AUS APWS

AUSTRALIAN ASSOCIATION FOR THE PROPERTIES OF WATER & STEAM

Program



2023

Annual Meeting

14 -16 August 2023

Pullman Melbourne on the Park



Program

Monday 14 August 2023

Arrival Tea & Coffee / Registration 9:00 -10:00am
Coffee Cart Sponsored by Swan Analytical

Session 1 10:00 -12:00pm
AUSAPWS Welcome/Opening remarks.
AUSAPWS update.
KEYNOTE: Glenn Schumacher (Energy Australia) – Why What You Do Is Important
Justin West (IWS) – IAPWS Technical Guidance Documents
Bruce Leitch (Water Treatment Services) – A Historical Perspective of Thermal Power Station Cycle Chemistry Control in NSW

Questions and General Discussion/ Sponsor Presentation
Sponsor: Swan Analytical/Sentry

Lunch 12:00-1:00pm

Session 2 1:00 - 3:00pm
Luke Halket (AGL) – FFS Application Trial in a Once Through OT Unit
Judy Weir (Thermal Chemistry) – Process Management Plans for The Power Plant Chemist – The Why and How
Matt Harris (AUSAPWS) – View on Failures
James Rosie (Purolite) - Silica: its chemistry, implications in Ion Exchange and some practical examples of problems
Cameron Pattle (AGL) – Shutdown Protection at Loy Yang

Questions and General Discussion/ Sponsor Presentation
Sponsor: Hach Pacific

Afternoon tea 3:00-3:30pm

Session 3 3:30 - 4:40pm
David Addison (Thermal Chemistry) – Case study: Electrode Boiler Chemistry
Jon Bloy (Visentia) – ODA/Odacon Applications in NZ Industrial Boilers
Duncan McAllister (Alinta) – Standstill Protection Action Plan at Loy Yang B

Questions and General Discussion/ Sponsor Presentation
Sponsor: Purolite Ltd NZ

Welcome Cocktail Function 6:00 - 8:00pm
Stradbroke Foyer, The Pullman Melbourne on the Park Hotel
Sponsored by Veolia

Tuesday 15 August 2023

Arrival Tea & Coffee / Registration 8:30 - 9:00am
Coffee Cart Sponsored by Swan Analytical

Session 4 **9:00 -10:30am**

David Addison (Thermal Chemistry) – IAPWS/PCC Working Group Updates
Prashant Ghadiali (AGL) – Brine Management at an Inland Thermal Power Station
KEYNOTE: Dave Swainsbury (Consultant) – Cycle Chemistry Until Closure

Questions and General Discussion/ Sponsor Presentation
Sponsor: HRL Technology Group Pty Ltd

Morning tea 10:30 – 11:00

Session 5 **11:00 -12:30pm**

KEYNOTE: David Addison (Thermal Chemistry) – The Future of Water/Steam Chemistry (…and Chemists!) in a Post-Fossil World
Luke Halket (AGL) – Risks of Poor Cycle Chemistry and How To Improve
Nik Zwaneveld (Membrane Works) – Membrane Failures

Questions and General Discussion/ Sponsor Presentation
Sponsor: Visentia Limited

Lunch 12:30 – 1:30pm

Session 6 1:30 - 3:00pm
Tech Panel/Submitted questions/Open forum
KEYNOTE: Hayden Henderson (AGL) – Senior leadership view on chemistry

Questions and General Discussion/ Sponsor Presentation
Sponsor: Nalco Water

Afternoon tea 3:00 – 3:30pm

Session 7 3:30 - 4:30pm
Bill Snodgrass & Hamish McCracken (OPAL) – HTP2 Boiler Dispersion Polymer Dosing at OPAL Maryvale
Matt Harris (AGL) – Boiler Chemical Cleaning
Dave Rodman (Ecolab) - Application of IAPWS Guidance document for Industrial Boilers & Encountered Challenges

Conference Dinner 6:30 - 9:30pm
Harrison Room,
Melbourne Cricket Ground (MCG)

Wednesday 16 August 2023

Arrival Tea & Coffee / Registration 8:30 - 9:00am
Coffee Cart Sponsored by Swan Analytical

Session 8 9:00 – 10:30am

AUSAPWS 2023 Film Forming Substances (FFS) Workshop

Attendees will leave equipped with the tools to ask the right questions when the subject of FFS for asset protection is raised at their workplace.

- Fundamental chemistry of film-forming substances
- History of FFS applications
- Potential benefits and risks of FFS application
- Mechanisms of corrosion inhibition by FFS
- FFS 'Unknowns' and current areas of research

Morning tea 10:30 – 11:00am

Session 9 11:00 – 1:00pm

AUSAPWS 2023 Film Forming Substances (FFS) Workshop

- Current best-practice application guidelines
- Analytical methods for FFS
- Application case studies
- Discussion and questions

Lunch 1:00 - 2:00pm

2:30pm Conference conclusion



The **Australian Association for the Properties and Water and Steam (AUSAPWS)** *is a full member of the International Association for the Properties of Water and Steam (IAPWAS). IAPWS is an international non-profit association of national organizations concerned with the properties of water and steam, particularly thermophysical properties, cycle chemistry guidelines, and other aspects of high-temperature steam, water and aqueous mixtures relevant to thermal power cycles and other industrial and scientific applications. IAPWS meetings have been held annually since 1929. Current Members of IAPWS are Australia, Britain and Ireland, Canada, the Czech Republic, Germany, Japan, New Zealand, Russia, Greece, India, Italy, and Switzerland.*









Keep up to date by visiting the AUSAPWS Conference website: click here

https://na.eventscloud.com/ehome/ausapws2023

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