



# AHUG 2018

Australasian HRSG Users Group  
Conference and Workshops



**13 - 15 November 2018 - Brisbane**

## Program

### Day 1 – Tuesday, 13th November

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| <p>8:15            <b>Registration</b></p> <p>9:00 to 9:10   <b>Opening Remarks</b><br/>B. Dooley Structural Integrity,<br/>UK and R. Anderson Competitive<br/>Power Resources, USA</p> <p>9:10 to 9:40    <b>General Open Floor Discussion<br/>and Questions</b></p> <p>9:40 to 10:10   <b>Morning coffee/tea within exhibits</b></p> <p>10:10 to 10:40 <b>HRSG Steam Drum: Inspection<br/>and Assessment</b><br/>C. Jones and C. Thomas, Quest<br/>Integrity, Australia and New Zealand</p> <p>10:40 to 11:10 <b>Swanbank - Return to Service<br/>after Three Years Storage and New<br/>Flexible Operation</b><br/>J. Blake and M. Sands, Stanwell<br/>Corporation, Queensland,<br/>Australia</p> <p>11:10 to 12:00 <b>General Open Floor Discussion<br/>and Questions</b></p> <p>12:00 to 13:30 <b>Working Lunch within Exhibits</b></p> <p>13:30 to 14:00 <b>Film Forming Substances and Air<br/>In-leakage - The IAPWS Updates</b><br/>B. Dooley, Structural Integrity, UK,<br/>H. Henderson, AGL, Australia and<br/>G. Joy, Retired Australia</p> <p>14:00 to 14:30 <b>Contamination Ingress Pathways<br/>or CCGT Plants – Cycle Chemistry<br/>Contamination Risks and How<br/>to Manage</b><br/>D. Addison, Thermal Chemistry,<br/>New Zealand</p> | <p>14:30 to 15:00 <b>HP Main Stop Valve Cracking</b><br/>A. Lashin, Contact Energy, New Zealand<br/>and A. Zunker, PEI, New Zealand</p> <p>15:00 to 15:30 <b>Afternoon coffee/tea within Exhibits</b></p> <p>15:30 to 16:00 <b>Recent Reheater Tube Failures</b><br/>S. Gomez, BBE, Spain, R. Anderson,<br/>Competitive Power Resources, USA and<br/>B. Dooley, Structural Integrity, UK</p> <p>16:00 to 16:30 <b>Activities of AUSAPWS</b> (Australian National<br/>Committee of IAPWS). H. Henderson and<br/>J. West, AUSAPWS, Australia</p> <p>16:30 to 17:00 <b>General Open Floor Discussion<br/>and Questions</b></p> <p>17:00            <b>Day 1 Concludes</b><br/><b>Networking, Social Gathering<br/>and Drinks within Exhibits - Brisbane<br/>Evening</b></p> |
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## Program continued . . .

### Day 2 – Wednesday, 14th November

- 8:00 to 8:15 **Exhibitor Overview Presentations**
- 8:15 to 10:00 **HRSG Workshop**  
Optimum Operation of Steam  
Turbine Bypass Systems  
Chaired by R. Anderson, Competitive  
Power Resources, USA  
With Contributions from Fisher Flow  
Controls, USA and IMI CCI, USA, Nihon  
KOSO Co., Japan
- 10:00 to 10:30 **Morning coffee/tea within Exhibits**
- 10:30 to 11:00 **Inspection of HRSG after Four  
Years Service**  
M. Magnowski, APA, Queensland,  
Australia
- 11:00 to 11:30 **What is High Pressure Pipe Flexibility  
Analysis and Why is it needed as part  
of a more Targeted Inspection Regime  
for Improved HRSG/Combined Cycle  
Asset Management**  
J. Grace and J. Freeland, ALS, Australia
- 11:30 to 12:00 **A Conversation, HRSG  
and Steam Turbine**  
J. Roberts, Jacobs, Australia
- 12:00 to 13:30 **Working Lunch within Exhibits**
- 13:30 to 14:00 **HP Boiler Drum Replacement**  
S. Gupta, Tallawarra, Australia
- 14:00 to 14:30 **Update on Corrosion Fatigue in  
Economiser Tubes and Outage Findings  
at Te Rapa**  
R. Meijer, Contact Energy, New Zealand.
- 14:30 to 15:00 **General Open Floor Discussion  
and Questions Update on Corrosion.**
- 15:00 to 15:30 **Afternoon coffee/tea within Exhibits**

- 15:30 to 16:30 **International Experiences:  
International Experience on HRSG Cycle  
Chemistry Control and FAC**  
B. Dooley, Structural Integrity, UK  
**International Experience on HRSG  
Thermal Assessments**  
R. Anderson, Competitive Power  
Resources, USA
- 16:30 to 17:00 **General Open Floor Discussion  
and Questions**
- 17:00 **Day 2 Concludes**

### Day 3 – Thursday, 15th November

- 8:00 to 8:10 **Review of Day Two, General Open  
Floor Discussion and Questions**
- 8:10 to 10:00 **HRSG Workshop  
Corrosion Under Insulation - The  
Mechanism, Susceptible Insulation  
Materials and the Latest Detection  
Tools – CUI is Difficult to Find because  
of the Insulation that Masks the Problem  
until it is Too Late**  
D. Franke, C. Perrie, and L. Caldwell, ALS,  
Australia
- 10:00 to 10:30 **Morning coffee/tea within Exhibits**
- 10:30 to 11:00 **Cockburn Power Station Update**  
K. Newman, Synergy, Australia
- 11:00 to 11:30 **Interesting Advanced Ultrasonic  
Projects - Validation**  
C. Jones and C. Thomas, Quest Integrity,  
Australia and New Zealand
- 11:30 to 12:00 **General Open Floor Discussion  
and Questions**
- 12:00 to 14:00 **Working Lunch within Exhibits**
- 14:00 **Day 3 Concludes**