The First Meeting of the EHF (European HRSG Forum)  
May 12–13, 2014 in the NH Hotel in Heidelberg, Germany

Keynote Speakers:
Dr. Barry Dooley (Structural Integrity Associates), Professor Albert Bursik (Consultant), Bob Anderson (Competitive Power Resources), Michael Rziha (Siemens AG Energy Sector)

EHF Steering Committee:
Ladislav Bursik (BHT GmbH), Dr. Barry Dooley (Structural Integrity Associates), Jose-Maria Bronte (BBE), Christian Fraikin (CMI Energy), Raymond Gunnewijk (NEM), Michael Rziha (Siemens AG Energy Sector), Simone Simoncini (ENEL)

Format and Main Topics
The forum will consist of long and short presentations with the latter allowing short plant updates or interesting recent experiences. There will be discussion periods on topics selected by the participants. The following represent some of the topics that will be covered:

- HRSG tube failures (flow-accelerated corrosion, thermal fatigue, creep-fatigue, under-deposit corrosion)
- Pressure part failure mechanisms related to condensate, drains and attemperator systems
- Water treatment and cycle chemistry for condensate, feedwater and evaporators
- Shutdown/layup/storage processes
- Identifying and avoiding damaging thermal transients in pressure parts
- Specification for new HRSGs
- Material selection
- Optimization of plant controls
- Environmental aspects
- Balance of plant including the steam turbine, condenser, and air-cooled condenser.

Conference Official Language
The official language of this conference will be English.

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

Abstract Submittal, Logistical Contact, and Technical Information
Ladislav Bursik  
Phone: +49-(0)7071-38313  
Fax: +49-(0)7071-35040  
E-mail: ladi.bursik@bht-gmbh.com

