PPCHEM SEMINAR

Monitoring and Avoidance of Chemical Issues in Water-Steam Cycles

- Regardless of the size or the type of power plant, or whether it is an industrial power plant or a pure power generation plant, the chemistry in the water-steam cycle plays an important role.
- Correct and precise control of the chemistry in the various process cycles and systems is therefore of crucial importance.
- Contamination and deviations from the recommended chemical operating values must be detected and addressed without delay.
- How important is the chemistry in the water-steam cycle of any power plant (power generation, process steam supply, industrial power plant, etc.)? Is this just a minor issue, or can it have expensive and critical consequences?
- Which parameters should be measured and where and how and why?
- How do I use the chemical data to operate "my" plant safely and economically?
- What can happen if chemical parameters become out of specification, and what is the best way to respond?
- How can damage be prevented with good instrumentation?







Agenda

Tuesday, October 14, 2025

09:30 Welcome and Introduction of the Speakers

09:40 Michael Rziha, PPCHEM AG Case Studies on Damage and Impairment Caused by Chemistry and the Associated **Economic Effects**

11:00 Coffee and Tea

11:30 Michael Rziha, PPCHEM AG Typical and Frequent Chemical Issues in Cycling Plants

12:30 Q&A

12:45 Lunch

13:45 Viviane Utiyama, Swan Brazil VGB-Standard VGB S-006 (Sampling and Sample Conditioning / SWAS) and Best Practices for Sample Conditioning and Sampling Systems

15:00 Coffee and Tea

15:30 Michael Rziha, PPCHEM AG Extreme Steam Turbine Damage of a 700 MW ST

16:15 Michael Rziha, PPCHEM AG Evaluation of Operating Data (Data Management)

17:00 Q&A

19:00 Dinner



$\left| \stackrel{\frown}{\hookrightarrow} \right|$ Responsible for the Seminar Program

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E-mail: michael.rziha@ppchem.com

Wednesday, October 15, 2025

09:00 Michael Rziha, PPCHEM AG Chemical Issues and Requirements in Plants with Steam Extraction and Process Steam Condensate Return

09:30 Oscar Kimura, Swan Analytical Instruments Condensate Monitoring in Process Steam and Power Plant Applications

10:30 Coffee and Tea

11:00 Oscar Kimura, Swan Analytical Instruments The Advantages of Degassed Conductivity and AMI CACE in Cycling Plants

11:30 Michael Rziha, PPCHEM AG Dissolved Hydrogen as a Sensitive Indicator of Active Corrosion and for the Optimization of the **Applied Chemical Operation**

12:00 Luiz Fernando Cortez, Âmbar Energia Oxide Exfoliation

12:45 Lunch

14:00 Oscar Kimura, Swan Analytical Instruments Turbidity Measurement – The Perfect Tool to Follow Total-Iron in Cycling Plants

14:45 Ricardo Soares, RED Engenharia Chemical Boiler Cleaning

15:30 Michael Rziha, PPCHEM AG Plant Preservation in Cycling Plants -A Challenging but Important Task

16:15 Concluding Discussion/Q&A



Power & Plant Chemistry



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RED Engenharia Unidade Camaçari, BA Unidade Itatiba, SP www.redengenharia.com.br



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Venue

The seminar will take place at the Hotel Meliá Ibirapuera, São Paulo, Brazil.

Hotel Meliá Ibirapuera

Avenida Ibirapuera, 2534 – Moema 04028-002 São Paulo

https://events.melia.com/en/events/ melia-ibirapuera/EVENTO-Swan-x-ppchem

A hotel room is **not** included in the participation fee; participants are responsible for booking their own accommodations.



Registration

- Early Bird Registration Fee 800 BRL (Registrations made before August 30, 2025)
- Regular Registration Fee

950 BRL

Included in the registration fee are:

- all presentations as a digital file (pdf)
- further literature in digital form (pdf)
- a free E-Paper subscription to the PPCHEM® journal for a year
- certificate of participation
- two lunch buffets, one dinner, and coffee breaks between sessions

VAT is not included in these prices. All payments must be made before October 10, 2025.

A hotel room is not included in the participation fee; participants are responsible for booking their own accommodations.

The general terms and conditions of PPCHEM AG apply.



Sign Up



Payment Details

Bank details for payment of the registration fee:

PIX: 32.924.777.0001-37 (CNPJ) Swan Instrumentos Analíticos do Brasil Ltda Banco do Brasil - 001 AG 1557-1 C/C 28296-0

For questions regarding **registration**, please contact the registration office.

Click here to sign up



| | Registration Office

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For questions regarding **sponsorship**, please contact the conference office.



| | Conference Office

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For more information about the event, please visit: www.ppchem.com/event/ppchem-seminar-brazil-2025/







