



The Waterhouse Club Inc.
Founded 1987
An Association of the
South Australian Museum

South Australian Museum
North Terrace, Adelaide SA 5000
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waterhouseclub@samuseum.sa.gov.au

The Waterhouse Club invites you to the 4th “COMING OUT in 2021” event

SMART TECHNOLOGY AND THE CRITICAL MINERAL REVOLUTION

Presented by Associate Professor Carl Spandler

Tuesday 29 June 2021 from 5.30 pm

To be held in the Pacific Cultures Gallery at the South Australian Museum

‘Critical Minerals’ will be as important to the future of Australia and the world as copper, lead-zinc, iron ore, and coal have been in the past. These remarkable substances are essential to matching humankind’s demand for technical progress with a greener and more sustainable future.

They enable advanced technologies like smart phones, computers, solar panels and batteries, high-tech metal alloys and sophisticated medi-science applications.

Significantly, Australia has an abundance of some of these minerals. We’re the world’s top producer of lithium, and the second largest producer of zircon. Australia ranks sixth in rare earth element resources, and has extensive undiscovered potential.

Australia has an opportunity to produce and process a range of critical mineral commodities which may redress global supply chain imbalances.

We are very fortunate to have secured Associate Professor Carl Spandler as part of our *Come Out in 2021 Series*. Carl is a globally recognised expert in the area and has recently been appointed in the Faculty of Sciences at the University of Adelaide. There he will lead the newly created Australian Critical Minerals Research Centre.

As a respected educator and communicator, he will explain what these minerals are, where they can be found globally and in Australia and how we can extract and process these valuable but little-understood mineral commodities.

With a background of global research in Switzerland and in Queensland, while based at Australian National University, Carl brings a wealth of experience investigating the processes of mineral concentration in the earth’s crust, with particular focus in recent years on ore deposits containing a range of critical minerals.

THIS IS AN EVENT NOT TO BE MISSED!

Wine and canapes will be served in the Museum Foyer upon arrival

The cost of the event is \$65.00 per member

Event Organisers: Trevor & Carol Ireland

Please return the Booking Form attached or telephone the Club office.

BOOKING FORM: "SMART TECHNOLOGY AND THE CRITICAL MINERAL REVOLUTION"

Tuesday 29 June 2021 from 5.30 pm

Please complete and email to waterhouseclub@samuseum.sa.gov.au post to: The Secretary, The Waterhouse Club, SA Museum, North Terrace, Adelaide, SA or call the Club office on 8203 9802

Members @ \$65.00 Non-members @ \$75.00 = Total \$.....

Name/s for name tag/s

.....Mobile.....

Please advise of any specific dietary requirements

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Please choose your payment option

		<p>Electronic Funds Transfer (EFT) BSB: 105 148 (Bank SA) Account Number: 554895640 (Waterhouse Club)</p> <p>Please use your surname and initial as the reference so we can track your payment. If your bank provides the option, please email payment advice to: waterhouseclub@samuseum.sa.gov.au</p>
		<p>To ensure the safety and security of your credit card details please do not provide this information electronically via email.</p> <p>If you wish to pay by credit card, please telephone the club office to make your booking and payment: Telephone: (08) 8203 9802. If no-one is in attendance please leave a message and your call will be returned.</p>
		<p>Personal or bank cheque payable to the Waterhouse Club</p>

PLEASE RETURN THE BOOKING FORM and PAYMENT TO THE WATERHOUSE CLUB OFFICE

- **Email:** waterhouseclub@samuseum.sa.gov.au (but not with credit card details)
- **Telephone:** (08) 8203 9802 (to book and pay with your credit)
- **Post:** c/- SA Museum, North Terrace Adelaide SA 5000

PLEASE NOTE: Confirmed bookings are non-refundable.