CONFERENCE SPONSORS

bht gmbh  
PPChem  
Swan

Analytical Instruments
### Day 1 – Monday, 12th May 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 to 9:00</td>
<td>Registration and Welcome Coffee/Tea</td>
</tr>
<tr>
<td>9:00 to 9:10</td>
<td>Opening Remarks</td>
</tr>
<tr>
<td></td>
<td>Ladi Bursik, BHT, Germany, Barry Dooley, Structural Integrity, U.K.,</td>
</tr>
<tr>
<td></td>
<td>and Bob Anderson, Competitive Power Resources, U.S.A.</td>
</tr>
<tr>
<td>9:10 to 9:40</td>
<td>General Open Floor Discussion and Questions</td>
</tr>
<tr>
<td>9:40 to 10:05</td>
<td><strong>HRSG – The Continuous Challenge</strong></td>
</tr>
<tr>
<td></td>
<td>José Mª Bronte, BBE, Spain</td>
</tr>
<tr>
<td>10:05 to 10:35</td>
<td>Morning Coffee/Tea</td>
</tr>
<tr>
<td>10:35 to 11:20</td>
<td>Short Presentations on Plant Updates (~15 minutes each)</td>
</tr>
<tr>
<td></td>
<td>- Overview of FAC Programme for RWE’s HRSGs</td>
</tr>
<tr>
<td></td>
<td>Martin Conqueror, RWE npower, U.K.</td>
</tr>
<tr>
<td></td>
<td>- Increased Condensate Ammonia Dosing in Aghada Unit 2</td>
</tr>
<tr>
<td></td>
<td>Fiona Spellissy, ESB, Ireland</td>
</tr>
<tr>
<td></td>
<td>- Sampling System Requirements for Flexible CCPP Operation</td>
</tr>
<tr>
<td></td>
<td>Manuel Sigrist, Swan Systeme AG, Hinwil, Switzerland</td>
</tr>
<tr>
<td>11:20 to 11:40</td>
<td>General Open Floor Discussion and Questions</td>
</tr>
<tr>
<td>11:40 to 12:00</td>
<td>Review of HRSG Capabilities for Flexible Operation</td>
</tr>
<tr>
<td></td>
<td>Pascal Decoussemaker, ALSTOM (Switzerland) Ltd.</td>
</tr>
<tr>
<td>12:00 to 12:20</td>
<td>Improved HRSG Efficiency: Practical Experience with Bang &amp; Clean® Method - Cleaning HRSGs Faster and More Efficiently</td>
</tr>
<tr>
<td></td>
<td>Markus Bürgin, BANG&amp;CLEAN Technologies AG, Switzerland</td>
</tr>
<tr>
<td>12:20 to 12:30</td>
<td>Discussion on Last Two Presentations</td>
</tr>
<tr>
<td>12:30 to 13:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:30 to 13:55</td>
<td><strong>HRSG – FAC Mitigation by Water Chemistry Control</strong></td>
</tr>
<tr>
<td></td>
<td>André Zander, AREVA GmbH, Germany, Anke Söllner, and Wolfgang Glück, Siemens Power Generation, Germany</td>
</tr>
<tr>
<td>13:55 to 14:30</td>
<td>General Open Floor Discussion and Questions</td>
</tr>
<tr>
<td>14:30 to 14:50</td>
<td>Pieces of Ancient Wisdom Make Sense Even for Modern Combined Cycles with HRSGs</td>
</tr>
<tr>
<td></td>
<td>Albert Bursik, Consultant, Germany</td>
</tr>
<tr>
<td>14:50 to 15:20</td>
<td>Afternoon Coffee/Tea</td>
</tr>
<tr>
<td>15:20 to 16:20</td>
<td>Short Presentations on Recent Updates (~15 minutes each)</td>
</tr>
<tr>
<td></td>
<td>- The Latest IAPWS Guidance Documents for Combined Cycle Plants: Steam Purity and Iron Monitoring</td>
</tr>
<tr>
<td></td>
<td>Barry Dooley, Structural Integrity, U.K.</td>
</tr>
<tr>
<td></td>
<td>- Addressing Superheater and Reheater Drain Problems in HRSGs</td>
</tr>
<tr>
<td></td>
<td>Bob Anderson, Competitive Power Resources, U.S.A.</td>
</tr>
<tr>
<td></td>
<td>- HRSG Applications, Guided Wave Radar for Drum Level Measurements</td>
</tr>
<tr>
<td></td>
<td>Martijn de Boer, NEM BV, The Netherlands</td>
</tr>
<tr>
<td></td>
<td>- Penetration Seals for HRSGs</td>
</tr>
<tr>
<td></td>
<td>Ulrich Stoehrer, Dekomte de Temple, Germany</td>
</tr>
<tr>
<td>16:20 to 17:00</td>
<td>General Open Floor Discussion and Questions</td>
</tr>
<tr>
<td>17:00 to 19:00</td>
<td>Reception</td>
</tr>
</tbody>
</table>
Day 2 – Tuesday, 13th May 2014

8:00 to 8:30  General Open Floor Discussion and Questions

8:30 to 8:55  Developing the Optimum Cycle Chemistry for HRSGs
              Barry Dooley, Structural Integrity, U.K.

8:55 to 9:15  Increased Heat Transfer, Efficiency, and Decreased CO₂ Emissions by HRSG Maintenance (Cleaning) and Overhaul
              Keith Boye, Precision Iceblast Corporation, U.S.A.

9:15 to 10:00 Presentations on Recent Updates (~15 minutes each)
              – The Influence of Film Forming Amines on the Exchange Behaviour of Condensate Polishing Resins
                Jo Savelkoul and Frank Oesterholt, KWR Watercycle Research Institute, The Netherlands,
                Roy van Lier, SABIC Technology & Innovation, The Netherlands, and Wolfgang Hater, ICL Water
                Solutions, Germany
              – HRSG Waterside Process Simulation Helps to Diagnose Causes of Pressure Part Deterioration and Failures
                Marc Graham, Tetra Engineering (Europe), France
              – Iron Monitoring with Non-contact Nephelometry
                Lars Dittmar, Swan Analytische Instrumente GmbH, Ilmenau, Germany

10:00 to 10:30  Morning Coffee/Tea

10:30 to 11:00 General Open Floor Discussion and Questions

11:00 to 11:20  A New Approach to Steam Cooling for Increased Efficiency and Flexibility in Modern Steam Plants
                Matthias Dirbach, Holter Regelarmaturen, Germany

11:20 to 11:45 Attemperator Problems in HRSGs
                Bob Anderson, Competitive Power Resources, U.S.A.

