










Australia-Japan Network for Energy Transition & Critical Materials WORKSHOP In conjunction with
World Renewable Energy Congress (WREC 2026)

Wednesday, 11 February 2026, Murdoch University, Perth, Australia

Bridging Australia–Japan Synergies for a Just Energy Transition and Critical Materials Future

Join us for a pivotal workshop bringing together leading experts from Australia and Japan to explore collaborative pathways towards a sustainable energy future and secure critical materials supply chains. In conjunction with WREC 2026, this event will delve into innovative solutions, policy frameworks, and research advancements essential for a just energy transition and a resilient critical materials landscape. Discover opportunities for synergy and partnership that will shape the future of energy and resources in both nations and beyond.

Workshop 6 Program

 09:00 – 09:05	<p align="center">AProf. Hussein Znad, Chair of AJN-ETCM, Curtin University</p>	<p align="center">Opening Workshop</p>
 09:05 – 09:20	<p align="center">Mr. Atsushi Karimata, Consul-General of Japan in Perth</p>	<p align="center">Opening Remarks</p>
 09:20 – 09:40	<p align="center">Prof. Ikuo Yamamoto, Vic President, Nagasaki University, Japan</p>	<p align="center">Advances In Renewable Offshore Robotics</p>
 09:40 – 10:00	<p align="center">Prof. Gordon Flake, CEO of Perth USAsia Centre, Australia</p>	<p align="center">The power of partnership: Australia- Japan cooperation on energy transition</p>
 10:00 – 10:20	<p align="center">Prof. Tatsumi Ishihara, Kyushu University, Japan Director of Intern. Institute for Carbon Neutral Energy Research (I2CNER)</p>	<p align="center">Efficient green hydrogen production with solid oxide cells (SORCs) for effective storage of renewable energy</p>
10:30 -11:00	Coffee Break	
 11:00 – 11:20	<p align="center">Prof. Kazuyo Matsubae, Tohoku University, Japan</p>	<p align="center">Critical Minerals for Low-Carbon Transitions: An LCA Perspective</p>
 11:20-11:40	<p align="center">Prof. Zongping Shao, Curtin University, Australia</p>	<p align="center">A new green steel making technology</p>
 11:40-12:00	<p align="center">Prof. Jun Kubota, Fukuoka University, Japan</p>	<p align="center">Electricity-to-ammonia conversion in an electrochemical membrane reactor</p>
12:00-12:30 Poster Presentation & Closing Session 	<p align="center">Prof. Mikio Ouchi , Fukuoka University, Japan</p> <p align="center"><u>Mr. Raisei Sagara</u> (PhD student as POSTER), Fukuoka University, Japan</p>	<p align="center">Molecular Design of Crown Ethers and Calixarenes for Selective Metal Extraction</p> <p align="center">NH₃ synthesis using an electrochemical membrane cell with molten alkaline electrolytes and Ru Catalysts</p>
12:30-1:30	Lunch	