

ABHUG 2024

Australasian Boiler & HRSG Users Group Conference and Workshops

Tuesday 3 - Thursday 5 December 2024, Brisbane
Brisbane Convention & Exhibition Centre



The Australasian Boiler and HRSG Users Group (ABHUG) will conduct its annual meeting in Brisbane, Australia on Tuesday 3 - Thursday 5 December 2024.

Since 2019 AHUG has been known as ABHUG (Australasian Boiler and HRSG Users Group), to include all aspects of HRSG, as well as additional technical areas common in fossil and HRSG plants - such as tube failures, steam turbine failures, high energy piping, valves and regulatory issues and cycle chemistry control aspects. The successful first ABHUG conference was held live at the Brisbane Convention Centre in 2019.

The 2024 conference will include a workshop on an important topic of interest. All attendees will be encouraged to raise specific technical problems with their Boilers, HRSGs, Steam Turbines and Valves, and then participate while other attendees join in to share their experiences and debate solutions. There will also be a number of exhibits and sponsors associated with all aspects of Boilers and HRSGs.

[REGISTER NOW](#)

Who should attend?

Managers, engineers, operators, maintenance personnel, equipment suppliers, consultants, and plant service providers. In fact, anyone with an interest in the design, operation, layup, maintenance, or chemistry of boilers and HRSGs.

MECCA CONCEPTS

For more information on the Conference, workshops, exhibitions and sponsorship, please contact the Conference Secretariat
Mecca Concepts Pty Ltd
Rachel Washington -
rachel@meccaconcepts.com.au

In association with



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ABHUG 2024

Australasian Boilers & HRSG Users Group
Conference and Workshops
3 - 5 December 2024, Brisbane, QLD



Day 1 – Tuesday 3rd December 2024

- 8:30 Registration
- 9:00 to 9:15 **Introductory Remarks by ABHUG Co-Chairs.**
B. Dooley Structural Integrity, UK and R. Anderson Competitive Power Resources, USA.
- 9:15 to 9:45 **Update and Statistics on HRSG Thermal Transients.**
R. Anderson, Competitive Power Resources, USA.
- 9:45 to 10:15 **A 32MW Coal Fired Boiler with Widespread Corrosion of its Wall Tubes.**
A. Zunker, PEI, New Zealand.
- 10:15 to 10:45 Morning coffee/tea within Exhibits.
- 10:45 to 11:15 **Side Wall Penetration Seals and Ash Hopper Case Study.**
R. Russell, Dekomte Australia and J. Waterhouse, Dekomte, UK.
- 11:15 to 11:45 **Secondary and Tertiary Superheater Inlet Header Tube Stub Cracking.**
J. Kok and J. Gleeson, CS Energy, Australia.
- 11:45 to 12:30 Questions and General Open Floor Discussion
Sponsor Presentation:
- 12:30 to 14:00 Working Lunch within Exhibits.
- 14:00 to 14:30 **Optimising Performance of the Power Plant.**
A. Yusri, HRL, Australia.
- 14:30 to 15:00 **Combined Cycle HPSH and RH Attenuator Turndown Control and Piping Improvements, Including Component Reverse Engineering and Bench Testing Considerations.**
S. Bond, Bond Engineering, Australia.
- 15:00 to 15:30 Questions and General Open Floor Discussion
Sponsor Presentation:
- 15:30 to 16:00 Afternoon coffee/tea within Exhibits.
- 16:00 to 16:30 **Inspection and Assessment of Nozzle Defects on High Pressure (HP) Feedwater Heater. A Case Study.**
D. Ross and A. Abolis, SRG Global, Australia.
- 16:30 to 17:00 **Update and Statistics on HRSG and Boiler Cycle Chemistry Control and FAC.**
B. Dooley, Structural Integrity, UK.
- 17:00 to 17:30 **IAPWS, AUSAPWS and NZAPWS Updates.**
B. Dooley, Structural Integrity, UK, D. McAllister, Loy Yang B, Australia and D. Addison, Thermal Chemistry, New Zealand.
- 17:30 Day 1 Concludes
- 17:30 to 19:00 Networking, Social Gathering and Drinks within Exhibits. "Brisbane Evening".

