

ABOUT THE MODERATOR



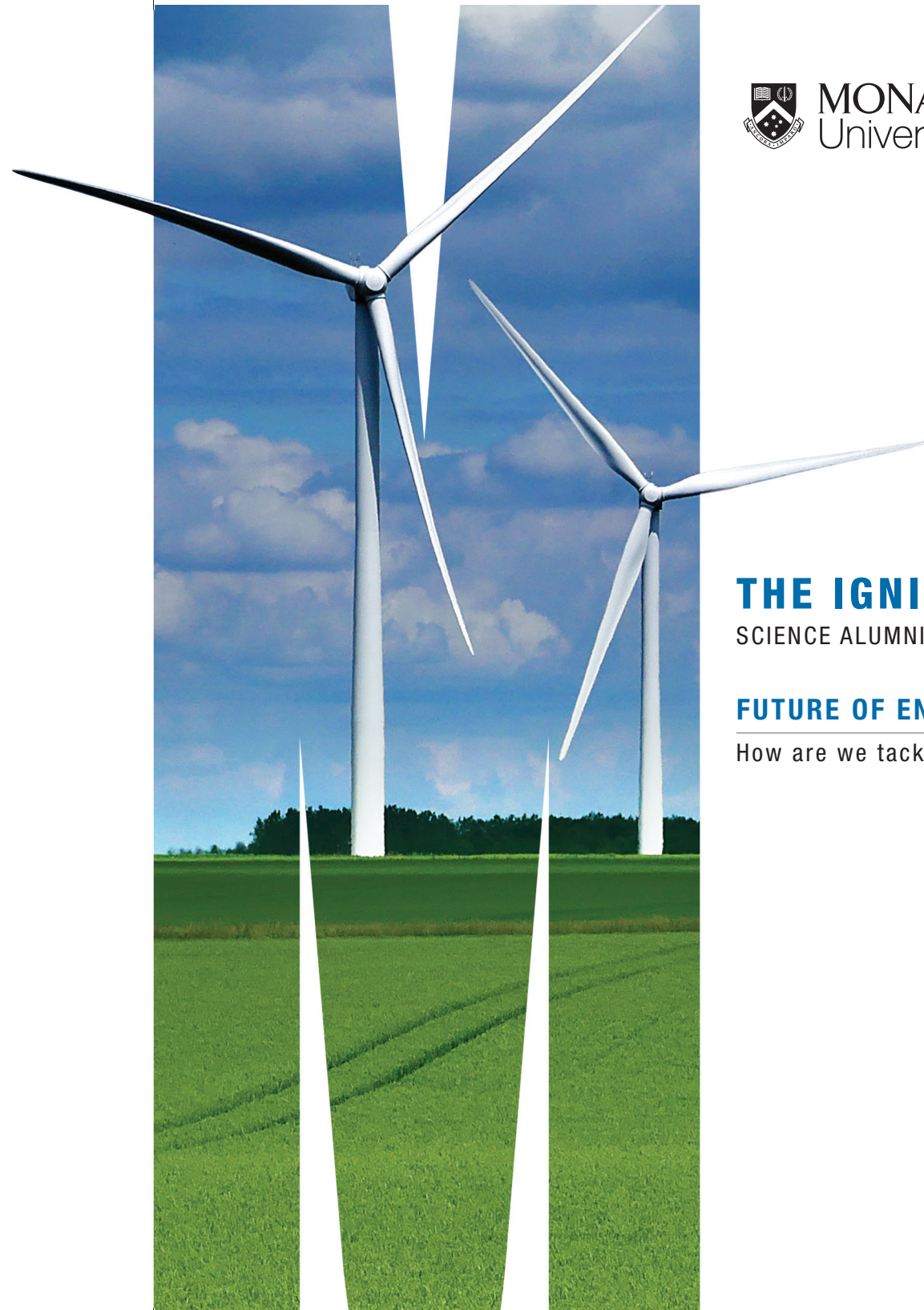
Morgan Rossiter - Alum (MES 2021)

Clean Energy Council - Director (Policy), Offshore Wind

Morgan works for the Clean Energy Council, the peak industry body for clean energy in Australia. Offshore wind is a nascent industry in Australia. She focuses on developing and advocating for regulatory and legislative frameworks that will enable an accelerated deployment of offshore generation capabilities.

