

PowerChem Asia Pacific 2018

Conference, Exhibition and Training Courses

Novotel Twin Waters, Sunshine Coast, QLD
Sunday 20 to Thursday 24 May 2018

THEME: INNOVATIVE CHEMISTRY IN ENERGY

AIM OF POWERCHEM CONFERENCE

- Provide a platform for Power Station Chemists with a broad understanding of industry drivers and key issues
- Provide power station chemists with best practice techniques from Australia and overseas
- Bring industry personnel with diverse experience together to share learnings and experiences to further develop personal networks for future business developments and careers

DELIVERY OF PROGRAM INCLUDES

- Residential, four day program in a first class learning environment
- Extensive use of case studies to share learnings, opportunities and issues encountered
- Diverse mix of expert presenters, panels and forums to ensure maximum learning outcomes
- Networking with high performing technical professionals identified as potential leaders in power station chemistry

DELEGATE BENEFITS

- Gain an understanding of Power Station Chemistry drivers and key issues
- Opportunity to learn of latest products and solutions from leading suppliers through exhibitor participation
- Update on best practice applications
- Established network of Power Station Chemistry contacts
- Copy of presentations after conference
- New practical skills and knowledge ready to be applied in the workplace

BENEFITS FOR EMPLOYERS WHO SEND DELEGATES

- Delegates will enhance their technical and leadership knowledge to improve overall business performance
- Allow professionals of all levels and diverse backgrounds to interact and share knowledge
- Provide innovative insight to resolve issues and provide solutions to improve company practice

EXHIBITION & SPONSORSHIP OPPORTUNITIES STILL AVAILABLE

Visit www.api.edu.au/upcomingevents for Sponsorship & Exhibition Prospectus. A full brochure including registration details will be provided in October. Stay tuned to API website for updates.

TECHNICAL ORGANISING COMMITTEE

- Colin Gwynne - Ampcontrol
- David Addison - Thermal Chemistry
- Des McInnes - Previously Stanwell Corp.
- Brett Connor - Stanwell Corp.
- David Plozza - Engie
- Geoff Grellman - Energy Australia
- Christian Knott - Osborne Cogen
- Barry Dooley - Structural Integrity Associates

CONFERENCE ORGANISER

Kendall Klingaman - The Australian Power Institute (kendall.klingaman@api.edu.au)

Local Attractions

Organise a social activity in the area with some of your fellow delegates. Suggestions to be provided. (These activities are optional and any costs involved will be at own expense)

Sunday 20th May

Time: 6:00 pm - 8.30 pm

Location: The Beach

Dress code: Hawaiian Theme

Cost: Inclusive for conference delegates. Additional guests: \$70.00

Welcome Reception

Relax and get to know one another at the Beach BBQ Welcome Reception hosted by "SPONSOR" on Sunday 19th May.

Held outside (weather permitting) on the lovely lagoon beach, giving you a chance to take in the relaxing lagoon views. Come along in your loudest Hawaiian shirt and catch up with friends and colleagues.

Starting at 6.00pm, food will be served through to 8.00pm.

The team at "SPONSOR" are looking forward to seeing you there. Prize given to the delegate with the loudest Hawaiian shirt!

CONFERENCE ISSUES/TOPICS TO BE ADDRESSED INCLUDE:

Cycle chemistry

- Corrosion and failures
- Deposition
- Boilers & HRSGs
- Air cooled condensers
- Lay-up & storage
- Changing generation mix

Ultrapure water treatment

- Condensate polishing
- Demineralising plant
- Stator water systems
- Reverse Osmosis

Water management

- Cooling water treatment
- Water re-use
- Scale control

Avoiding repeat failures

- Corrosion product monitoring
- Deposition on heat transfer surfaces
- Instrumentation, carryover, & shutdown protection
- Challenging the status quo
- Film forming compounds and application

**Please note that the above is a preliminary list. A full list including the detailed program schedule will be provided in October. Stay tuned to the API website.*

CALL FOR PAPERS

In addition to invited speakers, a number of papers will also be sought from the international and Australian power industry. One page abstracts (no more than 500 words) are to be emailed to Kendall Klingaman (kendall.klingaman@api.edu.au) for review by the Conference Technical Committee.

Please note that upon acceptance of your paper, all speakers are expected to register and pay to attend.

Deadline for submission: 10 NOVEMBER 2017

TRAINING COURSES (WEDNESDAY & THURSDAY) - exact times to be confirmed

Training is provided in small groups to ensure maximum delegate participation and value. Courses range from half day to 1.5 day courses. Courses only run if minimum numbers are met.

Training 1: Understanding the Basics and Advanced Cycle Chemistry Aspects will Lead to Increased Fossil and Combined Cycle / HRSG Power Plant Reliability

This one and a half day training workshop will be conducted by the leading international cycle chemists from IAPWS. The technical bases will be the IAPWS Technical Guidance Documents as well as the latest developing information from IAPWS on new technical areas such as film forming products. Some of the major topics included will be cycle chemistry influenced boiler/HRSG tube failures, flow-accelerated corrosion (FAC), air-cooled condensers (ACC), steam turbine failure and damage in the phase transition zone (PTZ), transport and deposition of corrosion products around the plants, instrumentation and corrosion product monitoring. The information provided and discussed will allow plant staff to reach optimum cycle chemistry control on the path to worldclass performance. The key analytical tools known as Repeat Cycle Chemistry Situations (RCCS) will be introduced to illustrate how these are used to avoid failure and damage across all generating plant.

Further Training Courses

International experts in Power Station Chemistry are invited to offer training courses for consideration by the Conference Technical Committee. Please contact Kendall Klingaman (kendall.klingaman@api.edu.au) to provide details.

Monday 21st: Conference Dinner

The API PowerChem Conference Dinner (LOCATION TBA)

Time: 7:00 pm - 11:00 pm Dress code: Smart Casual

Cost: Inclusive for conference delegates, additional guests: \$100.00