



T I M A R U

Series 8, 2021

NEW ZEALAND ENERGY FUTURES

Organised by Ron Paulin & Solome Mair

The first lecture in this series is re-scheduled from Series 5 when the lecturer had to cancel.

U3A lectures are for members only.

We regret we're unable to welcome visitors to our lectures – to do so would be unfair to those on the waiting list.

4th Oct **Cannot keep it simple: creativity in the 21st century** *Dr Mark Menzies*

I'd like to introduce you to my creative practice, and it is not simple. I am a musical performer, composer and poet, and it is the combination of these pursuits that fuel my creative thinking, and have led to a career that spans the globe. In my talk I will explain how this could possibly work, and what it has led me to observe about creativity, the arts, and other 21st century challenges.

11th Oct **Green hydrogen: commodity chemical and future fuel.** *Professor Sally Brooker*

This general talk will introduce the hydrogen eco-system, including the existing roles of hydrogen as a key commodity chemical, and the 'colours' of hydrogen, focussing in particular on the production of brown vs green. The future roles of green hydrogen as a commodity chemical and as a zero-carbon emission future fuel will be considered. Finally, the NZ situation, and the aims of the German-NZ green hydrogen team, will be presented.

18th Oct **Why we need to Flip the Fleet:
electric vehicles for a net carbon zero future** *Dr Henrik Moller*

Transitioning to electric vehicles offers enormous promise for New Zealand's economic, social and environmental wellbeing and resilience. Experience of current EV owners demonstrates that EVs are a practical alternative for many of our transport needs, but they are not a silver bullet or an instant solution. This talk examines the social and economic barriers to EV uptake and suggests ways that they can be overcome.

2021 PROGRAMME DATES:

SERIES 9: Nov 1, 8, 15

Meetings

West End Hall, 35a Maltby Avenue, Timaru.
Lectures commence at 1.30 pm and conclude about 2.30 pm with questions to follow.
Coffee/tea will be provided after the meeting.

As a courtesy to our speakers & other members, please ...

Be seated by 1.20 pm Wear your name tag
Turn your cell phone off No talking during lectures
Wait until the end of the lecture before asking questions
Stand when asking a question, and wait for the microphone

OFFICE BEARERS AND COMMITTEE

Postal address

President: **Kevin Foley:** Phone: (03) 686 2209
Vice President: **Reese Hart**
Committee: **Solome Mair, Ron Paulin, David Allen**
Treasurer: **Paul Gill:** paulcynthia1@gmail.com; Phone (027) 220 4405
Secretary: **John Barton:** u3atimaru@gmail.com; Phone (03) 686 2848

U3A Timaru
PO Box 4024
Highfield
Timaru 7942