

APPITA TECHNICAL MEETING

DATE: Thursday 6th March 2025
VENUE: Copthorne Hotel, Fenton Street, Rotorua

PROGRAMME

6:00pm Registration and Cash Bar, House Bar
6:30 Dinner, Restaurant

Technical Programme – Redwood 2

7:30 **“Producing solid biofuels from New Zealand’s Forestry Industry as a coal replacement”**

Dr Bing Song, Scientist - Chemistry and Physics - Sustainable Chemistry, Scion

In this presentation, Bing Song will selectively introduce some of Scion’s recent efforts in solid biofuels production including (1) co-densification of forest residues and waste thermoplastic, (2) the swelling behaviour of biomass briquettes, (3) heterodox torrefaction of forest residues, (4) binder-less densification of torrefied biomass, and (5) continuous briquetting. Finally, we will briefly share our collaboration story with Museum of Transport and Technology (MOTAT) on establishing a demonstrational trial of using New Zealand’s forest residues as a solid biofuel for powering a steam tram.

8:00 **“Switching to Geothermal: A Sustainable Leap in Tissue Production”**

Matthew Bain, Project Manager, Essity

Paper Machine No.3 in Kawerau has been successfully commissioned after a major rebuild. The gas burners are gone, and the drying process now runs fully on geothermal steam – the world’s only machine of its kind. Matt will step through this groundbreaking project and share some key insights.

8:30 **“Pulpmill optimisation at Pan Pac”**

Dr Karl Murton, Research Engineer, Scion

A summary of some of the pulpmill optimisation projects carried out at Scion and Pan Pac to help with the conversion of a thermo-mechanical (TMP) to a BCTMP pulping operation.

ORGANISER:

Peter Minten, Appita Magazine Features Editor, pbmminten@gmail.com

COST: Members: \$55 Non-members: \$65 Retired Members: \$30
Payment can be direct credited to: Appita NZ Section, ANZ, Rotorua 06 0413 0178800 00
or paid on the night by cash. If paying via credit card, please inform when registering.
Pre-arranged invoicing also accepted.

(NB: Payments by American Express will incur a credit card surcharge of 3%)

Please register **by Monday 3rd March** at the latest by contacting

Shiraz Khashim, Appita at ShirazK@appita.com

(People who register for technical meetings, but fail to attend on the night will be charged. Please advise Shiraz Khashim as early as possible if you can no longer attend. The hotel now charges for the final number given)