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Day 2 – Wednesday 4th December 2024

- 8:30 to 8:45 Review of Day One. Exhibits and Discussion
- 8:45 to 9:15 ***Analysis of Drivers of High Superheater Temperatures for a Coal-fired Boiler.***
S. Mann, A. van Niekerk and M.S. Mahmud, AGL Energy, Australia.
- 9:15 to 9:45 ***Addressing Damage Mechanisms in HRSGs.***
D. Snow, Quest Integrity, Australia.
- 9:45 to 10:15 ***Boiler Integrity Program.***
W. Hill, EnergyAustralia, Australia.
- 10:15 to 10:45 Morning coffee/tea within Exhibits.
- 10:45 to 11:15 ***Corrosion Control Documents (CCD) for the Power Industry.***
R. Kunrath, Quest Integrity, New Zealand.
- 11:15 to 11:45 ***Inspection of Cracks from the Bore of Socket Welds using Total Focusing Method (TFM) Ultrasonics.***
D. Charman, IRISNDT, Australia.
- 11:45 to 12:15 Questions and General Open Floor Discussion
Sponsor Presentation:
- 12:15 to 13:15 Working Lunch within Exhibits.
- 13:15 to 13:45 ***Electric Heating of HRSGs in Wet Layup.***
R. Anderson, Competitive Power Resources, USA. .
- 13:45 to 14:15 ***Deaerator Cracking, Blowdown System Erosion and Early Life Creep Damage.***
B. Ho, INPEX, Australia
- 14:15 to 14:45 Questions and General Open Floor Discussion
Sponsor Presentation:
- 14:45 to 15:15 Afternoon coffee/tea within Exhibits.
- 15:15 to 15:45 ***HRSG Inspection Tool - A Novel Remote Visual Inspection Approach.***
G. Gordon, Altrad Babcock, UK.
- 15:45 to 16:15 ***The Latest International Activities on Film Forming Substances from Seven IAPWS International FFS Conferences and Assessments Worldwide.***
B. Dooley, Structural Integrity, UK. and D. Addison, Thermal Chemistry, New Zealand.
- 16:15 to 16:45 Questions and General Open Floor Discussion
- 17:00 Day 2 Concludes
- 18:00 to 21:30 ABHUG Dinner Cruise - departing Cultural Centre Pontoon.

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Day 3 – Thursday 5th December 2024

- 8:30 to 8:45 Review of Day Two, General Open Floor Discussion and Questions
- 8:45 to 9:15 **Revision of AS 3788: Boilers and Pressure Vessel – In-service Inspection.**
R. Coade, HRL, Australia.
- 9:15 to 9:45 **Film Forming Substance (FFS) Impacts on Heat Transfer.**
D. Rodman, Nalco/Ecolab, Australia and R. Situ, James Cook University, Australia.
- 9:45 to 10:15 Questions and General Open Floor Discussion
Sponsor Presentation
- 10:15 to 10:45 **Morning coffee/tea within Exhibits.**
- 10:45 to 11:15 **Dead Leg Concerns for CCGTs - Capital Power.**
T. Burnett and N. Kumar, Intertek, USA; and D. Godin, Capital Power, Canada.
- 11:15 to 11:45 **Non-fossil Future Steam Production for Australian Industries (biomass, electrode boilers, high temperature heat pumps, steam compressors, geothermal, solar thermal, nuclear etc).**
D. Addison, Thermal Chemistry, New Zealand.
- 11:45 to 12:15 Questions and General Open Floor Discussion
Sponsor Presentation
- 12:15 to 13:45 **Working Lunch within Exhibits.**
- 13:45 to 14:15 **Utilising Drones to gain Quantitative Asset Insights.**
T. Davison and C. Brucki, SRG Global, Australia.
- 14:15 to 14:45 **Advanced Inspection Ahead of Major Outages.**
J. Odlum and B. Craig, HRST, USA.
- 14:45 to 15:15 **Afternoon coffee/tea within Exhibits.**
- 15:15 to 15:45 **Evaluation of Cleaning Technologies for Fouling Removal and Potential Tube Damage in Boilers and Heat Recovery Steam Generators.**
S. Rosinski and B. Carson, EPRI, USA; and R. Anderson, Competitive Power Resources, USA.
- 15:45 to 16:15 **LYB Reheater Repair and Lessons Learnt.**
D. Desiatov, Loy Yang B, Australia.
- 16:15 to 16:45 Questions and General Open Floor Discussion
- 17:00 **Day 3 Concludes**

Keep up-to-date by visiting the ABHUG 2024
Conference website:

REGISTER NOW

[https://na.eventscloud.com/ehome/
abhug2024/home/](https://na.eventscloud.com/ehome/abhug2024/home/)

Visit the website to Register and for any new
information.

