ABHUG 2022

Australasian Boiler & HRSG Users Group Conference and Workshops

Tuesday 15 - Thursday 17 November 2022, Brisbane
Brisbane Convention & Exhibition Centre

www.abhug.nz

The Australasian Boiler and HRSG Users Group (ABHUG) will conduct its annual meeting in Brisbane, Australia on **Tuesday 14 - Thursday 17 November** 2022.

In 2019 the Australasian HRSG Users Group (AHUG) changed the name to ABHUG (Australasian Boiler and HRSG Users Group) so that this important international IAPWS conference could continue to address HRSG aspects along with additional technical areas common in fossil and HRSG plants such as tube failures, steam turbine failures, high energy piping, valves and regulatory issues, materials and cycle chemistry control aspects. The successful first ABHUG conference was held live at the Brisbane Convention Centre in 2019. The 2020 conference was cancelled because of the corona virus pandemic and the 2021 conference was held virtually.

The 2022 conference is planned to be live again at the Brisbane Convention Centre and to feature presentations on plant operation, maintenance, layup, cycle chemistry and materials. It will also feature interactive discussions with presenters, equipment specialists and users. Several workshops will be conducted during this event. One workshop will be on Film Forming Substances (FFS) and other topics will be announced later. 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.

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.



MECCACONCEPTS

For more information on the Conference, workshops, exhibitions and sponsorship, please contact the Conference Secretariat

Mecca Concepts Pty Ltd
Rachel Washington -
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In association with European Hrsg Forum www.europeanHRSGforum.com

In association with HRSG FORUM



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Brisbane

Day 1 – Tuesday 15th November 2022

8:15	Registration
9:00 to 9:10	**Opening Remarks**. B. Dooley Structural Integrity, UK and R. Anderson Competitive Power Resources, USA.
9:10 to 9:40	***Four Years of Flexible Operation at Darling Downs.*** A. Shinde, Origin, Australia.
9:40 to 10:10	***Remaining Life Assessment of Reheater Tubes.*** S. Mann and A. van Niekirk, AGL, Australia.
10:10 to 10:40	Morning coffee/tea within Exhibits.
10:40 to 11:10	***Failure Analysis of a High Stressed Bolted Structure Operating in a Corrosive and High Temperature Environment.*** G. Schumacher, Energy Australia, Australia, and D. Bell, D. Charman and N. Xu, IRISNDT, Australia.
11:10 to 12:00	Questions and General Open Floor Discussion Sponsor Presentation
12:00 to 13:30	Working Lunch within Exhibits.
13:30 to 14:00	T***he Changes in Creep Strength of P91 due to In-Service Aging.*** C. Thomas, Quest Integrity NZL Ltd., New Zealand
14:00 to 14:30	***Case Study of a Tube Rupture on a 40 MW Boiler.*** A. Zunker, PEI, New Zealand.
14:30 to 15:00	Questions and General Open Floor Discussion Sponsor Presentation
15:00 to 15:30	Afternoon coffee/tea within Exhibits.
15:30 to 16:00	***The Importance of Careful Assessment of Aging HRSG HP Superheater and Reheater Headers.*** B. Craig, HRST, USA.
16:00 to 16:30	***IAPWS, AUSAPWS and NZAPWS Updates*** B. Dooley, Structural Integrity, UK., D. McAllister, Loy Yang B, Australia and D. Addison, Thermal Chemistry, New Zealand
16:30 to 17:00	Questions and General Open Floor Discussion Sponsor Presentation
17:00	Day 1 Concludes - Networking, Social Gathering and Drinks within Exhibits. “Brisbane Evening”.

ABHUG is kindly supported

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Day 2 – Wednesday 16th November 2022

8:30 to 8:45 Review of Day One. Exhibits and Discussion

8:45 to 11:50 ***ABHUG Workshop on Film Forming Substances (FFS)***

8:45 ***The Latest International Activities on Film Forming Substances.***
B. Dooley, Structural Integrity, UK.

9:15 ***Application of a Film Forming Substance at Kogan.***
K. Rose, CS Energy, Australia.

