

AGENDA

for the International Conference on Film Forming Amines and Products

April 4 – 6, 2017, KKL Luzern

Tuesday, 4th April 2017

- 08:00 Registration and Welcome Coffee/Tea
08:45 – 09:15 Opening Remarks. Conference Sponsors, IAPWS TGDs and SCPWS
B. Dooley, Structural Integrity, UK, and M. Lendi, SWAN, Switzerland

Session 1

- 09:15 – 09:45 An OEM Perspective on Cycle Chemistry in an FFA World
F.-U. Leidich, J. Sperling, GE Power, Germany and A. Witney, GE Power, USA
09:45 – 10:15 Further Optimization of the Treatment of the Water-Chemistry Cycle of a
Combined Cycle Plant Using a FFP
A. Verstraeten, Sloecentrale, The Netherlands
10:15 – 10:45 Morning Coffee/Tea within Exhibits

Session 2

- 10:45 – 11:15 Three Years Experiences with Film Forming Amines in ENGIE
C. Vanschepdael, M. Vermeersch, G. Riga, M. Kooistra and
M.-L. Thielens, Engie Lab, Belgium
11:15 – 11:45 Film Forming Amine Product (FFAP) Application in Fertilizer Industry
L. Lensun, Helamin, France
11:45 – 12:15 Open Discussion Period
12:15 – 13:30 Working Lunch within Exhibits

Session 3

- 13:30 – 14:00 Analytics of Film Forming Amines – A Review
M. Lendi, SWAN, Switzerland
14:00 – 14:30 Washing and Preserving Turbines with Film-Forming Amines –
Experiences in the Use of Octadecylamine (ODA)
R. Wagner and E. Czempik, REICON, Germany
14:30 – 15:00 Effect of Octadecylamine on Carbon Steel Corrosion and Magnetite Deposit
Consolidation under PWR Secondary Side Ammonia Water Chemistry
E. Jäppinen, VTT Technical Research Centre of Finland, S. Järvimäki and
M. Mäkinen, Fortum Ltd, Loviisa Power Plant, Finland, M. Bojinov, University
of Chemical Technology and Metallurgy, Sofia, Bulgaria, and
T. Saario and K. Sipilä, VTT Technical Research Centre of Finland
15:00 – 15:30 Afternoon Coffee/Tea within Exhibits

Session 4

- 15:30 – 16:00 *The Effect of Boiler Conditions on the Thermolysis of Film Forming Amines*
E. De Meyer and A. R. D. Verliefde, Ghent University, Belgium, and
W. Hater, Kurita Europe, Germany
- 16:00 – 16:30 *Film-Forming Amine for Use in Industrial Boilers in Japan*
S. Mori, Kurita Water Industries, Japan
- 16:30 – 17:00 *Corrosion Mitigation of Steam Generators by Means of Octadecylamine
Micro-injection into Secondary System*
A. Kukushkin, VNIIAM, Russia, V. Omelchuk, Kola NPP, Russia,
V. Yurmanov, NIKIET, Russia, and E. Chempik, REICON, Germany
- 17:00 – 17:30 *Considerations for Film Forming Amine and Film Forming Product Use in
the Secondary System of Nuclear Power Plants: Roadmap to an IAPWS
Technical Guidance Document*
W. Cook and D. Lister, University of New Brunswick, Canada,
C. Stuart, CNL, Chalk River, Canada and S. Uchida, JAEA, Japan.
- 18:45 *Evening Social Event*

Wednesday, 5th April 2017

08:00 *Opening Coffee/Tea and Remarks*

Session 5

- 08:30 – 09:00 *Critical Aspects and Questions with Respect to the Application of FFA / FFAP*
M. Rziha, Siemens, Germany
- 09:00 – 09:30 *Monitoring and Controlling Film Forming Amines and Film Forming Amine
Products by On-Line Ion Chromatography and Other On-Line Methods for
Steam Cycle Management*
E. Lemon, Metrohm, The Netherlands
- 09:30 – 10:00 *Experience in Corrosion Reduction Using a FFP at a Coal-Fired Plant*
G. Hoffman, PacifiCorp, Utah, USA, and A. Banweg, Nalco, Illinois, USA
- 10:00 – 10:30 *Morning Coffee/Tea within Exhibits*

