

PPCHEM FORUM USA

2019 PowerPlant Chemistry Forum USA

"Power Cycle Chemistry in a Changing World"
Kimpton Donovan Hotel, Washington, DC, USA
September 26–27, 2019



Speakers

David Addison, Thermal Chemistry, New Zealand

Stephen Shulder, EPRI, USA

Brad Buecker, ChemTreat, USA

Randy Turner, SWAN Analytical Inc., USA

Matt Craven, Southern Company, USA

Dennis Bitter, Atlantium Technologies, USA

Haruka Kido, Mitsubishi Hitachi Power Systems, Japan

Hayden Henderson, AGL, Australia

Joerg Fandrich, Framatome, Germany

Marnix Vermeersch, ENGIE, Laborelec, Belgium

Erin Westberg, Florida Power and Light / NextEra

John Powalysz, Sentry / Doug Hubbard, AEP, USA

F.-U. Leidich, Germany

- This international PPCHEM Forum brings together operational personnel, technical managers, plant engineers, boiler operators, cycle and plant chemists, corrosion scientists and service providers as well as manufacturers of major plant components and chemicals.
- This PPCHEM Forum is dedicated to advancing newest issues and developments in the power industry with special focus on cycling plants.
- This PPCHEM Forum will feature presentations on plant operation, layout, and chemistry. It will also feature interactive discussions with presenters, equipment specialists and users.
- Also 2 different workshops will be conducted during this event. One workshop is focused on the corrosion products in cycling and frequent starting plants. The second workshop is related to the application of Film Forming Substances (FFS) and the outcome of the last 3 international conferences about these substances.
- Well known and accepted national and international speakers will provide a truly international and detailed insight view of the latest developments of the power industry, sharing their experiences and debate solutions.

Attendees will receive unbiased details about the latest issues and developments in the industry and will hold wide ranging discussions with their peers active in power plant chemistry.

Sponsors

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ANALYTICAL INSTRUMENTS



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The Venue

The 2019 PowerPlant Chemistry Forum USA will take place at the Kimpton Donovan Hotel in Washington, DC. The hotel is located just a half-mile from the Convention Center, a quick walk to the White House, and four blocks from the Metro (where you'll find the orange, blue, and silver lines, making Ronald Reagan Washington National Airport one straight-shot Metro ride away).

A special room rate at the hotel is available for our participants. Simply choose how many nights you would like to stay when filling in the registration and we will do the rest.

Registration Fees

All rates below already include local taxes.

Additional guest room charges (parking, mini bar, etc.) are not included.

The registration fee includes mid-morning and mid-afternoon breaks, and lunches on Thursday and Friday as well as the conference dinner on Thursday, September 26, 2019.

Early Bird Fees (available until July 31, 2019)

1 Registration plus 1 night at the hotel	\$ 990.00
1 Registration plus 2 nights at the hotel	\$ 1,230.00
1 Registration plus 3 nights at the hotel	\$ 1,470.00

Regular Fees (from August 1 to August 31, 2019)

1 Registration plus 1 night at the hotel	\$ 1,090.00
1 Registration plus 2 nights at the hotel	\$ 1,330.00
1 Registration plus 3 nights at the hotel	\$ 1,570.00

Late Registration Fee (from September 1, 2019)

1 Registration (hotel room not included)	\$ 950.00
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The fee also includes an e-paper subscription to the PPCHEM® journal from November/December 2019 until September/October 2020.

This will be adding an extra value to your participation worth \$ 125.00.



If you register after August 31, 2019, a hotel room at the special rate cannot be guaranteed.

To register please visit

<https://ppchem.cvent.com/PPCFUSA2019>.

Vendor Exhibition

Exhibition and Sponsorship: Space is available for exhibits associated with all aspects of the forum. Sponsorship opportunities are also available.

For more information please contact Tapio Werder at tapio.werder@ppchem.com.

