



7th International Conference on Film Forming Substances

Prato, Italy



WHEN

26th - 28th MARCH 2024

WHERE

Monash University - Prato Centre
via Pugliesi 26, Prato Italy

COST

€800 Earlybird to 27 Jan 2024
€900 Standard
€800 Speaker

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WHY

The conference will be of major interest to: operational personnel, technical managers, plant engineers, boiler operators, cycle and plant chemists, researchers and corrosion scientists, and service providers as well as manufacturers of major plant components and chemicals.

The major themes of this international conference will be dedicated to advancing the knowledge and introducing the latest science about film forming substances (FFS). Scientific papers and case studies will provide excellent insights into the latest developments in this field of cycle chemistry as well as numerous examples of the application of film forming substances (amine and non-amine based) in fossil, combined cycle, biomass, nuclear, industrial, geothermal, and other plants.

The conference language will be English.

SPONSORSHIP & EXHIBITION:

For enquiries please contact:
Rachel Washington
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MEDIA SPONSOR:



PROGRAM

Day 1 – Tuesday, 26th March 2024 ... times are CEST European-based time zone

- 8:30 Registration Open
- 9:00 - 9:15 **Welcome and Introductory Remarks.**
[B. Dooley](#), Structural Integrity, UK
- 9:15 - 9:45 **Two Cases of FFA use in Engie Power Plants.**
[A. Senecat](#), ENGIE Laborelec, Belgium and [N. Poelemans](#), ENGIE Electrabel, Belgium.
- 9:45 - 10:15 **FFA Measurement Challenges and a Promising Portable Solution.**
[K. Buecher](#), Mettler-Toledo, USA.
- 10:15 - 10:45 Morning coffee/tea within Exhibits.
- 10:45 - 11:15 **Electrochemical Impedance Spectroscopy for Continuous in situ Analysis of FFAs on Carbon Steel Surfaces.**
[D. Jero](#), N. Caussé and N. Pébère, Université de Toulouse, France; [F. Chaussec](#) and [A. Buvignier](#), ODYSSEE Environnement, France; [N. Pébère](#), Université de Toulouse, France; [M. Roy](#), CEA, France; and [T. Buffeteau](#), Université de Bordeaux, France.
- 11:15 - 11:45 **Transition of Two Waste Incineration Boilers in Italy from Traditional Treatment to Cetamine - Technical Improvements and Economical Savings.**
[A. de Bache](#), Kurita Europe, Germany; [M. Pallares](#), Kurita Europe Spain; and [F. Carrubba](#) and [F. Neri](#), Kurita Europe, Italy; and [A. Labonia](#) and [V. Di Massa](#), Ecologia Oggi, Italy
- 11:45 - 12:15 Questions and General Open Floor Discussion
Sponsor Presentation:
- 12:15 - 13:45 Working Lunch within Exhibits.
- 13:45 - 14:15 **Study of Film-forming Amines in the Conditions of Secondary Circuit: Interaction between Magnetite Surface and Octadecylamine.**
[J-E. Lee](#), [A. Astorg](#), [A. Vansteene](#) and [J. Tireau](#), EDF R&D Les Renardières, France; [S. Marcelin](#), [B. Ter-Ovanessian](#) and [B. Normand](#), Université de Lyon, France; and [G. Lefevre](#), PSL Research University, France.
- 14:15 - 14:45 **Large Coal Plant's Experience Using Veolia's Polyamine Plus.**
[B. Booth](#) and [J. Peters](#), Veolia, USA and [G. Hoffman](#), PacifiCorp, USA
- 14:45 - 15:15 Questions and General Open Floor Discussion
Sponsor Presentation:
- 15:15 - 15:45 Afternoon coffee/tea within Exhibits.
- 15:45 - 16:15 **Environmental and Ecotoxicity Waste Water Considerations for FFS Applications in Plants.**
[J. Weir](#) and [D. Addison](#), Thermal Chemistry, New Zealand.
- 16:15 - 16:45 **Studying Film-Forming Amine Behavior under Water-Steam Cycle Conditions using a Recirculating Loop.**
[J. Ulaganathan](#), Canadian Nuclear Laboratories, Canada; and [U. Ramminger](#) and [J. Fandrich](#), Framatome, Germany.
- 16:45 - 17:30 Questions and General Open Floor Discussion
- 17:30 **Network Function – Welcome Drinks on the Terrace – Monash University, Prato**

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PROGRAM

Day 2 – Wednesday, 27th March 2024 ... times are CEST European-based time zone

- 8:30 - 8:45 **Review of Day One. Exhibits and Discussion**
- 8:45 - 9:15 **Survey of Available FFA Analytical Methods.**
R. Wagner, Reicon, Germany.
- 9:15 - 9:45 **Application of Film-forming Product to Prevent Corrosion in Two Cooling Systems.**
P. Hankinson, Evides Industriewater, The Netherlands.
- 9:45 - 10:15 **Pre-Commissioning Cleaning of New Industrial Boilers with the Use of ODA.**
D. Harrison, Visentia Ltd., New Zealand.
- 10:15 - 10:45 Morning coffee/tea within Exhibits.
- 10:45 - 11:15 **Filming Product Application for Use in PWRs/PHWRs: EPRI Nuclear Program Update and Elastomer Testing.**
I. Duncanson, K. Fruzzetti and J. Jarvis, EPRI, USA.
- 11:15 - 12:00 Questions and General Open Floor Discussion
- 12:00 - 13:30 Working Lunch within Exhibits.
- 13:30 - 14:00 **Experience and Trial Results using POWERFILM 10000, a non-amine FFS at a Supercritical Power Plant.**
D. Little and J. Brown, Nalco Water, USA.
- 14:00 - 14:30 **Study of the Impact of FFA on Steam Generator Sludges Properties.**
A. Vansteene, A. Astorg and J. Tireau, EDF R&D Les Renardières, France; C. Wesoluch, D. Mitsch and A. Duchatelet, EDF Industrial Division, France.
- 14:30 - 15:00 **Trial of FFP at Liddell Power Station.**
M. Harris et al, AGL, Australia.
- 15:00 - 15:30 Afternoon coffee/tea within Exhibits.
- 15:30 - 16:00 **Flow-Accelerated Corrosion Observed in Aqua Ammonia Systems.**
R. van Lier, Yara, The Netherlands; G. Paci, Yara, Italy; R. Babwah, Yara, Trinidad;
H. Leth-Olsen, Yara, Norway; and P. de Moel, Delft University of Technology, The Netherlands.
- 16:00 - 17:00 Questions and General Open Floor Discussion
- 17:00 **Day 2 Concludes**



