



IAPWS Seventh Meeting of the European HRSG Forum (EHF2021)



To be held as a virtual event on 18th and 20th May 2021

Content/Topics

The major themes of this international conference will include:

- HRSG tube failures (HTF) (FAC, thermal fatigue, creep-fatigue, under-deposit corrosion)
- Pressure part failure mechanisms related to condensate, drains, and attemperator systems
- Identifying and avoiding damaging thermal transients in pressure parts
- Water treatment and cycle chemistry for HRSGs
- HRSG preservation for different operational modes
- Behavior and measurement of total iron for operation and daily start/stop
- Material selection and new material applications
- Optimization of plant controls
- Environmental aspects
- Fast Start HRSGs
- Balance of plant including the steam turbine, condenser, and air-cooled condenser.

This IAPWS international conference is being organized by PPCHEM AG in virtual space using GoToWebinar. For more information and to register, please visit www.iapws-ehf.com/2021.

The conference language will be English.

The International Steering Committee

Barry Dooley (Co-Chair), Structural Integrity, UK

Dan Blood (Uniper Technologies, UK)

Jose-Maria Bronte (Bahía Bizkaia Electricidad, Spain)

Jean-François Galopin (Cockerill/CMI, Belgium)

Kalos Vasileios (GE, USA)

Bob Anderson (Co-Chair), (Competitive Power, USA)

Raymond Gunnewijk (Siemens, The Netherlands)

Roula Kastanaki (PPC, Greece)

Michael Rziha (PPCHEM, Switzerland)

Registration

Early Bird (until April 20, 2021) € 70,00

Regular (from April 21, 2021) € 100,00

VAT not included. All payments must be made within 30 days of the invoice date. PPCHEM AG does not accept checks. If full payment is not received in time, the participant will be refused entry to the webinar.

Payments by bank transfer must be received on PPCHEM AG's bank account latest 3 calendar days prior to the start of the webinar.

For more Information on Organization, Registration, and Sponsorships, please visit the website www.iapws-ehf.com/2021 or contact Tapio Werder, PPCHEM AG:

Mobile: +41 79 244 34 92 – E-mail: tapio.werder@ppchem.com.



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IAPWS Seventh Meeting of the European HRSG Forum (EHF2021) Initial Agenda



Day 1 – Tuesday, 18th May 2021.

All Times are European Time (GMT + 1).

Each 25 minute presentation slot includes presentation plus 5 minutes question & answers

11:00 **Opening Remarks.** Conference Chairmen: B. Dooley, Structural Integrity, UK, and R. Anderson, Competitive Power Resources, USA.

Session 1.

11:15 **Adding a Level of Pressure at the Back End of an Existing HRSG to Further Recover Heat – Fujeirah, Emirates.**
R. Stevens and J.-F. Galopin, John Cockerill, Belgium.

11:40 **On-Off or Control Valve.**
P. Galik, Emerson Flow Controls, UK.

12:05 **Advanced Component Fatigue Monitoring Approaches using the Example of a Boiler Recirculation Pump.**
J. Rudolph, Framatome, Germany.

12:30 **Latest Research and Field Results on Safety and Efficiency of the PressureWave⁺ Cleaning Process for HRSGs.**
M. Keusch, BANG&CLEAN Technologies AG, Switzerland, and C. Jenni and M. Sutter, ZHAW, University of Applied Science Zurich, Switzerland.

12:55–13:25 **Open Discussion and Q&A Period**

Session 2.

14:00 **Small Modular Once-Through Boilers.**
J.-F. Galopin, John Cockerill, Belgium.

14:25 **HRSG Superheater / Reheater Tube Failures: Creep or Fatigue?.**
I. Perrin, Triaxis Power Consulting, USA.

14:50 **Drum Level Instrumentation and Compliance with PED and ASME Requirements.**
J. Kolbus, Clark-Reliance, USA.

15:15 **Is Every Weld a Dissimilar Metal Weld?**
J. Henry, Applied Thermal Coating, USA.

15:40 **Updates on Cycle Chemistry Control (Including IAPWS) and FAC.**
B. Dooley, Structural Integrity, UK.

16:05–16:40 **Open Discussion and Q&A Period**



IAPWS Seventh Meeting of the European HRSG Forum (EHF2021) Initial Agenda



Day 2 – Thursday, 20th May 2021.

All Times are European Time (GMT + 1).

Each 25 minute presentation slot includes presentation plus 5 minutes question & answers

11:00 **Opening Remarks.** Conference Chairmen: B. Dooley Structural Integrity, UK, and R. Anderson, Competitive Power Resources, USA.

Session 3.

- 11:15 **Case Study on Large Side Wall Movement Penetration Seals.**
J. Waterhouse, Dekomte, UK.
- 11:40 **Operational Challenges of CSEF Steels in Modern Boiler Plant.**
E. N. Burton and P. J. James, Uniper Technologies Limited, UK.
- 12:05 **Non-intrusive Ultrasonic Flow Measurements for High Temperature Applications in Combined Cycle Power Plants.**
D. Funk, Flexim, Germany.
- 12:30 **Different Upgrades in Valves and Control Valves to Improve Reliability, Startup Times and Maintainability.**
K. Van Wijk, Advanced Valve Solutions, USA.
- 12:55–13:25 **Open Discussion Period**
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Session 4.

- 14:00 **Cycle Chemistry at Azito Combined Cycle Plant.**
W. Yede and H. Boua, Azito O&M, Cote d'Ivoire.
- 14:25 **Preventing Erosion in HP Bypass Valves.**
R. Anderson, Competitive Power Resources, USA.
- 14:50 **Welding and Repair of HRSGs.**
B. Kitterman, Bremco, USA.
- 15:15 **Application of Cetamine Analytical Methods in HRSGs.**
A. de Bache, T. Wittig and J. Jasper, Kurita Europa GmbH, Germany.
- 15:40 **Pressure Part Failure Mechanisms Related to Condensate, Drains, and Attenuator Systems.**
T. Chelvan, Siemens Energy, Florida, USA.
- 16:05–16:40 **Open Discussion and Q&A Period
Closing Remarks**
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