Session 6

- 10:30 – 11:00 *Experience with the Application of Film Forming Amine in the Connah's
Quay Triple Stage CCGT Power Plant Operating in Cycling Mode*
W. Hater, Kurita Europe, Germany,
P. McCann and B. Smith, Uniper Technologies, UK, and
A. de Bache, Kurita Europe, Germany
- 11:00 – 11:30 *The Sorption Behaviour of a Film Forming Amine and Its Effect on
Flow-Accelerated Corrosion (FAC)*
S. Weerakul and D. H. Lister, University of New Brunswick, Canada,
and W. Hater, Kurita Europe, Germany
- 11:30 – 12:00 *Open Discussion Period*
- 12:00 – 13:30 *Working Lunch within Exhibits*

Session 7

- 13:30 – 14:00 *A Pathway to Application of Filming Amines in PWRs*
K. Fruzzetti, S. Choi, S. Shulder and M. Caravaggio, EPRI, USA,
and M. Kreider and C. Marks, Dominion Engineering, Inc., USA
- 14:00 – 14:30 *FFAP Applications in EAEU: Questionable Results*
F. Dyachenko, Aminotek, Moscow, Russia
- 14:30 – 15:00 *Potential Film Forming Amine and Film Forming Products Theoretical
Applications in Direct Contact Geothermal Power Plants – Analysis
of Available Data*
D. Addison, Thermal Chemistry Limited, New Zealand, and
I. Richardson, Mercury Energy, New Zealand
- 15:00 – 15:30 *Afternoon Coffee/Tea within Exhibits*

Session 8

- 15:30 – 16:00 *Comparison between the Use of Conventional Reducing All-Volatile
Treatment and Film Forming Amine Treatment for Cycle Chemistry
Operation on 8.4 MPa Drum Boiler Units*
S. Sulliman and S. Marais, Eskom Holdings, South Africa
- 16:00 – 16:30 *Film-Forming Product Application at a Combined Cycle Power Plant*
A. Howell, Xcel Energy, USA
- 16:30 – 17:00 *Control of Fouling and Corrosion by Polyamine in Distillation Systems
and Low Pressure Boilers (with Oil-Contaminated Feedwater)*
M. Nasiroleslami, Energy Chemical Company, Iran
- 17:00 – 17:15 *Open Discussion Period*

Thursday, 6th April 2017

08:00 *Opening Coffee/Tea and Remarks*

Session 9

- 08:30 – 09:00 *The Application of a Film Forming Amine Product at Two Power Plants
– Detailed Industry Case Studies*
L. Carvalho, L. Harmon and T. Freund, ChemTreat, USA.
- 09:00 – 09:30 *On-Line Analysis of Oleyldiamine in the Water/Steam Cycle
of Industrial Power Plants*
W. Hater, Kurita Europe, Germany, and P. Izquierdo, Kurita Iberica, Spain
- 09:30 – 10:00 *Nature, Behavior and Application of Film Forming Amines in
Power Plant Water/Steam Cycle*
S. Vidojkovic, University of Belgrade, Belgrade, Serbia and
M. Mijajlovic, University of Nis, Nis, Serbia
- 10:00 – 10:30 *Morning Coffee/Tea within Exhibits*

Session 10

- 10:30 – 11:00 *The Impact of Amines on Direct Measurements of Chloride and Sulfate*
K. Buecher, Mettler-Toledo Thornton, USA
- 11:00 – 11:30 *The Effect of Film Forming Amines on Steam Turbine Efficiency*
B. Dooley, Structural Integrity, UK, R. Svoboda, Switzerland, and
T. Petrova, Moscow Power Engineering Institute, Moscow, Russia
- 11:30 – 12:00 *Polyamine Technology for Advanced Steam Cycle Corrosion Protection*
T. Dale, GE Power, Switzerland
- 12:00 – 12:30 *Final Discussion Period and Concluding Remarks*
B. Dooley, Structural Integrity, UK, and
M. Lendi, SWAN, Switzerland
- 12:30 *Lunch*
- 13:30 *End of Conference*

Steering Committee:

- **Barry Dooley**
Conference Chairman
Structural Integrity Associates
- **Michael Rziha**
Siemens AG Energy Solutions
- **Frank-Udo Leidich**
GE Power
- **Paul McCann**
Uniper Technologies Limited
- **Ladi Bursik**
BHT GmbH
- **Marco Lendi**
SWAN Analytische Instrumente AG
- **Tapio Werder**
PowerPlant Chemistry Journal

*For more information about the programme,
please contact the Conference Chairman, Barry Dooley, BDooley@Structint.com*

