edu.au/j/7399176238>

Passcode: ISETS2023

1. Introduction

As key players in the global energy and climate change landscape, China, Australia and ASEAN countries have the potential to drive the transition to a greener future. With a focus on emissions reduction and decarbonization, this seminar will explore the opportunities and challenges facing these countries as they work towards a common goal.

China, Australia and ASEAN countries have complementary relationships in the global value chain of clean energy transition. Australia is a leading producer of minerals critical for clean energy development, while China is a global powerhouse for many clean technology products. ASEAN countries, as neighbours of both Australia and China, have a unique role to play in the supply chain of clean energy transition.

This seminar, organized by the Australia-China Relations Institute of University of Technology Sydney, the International Society for Energy Transition Studies and the Energy Studies Institute of National University of Singapore, will bring together experts to examine the benefits and impact of closer cooperation between these countries in the clean energy supply chain. From the challenges facing each country in achieving their decarbonization targets, to the opportunities for collaboration on the global stage, this seminar will provide a comprehensive look at the future of clean energy in Asia.

Don't miss this chance to learn about the complementary relationships between China, Australia and ASEAN countries in the global value chain of clean energy transition and the role that closer cooperation can play in accelerating the energy transition. Join us for a thought-provoking and insightful discussion on the future of clean energy in Asia!

2. Agenda

Time	Content
13:00	Host Opening Dr. Shi Xunpeng, Professor at the Australia-China Relations Institute, UTS; President, ISETS
13:05 – 13:20	Topic: Complementarities and vulnerabilities in the supply chain of clean energy transition between Australia and China Speaker: Dr. Marina Zhang, Associate professor at the Australia-China Relations Institute, University of Technology Sydney
13:20 – 13:35	Topic: Australia-China Net Zero faster, together - Re-framing Supply Chain Risk Speaker: Mr Anthony Coles, Chair, Net Zero Working Group, Australia-China Business Council (ACBC)
13:35 – 13:50	Topic: RCEP Tech Innovation and cooperation chance Speaker: Ms. Ravenna Chen, APAC Regional CEO, TurStar
13:50 – 14:05	Topic: Low-carbon supply chain in ASEAN Speaker: Mr. Beni Suryadi, Manager at ASEAN Centre for Energy
14:05 – 14:15	Coffee break
14:15 – 15:00	Group discussion: Dr. Shi Xunpeng, Dr. Marina Zhang, Mr Anthony Coles, Ms. Ravenna Chen, Mr. Beni Suryadi, Dr. Yang Muiyi, Dr. Yao Lixia.

About the Co-Organisers

Australia-China Relations Institute, University of Technology Sydney (UTS:ACRI).

UTS:ACRI is an independent, non-partisan research institute established in 2014 by the University of Technology Sydney. UTS:ACRI seeks to inform Australia's engagement with China through research, analysis and dialogue grounded in scholarly rigour.

International Society for Energy Transition Studies (ISETS).

The ISETS is a worldwide non-profit professional organization based in Australia, which has members in over 50 nations and many international organizations. ISETS aims to facilitate an equitable and inclusive transition of energy and relevant sectors toward a sustainable low-carbon future with consideration of economic development, social equity, and environmental stewardship through international partnerships.

Energy Studies Institute (ESI), National University of Singapore

ESI is a leading institute for strategic research and a global thought leader in energy policy. ESI conducts research on energy policies and their national, regional and global implications, and promotes discussion and advance collective understanding on issues related to energy policy development. It also provides accurate data and up-to-date information for analysts and policy-makers to make realistic and sound judgement on energy trends.

Participants

Prof. Xunpeng Shi, Research Principal, Australia-China Relations Institute, UTS.

Prof. **Xunpeng (Roc) Shi** is a Professor of Energy and Environmental Economics and Research Principal at the Australia-China Relations Institute, University of Technology Sydney, President of the International Society for Energy Transition Studies (ISETS), and a Council Member (President, 2016-2018) of the Chinese Economics Society Australia (CESA). He serves as a *Specialty Chief Editor of Frontiers in Environmental Economics*, a co-Editor of *Journal of the Asia Pacific Economy* (SSCI), an associate editor of *China and World Economy* (SSCI), *Energy Economics* (SSCI), *Journal of Environmental Economics* (in Chinese), and other editorial roles for more than 10 journals. He is an advisor to Global Gas Center (GGC), APEC Sustainable Energy Center (APSEC), and UN ESCAP and is frequently participating in the United Nations and other international policy debates. He was listed as Australia's [leading researcher](#) in the field of **Environmental** Law and Policy, the top 2% of the world's [top scientists](#) in the energy field, and the top 1% authors in the world's largest database of economists ([RePEc](#)). Previously, he was senior fellow and deputy head at the Energy Studies Institute (ESI), National University of Singapore, chief researcher at the Brunei National Energy Research Institute, and energy economist at the Jakarta-based Economic Research Institute for ASEAN and East Asia and had diverse positions in China's energy sector before 2006. He received LLM from the University of Dundee, MERE and PhD in Economics from the Australian National University.

Associate Professor Marina Zhang, Australia-China Relations Institute, UTS.

