

**The Second International Conference
Instrumentation for Power Plant Chemistry**

with an Exhibition

Mövenpick Hotel Stuttgart Airport, Stuttgart, Germany

November 15–17, 2010

GENERAL INFORMATION

The conference consists of both invited and contributed technical papers. Negotiations are under way to publish conference proceedings of reviewed papers and discussion. Selected papers will appear in the PowerPlant Chemistry® journal.

The official language of this conference is English.

CONFERENCE AGENDA

November 15, 2010

- 9:00 Registration; Continental Breakfast
- 9:45 Welcome and Introduction

Session 1

- 10:00 Paper #1
Key Instrumentation in BWR Plants
A. Ländner, B. Stellwag, and J. Fandrich (Areva NP GmbH)
- 10:35 Paper #2
Advanced Conductivity Measuring Technology
D. M. Gray and S. Raabe (Mettler-Toledo Thornton, Inc.)
- 11:10 Session 1 – Discussion
- 11:20 Coffee Break

Session 2

- 11:50 Paper #3
Sodium Measurement in the ppt Range
P. Trösch (Swan Analytical Instruments)
- 12:25 Paper #4
Optimizing Coagulation and Filtration Using Streaming Current Measurement
R. L. Bryant (Chemtrac Systems, Inc.)
- 13:00 Session 2 – Discussion
- 13:10 Lunch Break

- 14:30 **Instrument Manufacturer's Window #1**
Swan Analytical Instruments

Session 3

- 15:00 Paper #5
Chemistry Related On-Line Monitoring of PWRs
A. Drexler, V. Schneider, and J. Fandrich (Areva NP GmbH)
- 15:35 Paper #6
New Developments in Ion Chromatography for the Power Generating Industry – From Inline Preconcentration Techniques to Reagent-Free IC in the Capillary Format
J. Weiss (Dionex Corporation)
- 16:15 Session 3 – Discussion
- 16:25 Coffee Break
- 16:55 General Floor Discussion

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- 8:00 Continental Breakfast

Session 4

- 9:00 Paper #7
Key Instrumentation for Monitoring of Cycle Chemistry for Fossil-Fired Power Plants
A. Bursik (PowerPlant Chemistry GmbH)
- 9:35 Paper #8
Real-Time Corrosion Product Transport Monitoring Using Online Particle Monitors
J. R. Zimmerman (Chemtrac Systems, Inc.)
- 10:10 Session 4 – Discussion
- 10:20 Coffee Break

Session 5

- 10:50 Paper #9
Instrumentation Requirements for Commissioning of Heat Recovery Steam Generators
M. Rziha (Siemens Power Generation AG)
- 11:25 Paper #10
Reliable Oxygen Measurement
L. Staub (Swan Analytische Instrumente AG)
- 12:00 Paper #11
Dissolved Oxygen and ORP Measurement in Power Plant Chemistry
D. M. Gray (Mettler-Toledo Thornton, Inc.)

- 12:35 Session 5 – Discussion
 12:50 Lunch Break
 14:10 **Instrument Manufacturer's Window #2
 Structural Integrity Associates**
Session 6
 14:40 Paper #12
**Analytics and Control of Organic Boiler Feedwater
 Additives Based on Film Forming Amines in Steam
 Generators**
 A. de Bache and M. Urschey
 15:15 Paper #13
**Optimization of Biofilm Control Using an Online
 Monitor: Case Studies from around the World**
 H. Fallon and G. J. Licina (Structural Integrity
 Associates)
 15:50 Session 6 – Discussion
 16:00 Coffee Break
 16:30 General Floor Discussion

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- 8:00 Continental Breakfast
Session 7
 9:00 Paper #14
**Chemistry Related Monitoring of Generator Cooling
 Systems**
 R. Svoboda and M. Svoboda (Svoboda Consulting)
 9:35 Paper #15
**Eddy Current Inspection Technology: Latest
 Developments for the Power Industry**
 I. Becker (ec-works GmbH)
 10:10 Session 7 – Discussion
 10:20 Coffee Break
Session 8
 10:50 Paper #16
Quality Assurance of Process Measurements
 M. Lendi (Swan Analytical Instruments)
 11:25 Paper #17
**Analytical Measurement Integrity in the Thermal
 Steam/Water Cycle:
 Some Old Truths and Some New Approaches**
 M. Modla (ABB Measurement Products)
 12:00 Session 8 – Discussion
 12:10 **Instrument Manufacturer's Window #3
 TBA**
 12:40 Lunch Break
Session 9
 14:00 Paper #18
**Cycle Chemistry Monitoring in Industrial Steam and
 Power Generating Plants – Specific Issues**
 A. Bursik (PowerPlant Chemistry GmbH)
 14:25 Paper #19
**State of the Art Automated On-Line Analysis with
 Chemical Expert System for Eskom Medupi Power
 Station**
 E. Maugham (College of Knowledge)
 15:00 Session 9 – Discussion
 15:10 Coffee Break
 15:40 General Floor Discussion
 16:00 Closing Remarks, Adjournment of Conference

Conference Coordinator

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Vendor Exhibition

There will be a special vendor exhibition at the conference. Contact the conference coordinator for more information or to reserve space.

Accommodations

Attendees will be responsible for making their own hotel reservations. If reserving at the Mövenpick Hotel Stuttgart Airport, please make sure to refer to the BHT Conference by name when making your reservation to receive the special group rate at the hotel. Hotel contact data:

Mövenpick Hotel Stuttgart Airport
 Flughafenstr. 50
 70629 Stuttgart
 Phone: +49-(0)711-553440
 Fax: +49-(0)711-553449000

Who Should Attend

This conference will be of major interest to

- Chemists and engineers responsible for monitoring chemistry-related parameters in fossil and nuclear power plants and at industrial steam and power producers
- Personnel involved in servicing, calibration and maintenance of chemistry-related instrumentation
- Instrumentation developers
- Original equipment manufacturers (OEMs) supplying the power industry
- Component suppliers for the power generation industry
- Architects and engineers working for the power generation market
- Salespersons active in this field

Attendee (including Speaker/Author) Registration Fees

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| Attendee | € 830.00 |
| Government Agencies and Academia | € 750.00 |

Prices include the currently valid VAT.

The registration fee includes

- Access to the conference sessions and exhibition for three days
- Continental breakfasts, lunches, and two coffee breaks for three days
- One evening cocktail reception
- Conference materials

If you have a disability or special dietary requirements, please contact the Conference Coordinator.