Contacts

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Preliminary Agenda

Day 1, Sep. 26

- 08:00 – 09:00 **Registration**
- 09:00 – 09:10 **Welcome and Opening Remarks**
- 09:10 – 10:10 **KEY NOTE**
Consequences of Suboptimal Cycle Chemistry Compliance
David Addison, Thermal Chemistry, New Zealand
- 10:10 – 10:40 **Integrating Safety into a Cycle Chemistry Assessment**
Stephen Shulder, EPRI
- 10:45 – 11:15 Coffee / Tea within Exhibit
- 11:15 – 11:45 **Case Histories to Help Enlighten New Power Plant Chemistry Personnel**
Brad Buecker, ChemTreat
- 11:45 – 12:15 **Update on Flow Accelerated Corrosion (FAC)**
Stephen Shulder, EPRI
- 12:15 – 13:15 LUNCH
- 13:15 – 13:45 **Intelligent Chemistry Alarms**
John Powalisz, Sentry / Doug Hubbard, AEP
- 13:45 – 14:15 **User Experience on Chemistry Automation**
Erin Westberg, Florida Power and Light / NextEra
- 14:15 – 14:45 **Corrosion Product Transport Monitoring with Non-contact Nephelometry**
Randy Turner, SWAN Analytical USA, Inc.
- 14:45 – 15:15 **Root Cause Analysis: Can Tube Failures Be Caused by Fleet Flexibility?**
Matt Craven, Southern Company
- 15:15 – 15:45 Coffee / Tea within Exhibit
- 15:45 – 17:30 **Workshop and Discussion on Corrosion Products in Cycling Plants**
Includes also short presentations (\approx 10 min. each, to allow a wider discussion):
· Total-Iron at Cycling CCPs – Michael Rziha, PPCHEM AG, Switzerland
· Lay-up – the New Mode of Operation – F.-U. Leidich, Germany
· Advances in Cycle Chemistry Sampling Equipment for Cycling Plants – John Powalisz, Sentry
- 18:30 Cocktail Hour and Joint Dinner
Day 1 Concludes

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Preliminary Agenda

Day 2, Sep. 27

- 09:00 – 09:45 **KEY NOTE**
Cycling Operation of Nuclear Power Plants – Consequences for the Plant Chemistry
J. Fandrich, Framatome, Germany
- 09:45 – 10:15 **Micro-dosing of Polyacrylic Acid (PAA) to Mitigate Steam Generator Tube Denting in Pressurized Water Reactors (PWR) – "What's in it for HRSGs in Flexible Operation?"**
Marnix Vermeersch, ENGIE, Laborelec, Belgium
- 10:15 – 10:45 **Low Load Operation Impact on Power Plant Chemistry**
F.-U. Leidich, Germany
- 10:45 – 11:15 Coffee / Tea within Exhibit
- 11:15 – 11:45 **Membrane Performance Following Five Years of Continuous Use of Hydro-Optic UV Dechlorination at Plant Bowen**
Dennis Bitter, Atlantium Technologies, Florida / Ytzhak (Itzik) Rozenberg, Atlantium Technologies, Israel / Aaron Nickles, Southern Company- Plant Bowen, Cartersville
- 11:45 – 12:15 **Ammonia Distribution between Steam and Water Phases of HRSG**
Haruka Kido, Mitsubishi Hitachi Power Systems, Ltd
- 12:15 – 13:15 LUNCH
- 13:15 – 13:45 **Trial on Film Forming Substances (FFS) at a Coal Fired Power Station in Adelaide**
Hayden Henderson, AGL, Australia
- 13:45 – 15:45 **Workshop and Discussion on the Use of Film Forming Substances (FFS)**
Includes also short presentations (\approx 10 min. each, to allow a wider discussion):
· Cycle Chemistry Issues due to the Incorrect Application of FFS – David Addison, Thermal Chemistry, New Zealand
· Highlights of the last 3 Conferences on FFS – Michael Rziha, PPCHEM, Switzerland
· The IAPWS Technical Guidance Documents on FFS – Michael Rziha, PPCHEM, Switzerland
· Highlights of the 3 Film Forming Product Users Group Meetings – Stephen Shulder, EPRI
· The EPRI Interim Guidelines for the Application of Film Forming Products in Conventional and Combined Cycle Power Plants – Stephen Shulder, EPRI
- 15:45 – 16:00 Wrap Up & Final Discussion
- 16:00 Coffee / Tea within Exhibit - Forum Concludes