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PROGRAM

Day 3 – Thursday, 28th March 2024 ... times are CEST European-based time zone

- 8:30 - 8:45 **Review of Day Two, General Open Floor Discussion and Questions**
- 8:45 - 9:15 **Application of ODA for Electrode Boilers.**
D. Addison, Thermal Chemistry, New Zealand.
- 9:15 - 9:45 **Dosage, Monitoring and Control of FFA and FFAP – A Practical Approach.**
W. Hater, Germany.
- 9:45 - 10:15 **Upgrading a Site Treated by FFS.**
X. Labeille, F. Bertrand and F. Chaussec. ODYSSEE Environnement, France.
- 10:15 - 10:30 Questions and General Open Floor Discussion
- 10:30 - 11:00 Morning coffee/tea within Exhibits.
- 11:00 - 11:30 **FFS as a Heat Transfer Efficiency Improver for Steam Facilities.**
S. Mori, Kurita Water Industries, Japan.
- 11:30 - 12:00 **Comparison of Photometric Methods for Detecting Film Forming Amines in Water and Progress in Study of their Interaction with Surface Oxides.**
S. Vidojkovic, University of Belgrade, Serbia; R. Lindeboom, TU Delft, The Netherlands; and M. Mijajlovic, University of Nis, Serbia.
- 12:00 - 12:20 Questions and General Open Floor Discussion
- 12:20 - 13:45 Working Lunch within Exhibits.
- 13:45 - 14:45 **Panel Discussion – FFS Research Needs**
Chair: B. Dooley, Structural Integrity, UK.
- 14:45 - 15:15 **Adsorption Behavior of OLDA and Effect of Adsorbed OLDA on Contact Angle.**
H. Mitsui, Y. Nakatsuchi, K. Tatsuhara, S. Miyake and S. Tabata, Mitsubishi Heavy Industries, Ltd. Japan.
- 15:15 - 15:45 **Heat Transfer Surface Filming Impact on Heat Transfer Rate in Evaporators.**
J. Gilberd, Wilmar Sugar, Australia; D. Rodman, NALCO Water, Australia; and L. Shephard and R. Situ, James Cook University of Australia, Australia.
- 15:45 Questions and Final Discussion
- 16:00 **Day 3 Concludes**

INTERNATIONAL STEERING COMMITTEE

- **Barry Dooley (CoChair)**, Structural Integrity, UK
- **David Addison (CoChair)**, Thermal Chemistry, New Zealand
- Jörg Fandrich, Framatome, Germany
- Iain Duncanson, EPRI, USA
- Matt Harris, AGL, Australia
- Marion Roy, CEA, France
- Roy van Lier, Yara, Belgium
- Christophe Wesoluch, EDF, France

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SPONSORSHIP AND EXHIBITION

Gold Sponsorship €5800

Sponsorship of this item includes...

- Company name and logo displayed
 - » acknowledgement on Conference Program
 - » on all promotional material
 - Opportunity to display banner in the conference room (pull up banner only to be provided by the sponsor)
 - Opportunity for a 10 minute presentation to address attendees
 - One complimentary exhibition table
 - Two complimentary registration to all conference activities
-

Exhibition Booths €2000

The conference program and exhibition space has been designed to offer exhibitors maximum networking opportunities with conference delegates. Morning tea, afternoon tea and lunches on Tuesday to Thursday will be served in the exhibition display area.

The exhibition package includes the following...

- 1 power point per space
 - 1 x dressed trestle table and two chairs
 - Opportunity for a 10 minute presentation to address attendees
 - One complimentary registration to all conference activities.
 - Additional "Exhibitor Only" (not conference) passes can be purchased for €400 (max 2).
 - Acknowledgement on Conference Program
-

Name Badges and Lanyards €1500

All delegates will be issued with a name badge and lanyard to be worn for the duration of the event.

Sponsorship of this item includes...

- Company logo printed on name badges and lanyards
 - Acknowledgement on Conference Program
-

Refreshment Breaks : €1300 for 3 days OR €500 per day*

There is a total of 6 morning/afternoon tea breaks and 3 lunches during the conference.

Sponsorship of this item includes...

- Opportunity to display & hand out promotional material during the sponsored day.
 - Acknowledgement sign during sponsored day
 - Acknowledgement on Conference Program
-

Networking Reception €1000

Networking Reception occurs at the conclusion of the first day (Tuesday 5.30-7.30pm).

Sponsorship of this item includes...

- Opportunity to display and give out promotional material during the Reception.
 - Acknowledgement sign on refreshment table during the Reception
 - Acknowledgement on Conference Program
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