ABHUG 2024 is chaired by
Barry Dooley, Structural Integrity Associates, and
Bob Anderson, Competitive Power Resources,
with the assistance of a Steering Committee consisting of:

David Addison, Thermal Chemistry, NZ
Russell Coade, HRL, Australia
Ivan Currie, Energy Australia, Australia
Stuart Mann, AGL, Australia
Duncan McAllister, LYB Operations & Maintenance Pty Ltd,
Australia
Ian Rawlings, CS Energy, Australia
Charles Thomas, Quest Integrity, NZ



REGISTER ONLINE AT:

<https://na.eventscloud.com/abhug2024>

REGISTRATION	Pay on or before September 30	Full Registration
ABHUG Conference & Workshops Fee includes: refreshments and lunches on Tuesday, Wednesday and Thursday, Networking Drinks on Tuesday evening and Conference Dinner Cruise on Wednesday evening.	AUD\$1500.00 (inc GST)	AUD\$1650.00 (inc GST)

Accommodation - Novotel Brisbane South Bank, 38 Cordelia Street, South Brisbane

Rooms are subject to availability. Room rates are AUD\$260.00 room only or AUD\$290.00 room + breakfast for one. One night's accommodation fee is due on registration. Please provide your credit card details to guarantee your booking and will be provided to the hotel if you fail to check in. You will be responsible for settling your account directly with the hotel on your departure.

Hotel cancellation policy: Cancellations made within 30 days of your arrival date will incur the cost of all nights booked.

Registration payment by credit card or bank transfer.

Cancellations: If you are unable to attend, a substitute delegate is welcome at no extra charge. Where no substitute is available, a fee of \$165 will be deducted from your registration fee for cancellations received by MECCA Concepts in writing at least 28 days prior to the event. Thereafter no refunds will be made. Our Privacy Policy: By registering for this conference, relevant details will be held on a database by ABHUG and MECCA Concepts. An attendee list will be provided to all participants (name, position and organisation only). If you do not wish your information to be used in this manner, please advise MECCA Concepts.

Conference Organiser:

MECCACONCEPTS

Contact: Rachel Washington, Director MECCA Concepts Pty Ltd

Mobile: 61 (0) 412 996 711

Email: rachel@meccaconcepts.com.au

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Sponsorship & Exhibition Opportunities

(All prices include GST)

Gold Sponsorship : (AUD) \$8500.00

Sponsorship of this item includes...

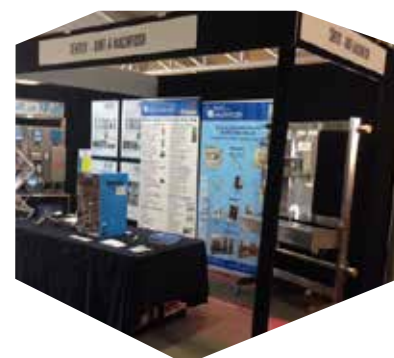
- Company name and logo displayed
 - » on all promotional material
 - » in sponsorship acknowledgement slides during the conference
 - » on holding slides during the conference
 - » on conference website page (with link to sponsor website)
- Opportunity to display banner in the conference room (pull up banner only to be provided by the sponsor)
- Opportunity for a 15 minute presentation to address attendees
- One complimentary double exhibition booth
- Two complimentary registration to all conference activities
- Acknowledgement on Conference Program

Exhibition Booths : (AUD) \$3300.00

The conference program and exhibition space has been designed to offer exhibitors maximum networking opportunities with conference delegates. Morning tea, afternoon tea and lunches on Wednesday to Friday will be served in the exhibition display area.

The exhibition package includes the following...