Previously, Morgan spent 10 years in the energy sector in a diverse range of roles across Australia and Singapore in shipping, strategy, infrastructure development and logistics. She is a recipient of the Howard Brown Award and an Ambassador for One Young World.

Morgan is an alum of Monash University, completing her Master of Environment and Sustainability in 2021. She also holds a Bachelor of International Business from RMIT University.



THE IGNITOR

SCIENCE ALUMNI EVENT

FUTURE OF ENERGY
How are we tackling it?

ABOUT THIS EVENT

The Ignitor event series is inspired by the stories of our alumni and researchers who are thought leaders in science, research and industry.

At this event, Professor Douglas MacFarlane FAA, FTSE, Dr Karolina Matuszek, and Professor Michael Fuhrer FAA will share their knowledge on the pressing global question; "How can we build sustainable and efficient, technologies and fuels for tomorrow's energy needs?"

ABOUT THE TOPIC: FUTURE OF ENERGY - HOW ARE WE TACKLING IT?

Energy is also at the heart of the climate challenge – and key to the solution (UN, Raising Ambition, 2023). A growing population with an increasing need for energy to power homes, fuel transport, run industry and complex computing highlights the need for alternative energy solutions that are sustainable.

Our panel of experts look at innovative and sustainable solutions to address the challenges of the Future of Energy. They will talk about all aspects of energy, from alternate fuels such as Green Hydrogen and Green Ammonia, Renewable Energy Storage and the use of Quantum materials to improve energy efficiency through their use in the design of Ultra-Low Energy Electronics.

EVENT DETAILS

6.30 - 9.30 pm (Registration starts at 6.00 pm)
Monash College City Campus 750 Collins Street Docklands, VIC 3008

PANELISTS

Professor Douglas MacFarlane FAA FTSE - School of Chemistry
Dr Karolina Matuszek - School of Chemistry
Professor Michael Fuhrer FAA - School of Physics and Astronomy

MODERATOR

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Clean Energy Council

PROGRAM

TIME	AGENDA
6.00 - 6.30 pm	Registration
6.30 - 6.35 pm	Welcome by Alumni Manager, Udeshika Wijewardena
6.35 - 6.45 pm	Faculty update by Dean of the Faculty of Science, Professor Jordan Nash
6.45 - 7.20 pm	Speaker presentations
7.20 - 7.45 pm	Q & A Session
7.45 - 7.55 pm	Thank you
8.00 - 9.00 pm	Networking

ABOUT THE SPEAKERS



Professor Douglas MacFarlane FAA FTSE
School of Chemistry
Monash University

Professor MacFarlane is a Co-founder of Jupiter Ionics P/L, specialising in production of Green Ammonia. His interests include the chemistry and application of ionic liquids including in electrochemistry applications in renewable energy storage.

He is a Fellow of the Australian Academy of Science and the Academy of Technological Sciences and Engineering and a recipient of an Australian Laureate Fellowship. He has published more than 800 papers with over >78,000 citations, with 30 patents to his name.



Dr Karolina Matuszek
School of Chemistry
Monash University

Dr Matuszek is a Lecturer in the School of Chemistry. Her current research expertise is in renewable energy and thermal energy storage, including designing novel phase change materials that can reversibly store large quantities of energy. These materials have the potential to offer solutions that are low cost, have low environmental impact, good reliability and are highly scalable.

She is a recipient of a prestigious Australian Research Council Early Career Industry Fellowship.



Professor Michael Fuhrer FAA
School of Physics
and Astronomy
Monash University

Professor Fuhrer's current research interests lie in understanding the electronic properties of atomically-thin materials such as graphene, as well as topological insulators, newly discovered materials which are insulating in their interior but conduct along their boundaries. These materials are used in the design of ultra-low energy electronics.

He founded the Monash Centre for Atomically Thin Materials. Professor Fuhrer is a Laureate Fellow, and a Fellow of the Australian Academy of Science, the American Physical Society, and the American Association for the Advancement of Science.