Dr Marina Zhang is an Associate Professor – Research at the Australia-China Relations Institute, University of Technology Sydney (UTS:ACRI). Dr Zhang holds a bachelor's degree in biological sciences from Peking University and an MBA and a PhD from the Australian National University. Before joining UTS, she held academic positions at Tsinghua University, UNSW and Swinburne University of Technology. Her research interests cover digital transformation, emerging technologies, and latecomer catch-up in innovation. Specifically, her research investigates innovation in advanced manufacturing, semiconductors, biopharmaceuticals, new energy vehicles, and the global value chain (GVC), exploring their impact on Australia-China relations. Dr Zhang is the author of three books. Her most recent, ***Demystifying China's Innovation Machine: Chaotic Order*** (304pp), with Mark Dodgson, and David Gann, was published by Oxford University Press (2022). The book was endorsed by Lee Howell, Senior Advisor & Former Managing Director, World Economic Forum, and Justin Yifu Lin, Institute of New Structural Economics, Peking University, Former Chief Economist, World Bank.

Mr Anthony Coles, Chair, Net Zero Working Group, Australia-China Business Council (ACBC)

Anthony Coles is a National Board Member with the Australia China Business Council and Chair of their Net Zero Working Group. With 15 years' experience working in renewable energy, originally as CEO with ASX-listed solar power and water company, Solco Ltd, and more recently assisting the commercialisation of CleanTech companies into Asia through TusStar H Lab Australia, Anthony is leading ACBC's new multi-year ***Green Channel*** program, highlighting opportunities for collaboration between Australia and the PRC on solutions addressing the climate challenge. Net Zero faster, together. (acbcgreenchannel.com)

Ms. Ravenna Chen, APAC Regional CEO, TurStar

Ravenna Chen is currently Director of Asia Pacific of Tusstar, CEO of TusStar (Malaysia) /COO of TusStar Singapore/ CEO of TusStar Australia, Vice General Manager of TusCBEC. TusStar is biggest incubator network from China.

Active in the Asian venture capital network, Global Outstanding POWER 100 and Dragon 100, has been elected to the United Nations and the European Parliament Youth Event for many times. Chinese representative at the ASEAN Youth Summit. Indonesia, Malaysia Tourism Ambassador. She has co-founded the cross-border payment and the social beauty platform. Good at incubating science and technology projects, cross-border business implementation and strategic planning. Assist hundreds of science and technology enterprises in cross-border incubation and landing.

Mr. Beni Suryadi, Manager at ASEAN Centre for Energy

Mr. Beni Suryadi is an energy professional with 12+ years of experience in managing programs and conducting research on energy and climate change, supporting the governments of 10 countries in Southeast Asia to build climate-friendly development of the energy sector, and presenting it to the ASEAN Ministers on Energy Meeting (AMEM) annually.

He currently leads energy partnerships with the U.S., Russia, China, India, Norway, and international development agencies, overseeing multimillion projects' portfolios, including the ASEAN Energy and Climate Change Project (ACCEPT); the first integrated official project that addressed the regional emissions reduction from the energy sector, endorsed by the ASEAN Ministers on Energy, and the ASEAN Interconnection Masterplan Study (AIMS) III; the regional blueprint for electricity interconnection in the region under the ASEAN Power Grid (APG).

Mr Suryadi is a Non-Resident Fellow at The Energy for Growth, Washington, D.C. United States of America and is a part of the steering committee of Global

Consortium on Power System Transformation (G-PST), a core member of Green Grid Initiative Asia-Pacific Working Group, Advisory Board of AGENCE FRANÇAISE DE DÉVELOPPEMENT (AFD) Indonesia, and former Sustainability Advisory Council of PT Aplikasi Karya Anak Bangsa (GO-JEK).

Dr. Muyi Yang, Senior Electricity Policy Analyst, Asia at Ember Climate

Dr. Muyi Yang is a Senior Electricity Policy Analyst at Ember, a London-based energy and climate think tank. He is also a Senior Research Fellow at the Centre for Global Challenges in the Asian Institute of Technology (AIT) and an Adjunct Fellow at the Australia-China Relations Institute (ACRI) in the University of Technology Sydney. His research is policy-oriented, focused on issues related to low-carbon energy transition. Such issues include, market and regulatory reforms, coal phase-out, renewable uptake, regional power connectivity, transport electrification, political economy, and energy governance. His research mainly focuses on China, Southeast Asia, and Oceania.

Dr. Yao Lixia, Senior Research Fellow at Energy Studies Institute, National University of Singapore

Dr. Yao Lixia joined ESI in October 2013. She did her PhD at the S. Rajaratnam School of International Studies, Nanyang Technological University in Singapore. She has a bachelor's degree from Dalian Maritime University, China, and a Master's degree from Vrije Universiteit Brussel in Belgium. She has done research on the quantitative measurement of energy security, the impacts of China's macroeconomic reforms on its energy sector, and the energy security and energy policies of Southeast Asia. She has been leading a research project on decarbonization strategies of several key economies across the world. Her current research covers China's Belt and Road Initiative, China's energy transition, and decarbonization in Southeast Asia and Northeast Asia.