11:45 to 12:00 Discussion on Last Two Presentations

12:00 to 13:15 Lunch

13:15 to 13:45 Presentations on Plant Updates
              – Dry Lay-up of Steam Generators with Film Forming Amines: Studies and Field Experiences
                Wolfgang Hater and André de Bache, ICL Water Solutions, Germany, and
                T. Petrick, University of Zittau, Germany
              – Chemical Cleaning of HRSGs
                Ladi Bursik, BHT, Germany

13:45 to 14:15 General Open Floor Discussion and Questions

14:15 to 14:40 Adaptation of a Proven Structural Health Monitoring Solution to Online Creep-Fatigue Monitoring
              and Detailed Calculation
                Jürgen Rudolph and Steffen Bergholz, AREVA GmbH, Germany

14:40 to 15:05 CMI Boiler Stress Evaluator: A Tool to Monitor and/or Evaluate the Combined Fatigue and Creep Damages in a Boiler
                Jean-François Galopin, CMI Energy, Belgium

15:05 to 15:20 Short Presentations on Recent Updates
              Latest EPRI Chemistry Guidelines for Combined Cycle/Heat Recovery Steam Generators (HRSGs)
                Mike Caravaggio, EPRI, U.S.A.

15:20 to 16:00 Discussion on Last Three Papers
              General Open Floor Discussion and Questions

16:00  EHF Close and Afternoon Coffee/Tea

Hotel Reservation

Make your own reservation at:
or contact Ladi Bursik at ladi.bursik@bht-gmbh.com.

How to get there:

From Frankfurt International Airport: take the Lufthansa shuttle service to Heidelberg. The bus departs every hour from Terminal 1, Arrival Area Exit B3, operating from 8:00 a.m. until 11:00 p.m. The trip takes about 75 minutes.
The First Meeting of the EHF (European HRSG Forum) 
May 12–13, 2014, Heidelberg, Germany

Please register me for the above meeting.

Print, type, or attach business card.

Name ____________________________________________________________

Title/Department ________________________________________________

Organization ____________________________________________________ VAT# __________________________

Address ________________________________________________________

City/State/Zip ____________________________________________________

Phone __________________________ Fax __________________________ E-mail __________________________

Signature __________________________________________________________________________

Please return the completed registration form to Ladislav Bursik, Conference Coordinator, BHT GmbH, Kaeppel 15, D 72127 Kusterdingen-Wankheim, Germany or fax it to +49-(0)7071-35040. Registration per e-mail to ladi.bursik@bht-gmbh.com is also possible.

Fees

☐ Standard Registration: €620

☐ Speaker Registration: €580 (one presenter per paper)

☐ Government Agencies and Academia: €580

Prices do not include the currently valid VAT.

Method of Payment

☐ I will send a check, payable to BHT GmbH, and mail it to BHT GmbH, Kaeppel 15, D 72127 Kusterdingen, Germany. The processing fee of €25 is added to the amount.

☐ I will transfer the amount to the BHT GmbH account at the Volksbank Esslingen, BLZ 61190110, account # 202050009

BIC: GENODES1ESS

IBAN: DE86 6119 0110 0202 0500 09

Your registration fee includes mid-morning and mid-afternoon breaks, lunches on Monday and Tuesday, the Conference Reception on Monday, and conference materials.

If you have a disability or special dietary requirements, contact the Conference Coordinator by e-mail to ladi.bursik@bht-gmbh.com

Fax this registration form to +49-(0)7071-35040 or mail this registration to the Conference Coordinator.