9:45 to 10:00 Workshop Questions and Discussion

10:00 to 10:30 Morning coffee/tea within Exhibits.

10:30 ***AGL Experiences with using Film Forming Substances (FFS).***
B Soutar, AGL, Australia.

11:00 ***The Due Diligence Required for a Film Forming Substance Application in a CCGT Plant.***
D. Addison, Thermal Chemistry, New Zealand.

11:30 to 11:50 Workshop Questions and Discussion

11:50 to 12:00 Sponsor Presentation

12:00 to 13:30 Working Lunch within Exhibits.

13:30 to 14:00 ***Failure of a HP Bypass Line to Cold Reheat Pipe Connection.***
C. Jones, Quest Integrity Australia Ltd., Australia.

14:00 to 14:30 ***Addressing Caustic Gouging in an HRSG HP Evaporator Drain System.***
V. Yeo and J. Spencer, NewGen Kwinana, Australia.

14:30 to 15:00 ***Expansion Joints for Longer Life and Increased Cycling.***
J. Waterhouse, Dekomte, UK.

15:00 to 15:30 Afternoon coffee/tea within Exhibits.

15:30 to 16:30 ***International Experiences – Fossil and HRSG Plants***

Update and Statistics on Fossil and HRSG Cycle Chemistry Control and FAC.
B. Dooley, Structural Integrity, UK.

Update and Statistics on HRSG Thermal Transients
R. Anderson, Competitive Power Resources, USA.

16:30 to 17:00 Questions and General Open Floor Discussion
Sponsor Presentation

17:00 Day 2 Concludes

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Day 3 – Thursday 17th November 2022

8:30 to 8:45	Review of Day Two, General Open Floor Discussion and Questions
8:45 to 9:15	***Kogan Reheater Investigations – Stub Tube Failure and Temperature Maldistribution.*** I. Rawlings, CS Energy, Australia.
9:15 to 9:45	***Automatic Control of Furnace Exit Gas Temperature using Advanced IR Pyrometry in HRSGs at a Combined Cycle Power Station.*** S. Clayton and J. Perry, HRL, 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	***Change from Stable Operation to Flexible Dispatch at Loy Yang B.*** D. McAllister, Loy Yang B, Australia.
11:15 to 11:45	***Back End GT Efficiency.*** J. Bause, Groome Industrial Service Group, USA.
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	***Steam Turbine Nozzle Plate – Assessment, Repair and Defect Tolerance / Remaining Life Assessment.*** B Ham, N Nguyen, H Better and R Coade, HRL Technology Group, Australia.
14:15 to 14:45	***Boiler Drum Operational Limit Analysis in Light of More Flexible Operation*** A. Abolis, ALS Global, Australia.
14:45 to 15:15	Afternoon coffee/tea within Exhibits.
15:15 to 15:45	***Layup Guidelines for Wet and Dry Storage.*** W. Hill, Energy Australia, Australia.
15:45 to 16:15	***Pelican Point 20 Years of Service - Problems and Experiences.*** K. Cowley, Engie, Pelican Point, Australia.
16:15 to 16:45	***Improvements of HRSG Superheater and Reheater Attemperator Controls.*** B. Smith, Provecta, Australia.
16:15 to 17:00	Questions and General Open Floor Discussion
17:00	Day 3 Concludes

Keep up-to-date by visiting the ABHUG 2022 Conference website:

REGISTER NOW

https://na.eventscloud.com/ehome/672250

Visit the website to Register and for any new information.

ABHUG 2022 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
Michael Drew, ANSTO, Australia
Stuart Mann, AGL, Australia
Keith Newman, Synergy, Australia
Armand du Randt, Genesis Energy, NZ
Matthew Sands, CleanCo Queensland, Australia

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15-17 November 2022, Brisbane, QLD

Registration & Accommodation Information

REGISTER ONLINE AT:

https://na.eventscloud.com/abhug2022

REGISTRATION	Pay on or before September 9	Full Registration
ABHUG Conference & Workshops Fee includes: refreshments and lunches on Tuesday, Wednesday and Thursday and Networking Drinks on Tuesday evening.	**$1450.00**	**$1600.00**

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$285.00 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

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