- Shell scheme display stand (3m x 2m x 2.4m with velcro compatible panels)
- Company name on fascia sign (20 characters)
- 2 x 150 watt spotlight per booth mounted on light track inside fascia
- 1 x 10 amp power point per booth
- 1 x dressed trestle table and two chairs
(additional furniture can be purchased at own expense)
- Opportunity for a 10 minute presentation to address attendees
- One complimentary registration to all conference activities.
- Additional "Booth Only" (not conference) passes can be purchased for \$600 (max 2).
- Acknowledgement on Conference Program



Name Badges and Lanyards : (AUD) \$2500.00

All delegates will be issued with a name badge and lanyard to be worn for the duration of the event.

Sponsorship of this item includes...

- Company logo printed on name badges and lanyards
- Acknowledgement on Conference Program

Morning Tea/ Afternoon Tea Refreshment Breaks : (AUD) \$1500.00 for 3 days OR (AUD) \$600.00 per day

There is a total of 3 morning/afternoon tea breaks during the conference.

Sponsorship of this item includes...

- Opportunity to display & hand out promotional material during the sponsored break/s.
- Acknowledgement sign during sponsored day
- Acknowledgement on Conference Program

Lunch Breaks :

(AUD) \$2000.00 for 3 days OR (AUD) \$800.00 per day

There is a total of 3 lunches during the conference.

Sponsorship of this item includes...

- Opportunity to display & hand out promotional material during the sponsored break/s.
- Acknowledgement sign during sponsored day
- Acknowledgement on Conference Program

Networking Reception : (AUD) \$2000.00

Networking Reception occurs at the conclusion of the first day (Wednesday 5.30-7.30pm).

Sponsorship of this item includes...

- Opportunity to display and give out promotional material during the Networking Reception.
- Acknowledgement sign on refreshment table during the Reception
- Acknowledgement on Conference Program



Sponsorship & Exhibition Form

please return completed form to MECCA Concepts Pty Ltd via email to rachel@meccaconcepts.com.au

TITLE: _____

FIRST NAME: _____

LAST NAME: _____

POSITION: _____

ORGANISATION: _____

ADDRESS: _____

CITY: _____

STATE: _____

POST CODE: _____

TELEPHONE: () _____

FAX: _____

EMAIL: _____

Level of Sponsorship: I agree to the Sponsorship and Exhibitor Conditions and request the following: (all prices include GST)

Gold Sponsorship : (AUD) \$8500.00

Exhibition Booths : (AUD) \$3300.00

Name Badges and Lanyards : (AUD) \$2500.00

Additional "Booth Only" passes (max 2 per booth) : (AUD) \$600

Networking Reception : (AUD) \$2000.00

Lunch Breaks DAY: _____

Refreshment Breaks DAY: _____

(AUD) \$2000.00 for 3 days

(AUD) \$1500.00 for 3 days

OR (AUD) \$800.00 per day

OR (AUD) \$600.00 per day

Payment Details

Please charge the following credit card: Mastercard Visa Amex

50% deposit to confirm the booking, with the remaining amount to be paid 60 days prior to the event

Please charge 100% of the sponsorship/exhibition item

Direct debit: I would like to pay via EFT, please send me an invoice for 50% or 100% of sponsorship item selected

Card number

Expiry date

/

CCV No. _____

Total Paid \$

Signature _____

Cardholders name

(Please Print)

Bank Transfer: Internet Bank Transfer to the following account details:-
Account Name: MECCA Concepts Pty Ltd – AHUG Conference Account
Bank: National Australia Bank
BSB No: 083 166
Account No: 89 048 6099
Swift Code: NATAAU3303M

General Terms and Conditions for ABHUG Conference & Workshops 2024

Sponsorship / Exhibition booking is held when sponsor agreement booking form completed and returned to Conference Organiser. An invoice will be sent for the item. Invoices and monies are in Australian Dollars and are GST inclusive. Sponsorship/Exhibition confirmed once payment received. In the event of cancellation, sponsors/exhibitors are required to inform MECCA Concepts Pty Ltd in writing. Unless sponsored item/exhibition can be resold, the Organisers reserve the right to retain monies paid. Promotional activity must not impinge on or directly interfere with any other sponsor/exhibitor. Sponsors and Exhibitors are liable for any damage they cause to the venue and/or the exhibition booths. The organiser is not liable for damages or loss to sponsor or exhibitor's property. Exhibitors must be adequately covered for Public and Product liability insurance. It is the responsibility of the exhibitor to arrange appropriate insurance for items within their exhibition. Location of Corporate Company banners will be at the Organisers discretion.