

THE VIRTUAL

# PPCHEM FORUM USA

Thursday, September 23, 2021  
10 am to 3 pm Central Time



## "Changing World – The Challenge of Sampling, Monitoring and Data Management in Cycling Plants"

This forum is a continuation to the forum held in 2019 in Washington D.C. ("Power cycle chemistry in a changing world") and will be of major interest to

- Operational personnel
- Technical managers
- Plant engineers
- Boiler operators
- Steam turbine operators
- Cycle and plant chemists

Papers from well-known and acknowledged experts from the USA and from overseas will be presented.

The official language of this conference will be English.

A proper and correct chemical control is essential for each steam generating plant. However, gaining correct, precise and true results becomes more and more challenging when units are forced to frequent and heavy cycling. This Forum will provide excellent insights into the latest experiences in the industry; both in the USA and worldwide. Numerous examples from fossil, combined cycle, and other plants from the USA and around the world will demonstrate the approach to tackle these challenges. Newest technical developments, addressing those challenging working conditions will be presented. The Forum will review and discuss the status quo of current R&D efforts in this respect. The conference will consist of both invited and contributed technical papers. Share your experience with your colleagues and take advantage of the chance to present a case study covering one of the below listed topics.

### Major Topics

- Cycling Operation and its challenges
- Monitoring corrosion product release and transportation in cycling plants
- Chemical control and monitoring for cycling plants
- Chemistry during start up
- Sampling Systems and Instrumentation in cycling plants
- Risks for chemical upsets in cycling plants

For more information contact the Conference Office or visit <https://ppchem.com/conferences/>. Registrations can be made using the registration form on the last page.

Program Manager  
**Mr. Michael Rziha**  
Mobile: +41 79 521 02 22  
E-mail: [michael.rziha@ppchem.com](mailto:michael.rziha@ppchem.com)

Conference Office  
**Ms. Corinne Kirchhofer**  
Phone: +41 44 940 23 00  
E-mail: [seminars@ppchem.com](mailto:seminars@ppchem.com)

Sponsorship Manager  
**Mr. Tapio Werder**  
Mobile: +41 79 244 34 92  
E-mail: [tapio.werder@ppchem.com](mailto:tapio.werder@ppchem.com)

The forum will be held virtually, by means of GotoWebinar.

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## "Changing World – The Challenge of Sampling, Monitoring and Data Management in Cycling Plants"

- 10:00 – 10:15 **Welcome and Introduction**  
Michael Rziha, PPCHEM AG, Switzerland
- 10:15 – 10:45 **Operational experience with EDI technology for CACE measurement**  
Mar Nogales, Swan Analytical Instruments, Switzerland
- 10:45 – 11:15 **Weighted Salt Hours, A New Approach for Cycling Plants**  
Dr. Frank Udo Leidich, Germany
- 11:15 – 11:45 **Advances in Cycle Chemistry Sampling Equipment for Cycling Power Plants**  
John Powalisz, SentryEquipment, USA
- 11:45 – 12:00 Q & A
- 12:00 – 13:00 LUNCH
- 13:00 – 13:30 **Flexible/Cycling Plant Management, Operating and Financial Demands on Cycle Chemistry and the Critical need for Robust Sampling, Monitoring and Data Analysis for Risk Management**  
David Addison, Thermal Chemistry, New Zealand
- 13:30 – 14:00 **Cycle Chemistry Process Control Automation and Monitoring/Alarm Management**  
Steve Shulder, USA
- 14:00 – 14:30 **Enhanced Iron Monitoring for Steam Generating Units**  
Brad Buecker, ChemTreat, Inc. & Ken Kuruc, Hach, USA
- 14:30 – 15:00 **Sample conditioning – What, Why, How**  
Kevin Murphy, Swan Analytical USA, INC., USA
- 15:00 – 15:15 Q & A
- 15:15 Closing Remarks – END

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