



# Materials Innovations in Process Engineering and Batteries.

Unique Regional Technical Event



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Materials Australia would like to invite you to a seminar on the latest materials and maintenance advancements for chemical process engineering and the emerging battery chemicals markets. This will be held at the AMC Jakovich Centre in Henderson, south of Perth on 21st July 2022.

The innovative use of materials and maintenance to support life extension on capital equipment and plant assets is critical to the chemical and mineral processing sectors. These chemical processing industries require constant advancements in design, materials and maintenance technologies and products to support safe, reliable, and cost-efficient operations as new process plants are constructed or existing processing facilities approach the twilight years of their intended producing life.

The emerging battery and battery chemicals industries here in Western Australia has resulted in a new focus on plant design, construction and on-going asset management.

The programme includes presentations from high profile industry professionals from Future Battery Industries CRC, Applus, Wesfarmers Chemicals, Energy and Fertilisers, Callidus Process Solutions, Wood Group, Metlabs Australia and Anton Paar.

## Venue, Parking & Accommodation

The venue has free parking all off the main road. The seminar will be held in the Lake Coogee Room which will be upstairs at the venue.

Overnight accommodation in the region can be secured at either the Esplanade Hotel in Fremantle or Peel Manor House.

Esplanade (Rydges) – 08 9432 4000

Peel Manor House – 08 9524 2838.

## Breakfast Speaker

Chris Oughton is currently the Executive Director of the Kwinana Industries Council. This is a role he has held for the last 15 years. He graduated from Curtin University in Commerce and holds an Executive MBA from UWA. He has also completed the AICD Company Directors Course. As a former Executive within the City of Kwinana Chris has had more than 20 years experience in helping to facilitate the enormous growth seen on this world famous Kwinana Strip. He will be able to recount the highlights and challenges that have been encountered and where he sees this region going in the coming years with the rapidly expanding battery industries.



# Site Visit - TBC

## Kwinana/Naval Base

The seminar will be followed by a Plant Visit to a relevant processing operation in Naval Base. Delegates will be transported by bus from the AMC Jakovich Centre to the nominated facilities at 2:30pm returning at around 4pm.

**More details will be released closer to the event.**

Please note: Covered shoes and long sleeve shirt will be required.

## Sponsorship Opportunities



**Bronze \$500**



**Silver \$1200**



**Gold \$1750**



**Platinum \$2500**

Various opportunities are available for sponsorship with four levels: Bronze \$500, Silver \$1200 and Gold \$1750 and Platinum \$2500. Please contact Paul Howard on 0407 711 008 or Ehsan Karaji on 0488 336 629 to discuss, or e-mail: [paulh@gerard-daniels.com](mailto:paulh@gerard-daniels.com), or [ehsan.karaji@baesystems.com](mailto:ehsan.karaji@baesystems.com)





# Provisional Technical Programme

7:00 – 7:30	REGISTRATION AND COFFEE
7:30 – 9:00	WELCOME, BREAKFAST AND OPENING PRESENTATION <b>Guest Speaker, Mr Chris Oughton, Director, Kwinana Industry Council</b>
9:00 – 9:30	NETWORKING COFFEE BREAK
9:30 – 10:00	<b>KEYNOTE ADDRESS: Dr Richard Macoun Research Manager, Future Battery Industries CRC</b> "Materials Used for Cathodes and Difficulties Experienced in Materials Selection"
10:00 – 10:30	<b>Dr Paul Huggett, Materials Manager, Applus and John Carroll, Metlabs Australia</b> "Equipment, Techniques and Interpretation of Metallurgical Surface Replication of Boiler Tubes and Other Process Equipment"
10:30 – 11:00	MORNING TEA
11:00 – 11:30	<b>Evelyn Ng, Group Materials and Corrosion Engineer, Callidus Process Solutions</b> "Titanium Surface Modification for Use in Severe Service"
11:30 – 12:00	<b>Rohan Mazalkar, Senior Asset Integrity Engineer, WesCEF (CSBP)</b> "Material Selection Guidelines for Gas Cooler Condensers in Nitric Acid Plants"
12:00 – 12:30	SPONSORS OVERVIEW PRESENTATION
12:30 – 1:15	LUNCH
1:15 – 1:45	<b>Iman Maroef, Principal Consultant, Asset Performance Optimisation, Wood Perth</b> "Design and Maintenance Considerations for the Application of RTJ Flange in High Temperature Oxidation Service Above 600°C"
1:45 – 2:15	<b>David Udy, Technical Sales Specialist WA/SA, Anton Paar Australia</b> "Material Characterisation for Battery Cell Manufacturing along the Process Chain"
2:15 – 2:30	AFTERNOON TEA BREAK
2:30 – 2:40	TRANSFER TO PLANT VISIT – get picked up by bus at the Jakovich Centre.
2:45 – 3:45	PLANT TOUR, (TBC)
4:00 – 5:00	RETURN TO JAKOVICH CENTRE, NETWORKING DRINKS



# Seminar & Plant Tour Registration Form

Full registration includes breakfast, morning tea & lunch, networking drinks and seminar proceedings and participation in the Plant Tour. You can choose not to attend the breakfast and/or the plant tour, but both are highly recommended.

NAME

COMPANY

POSTAL ADDRESS

STATE

POSTCODE

TELEPHONE

EMAIL

<b>OPTION 1</b>	<b>SEMINAR – BREAKFAST ONLY (INCLUDING KEYNOTE SPEAKER PRESENTATION)</b>	
	<b>AINDT, ACA, EA or MA Member</b>	<b>\$65 incl GST</b>
	<b>Non Member</b>	<b>\$75 incl GST</b>
<b>OPTION 2</b>	<b>SEMINAR – INCLUDING BREAKFAST AND NETWORKING DRINKS</b>	
	<b>AINDT, ACA, EA or MA Member</b>	<b>\$350 incl GST</b>
	<b>Non Member</b>	<b>\$500 incl GST</b>
<b>OPTION 3</b>	<b>SEMINAR ONLY (NO BREAKFAST)</b>	
	<b>AINDT, ACA, EA or MA Member</b>	<b>\$300 incl GST</b>
	<b>Non Member</b>	<b>\$450 incl GST</b>
<b>OPTION 4</b>	<b>SEMINAR AND IMEA MEMBERSHIP* – INCLUDING BREAKFAST AND NETWORKING DRINKS</b>	
	<b>Non Member</b>	<b>\$650 incl GST</b>
<b>OPTION 5</b>	<b>PLANT VISIT (REGISTRANTS ONLY)</b>	
	<b>Seminar Registrants Only</b>	<b>No cost</b>
	<b>Included in the cost of options above, however, registrants must notify intention to attend plant tour.</b>	

**I wish to pay a total of \$**

Payment can be made by Credit Card via [Trybooking](#) (a small booking fee will apply), or direct to MA. For Group bookings please e-mail list of all delegates to Materials Australia.

**Please e-mail this booking form (regardless of payment method) and any other correspondence to:**

MIPEB 2022 Seminar Convenor, Materials Australia WA Branch  
at e-mail: [paulh@gerard-daniels.com](mailto:paulh@gerard-daniels.com)

Please pay at: <https://www.trybooking.com/CAJNR>, or

NAME ON CARD:

CARD NUMBER:

EXPIRY

CCV:

SIGNATURE: