

**THURSDAY, 10<sup>TH</sup> NOVEMBER 2011**
**Chairman: A. Hutter (PTS)**

- 09.00 Water Framework Directive – current implementation of measures and possible implications for paper mills  
*K. Wüllner, F. Rothmeier (Bayerisches Landesamt für Umwelt)*
- 09.25 Competitive energy prices for industry  
*B. Götz (Verband Deutscher Papierfabriken e.V)*
- 09.50 Emissions trading: An outlook towards the 3rd trading period  
*W.-J. Krach (SCA Tissue Europe)*
- 10.15 Coffee break
- 10.45 Energy management systems - Help or hindrance?  
*F. Prätisch, (WEPA Technics, Energy and Environment)*

**Chairman: J. Kappen (PTS)**

- 11.10 ETMP – 30% Energy savings in TMP production in an industrial large scale trial  
*T. Handke, (TU Dresden), T. Gailat (PTS)*
- 11.35 Enzymes: Reduction of refining energy beyond tissue production  
*I. Loosvelt (Buckman)*
- 12.00 Lunch break
- 13.30 Steam from the WWTP for the production process  
*U. Prochaska, T. Gerlach (SES Energiesysteme)*
- 13.55 Energy output and efficiency successfully increased by model based control of industrial power plants  
*A. Voigt (VOIGT+WIPP Engineers), M. Hacker, F. Maischberger (Mondi Frantschach)*
- 14.20 Coffee break
- 14.50 Profitable drying of sludge and waste  
*A. Heesch (Sappi Fine Paper Europe)*
- 15.15 Integrated paper production sites as an opportunity for better utilisation of energy and residuals  
*W. Dietz, J. Kappen (PTS)*
- 15.40 Final Notes & Closing  
*S. Bierbaum, A. Hutter (PTS)*
- 16.00 End

**REGISTRATION FAX: +49-89-1214636**

Name.....

Phone .....

Fax.....

E-Mail .....

Company.....

Address .....

City, ZIP-Code.....

Date/Signature .....

- Full programme € 1.410.-  
(transferable to other employees of the same company site.  
Please indicate every participant per day.
- Day ticket, Tuesday 8<sup>th</sup> November 2011 € 705.-
- Day ticket, Wednesday 9<sup>th</sup> November 2011 € 705.-
- Day ticket, Thursday, 10<sup>th</sup> November 2011 € 705.-

10 % discount for members of the Paper Technology Research Association (FPT), Research Association Papiertechnische Stiftung (FPS) and the German Pulp and Paper Association (VDP).



RESOURCES

FIBRE COMPOSITES

SURFACES

ECOLOGICAL  
RELEVANCE
[www.ptspaper.de](http://www.ptspaper.de)

**MAKE USE OF THE ONLINE REGISTRATION:**  
[WWW.ENVIRONMENTAL-SYMPOSIUM.COM](http://WWW.ENVIRONMENTAL-SYMPOSIUM.COM)

PTS · Hess-Strasse 134 · DE-80797 Munich/Germany  
Phone +49 (0)89-12146-0 · Fax +49 (0)89-12146-36

**PTS ENVIRONMENT SYMPOSIUM**  
Environmentally compatible Paper  
Production • Water & Waste Water •  
Energy  
2011, 8 - 10 November, Munich

## DIRECTORSHIP



Dr. Hans-Jürgen Öller

Achim Hutter

Svenja Bierbaum

## OBJECTIVES

The PTS Environment Symposium with simultaneous translation into German/English is the meeting point of the paper industry and its suppliers to discuss issues of water, energy, air, waste and environmental law. Speakers will provide deep insight into current trends, convey comprehensive information and report on the latest findings and developments in science and the industry. Make contact with potential partners, get informed and form your own opinion by discussing the topics with renowned experts.

## TARGET GROUPS

Managers, specialists and executive staff of the pulp and paper sector and its related industries whose central task is to reduce the environmental impact and minimise the outlay required for this. Persons responsible for energy issues and environmental experts focusing on water protection and immission control, waste management officers, technical specialists and executives (plant, operations and production managers) as well as staff of engineering and consultancy firms, plant engineering and construction companies and chemical suppliers.

[WWW.ENVIRONMENTAL-SYMPOSIUM.COM](http://WWW.ENVIRONMENTAL-SYMPOSIUM.COM)

Simultaneous translation into German/English

TUESDAY, 8<sup>TH</sup> NOVEMBER 2011

## Chairman: H.-J. Öller (PTS)

09.30 Welcome address and introduction  
*H.-J. Öller (PTS)*

09.55 The new BREF and its impact on the pulp and paper industry  
*A. Reichart (Umweltbundesamt), G. Klein (European IPPC Bureau)*

10.20 EWP Water Stewardship Scheme – an on-site tested tool to implement sustainable water management in paper mills  
*S. von Wirén-Lehr (European Water Partnership)*

10.45 Coffee break

11.15 Sustainability of paper products - quo vadis?  
*G. Müller (PTS)*

11.40 A Water Footprint Pilot at Stora Enso - results and recommendations  
*O. Svending (Stora Enso Packaging, Skoghall mill)*

12.05 A look behind the Carbon Footprint  
*N. Kaindl (SCA Graphic Laakirchen)*

12.30 Lunch break

## Chairwoman: I. Demel (PTS)

14.00 Competitive paper and board products for food packaging  
*M. Huber (Kraft Foods R & D)*

14.25 Safe recovered fibre based packaging products – approaches to possible solutions from different perspectives  
*I. Demel, M. Kleebauer (PTS)*

14.50 Strategies for removal of harmful substances from recycling paper and board  
*A. Kersten, U. Hamm (PMV TU Darmstadt)*

15.15 Status of legal developments regarding nano-particles in paper and board products  
*H.-J. Öller, M. Reif (PTS), A. Bernal-Peña (Papierwerke Lenk), J. Oberndorfer (UPM), P. Wenz (Sappi Alfeld)*

15.40 Coffee break

16.10 REACH registration of power plant ash  
*W. Demharter (UPM GmbH)*

16.35 Reduction of environmental impacts by recovery of coating pigments  
*M. Hilpert (Sappi Ehingen)*

17.00 Dealing with government agencies and public participation in approval procedures  
*M. Cordes-Tolle (M Consult), H. Geber (Propapier PM2)*

19.30 Get-together

Ecological relevance and Sustainability

Safety of Paper Products

Cross-media aspects

WEDNESDAY, 9<sup>TH</sup> NOVEMBER 2011

## Chairwoman: S. Bierbaum (PTS)

09.00 Reuse of AOP-treated wastewater to reduce fresh water consumption  
*S. Bierbaum (PTS)*

09.25 Tailor-made treatment concepts for wastewater recirculation - experience from pilot trials performed in the EU project AquaFit4Use  
*B. Simstich (PTS), R. von Eichhorn (Hamburger Rieger)*

09.50 Nanoporous ceramic membranes for the treatment of pulp mill wastewaters  
*M. Schulze (Rauschert), R. Zierau (Zellstoff Stendal), D. Römer (PTS)*

10.15 Coffee break

10.45 Mill experience from 6 years of advanced effluent treatment with Ozone and Biofiltration  
*N. Kaindl (SCA Graphic Laakirchen)*

11.10 Integrating TOC-TN<sub>o</sub> Onliner in the WWTP and process  
*H.-T. Armbruster (Papierfabrik August Koehler)*

11.35 Calcium precipitation in water circuits – causes, effects and corrective action  
*K.-O. Wichmann (SCA Packaging Containerboard)*

12.00 Lunch break

## Chairman: B. Simstich (PTS)

13.30 Algae for wastewater treatment  
*G. Weinberger (PTS)*

13.55 Degradation of micropollutants by different industrial and municipal activated sludges  
*K. Fenner, D. Helbling (Eawag)*

14.20 Coffee break

14.50 Detrimental substances in biological stages  
*G. Weinberger (PTS)*

15.15 Chemical additives – how do they affect anaerobic stages?  
*A. Klose, S. Schabel (PMV TU Darmstadt), T. Hoffmann (Hochschule Darmstadt), E. Tiedtke (Kolb Distribution)*

15.40 Coffee break

16.10 What impact do biocides used in the wet end have on the WWTP?  
*O. Truppner (Smurfit Kappa Hoya Papier), E. Kopp, F. Wiemeyer (KOWITEC Ingenieurgesellschaft)*

16.35 Odour control in water systems and biocide reduction by use of aluminium nitrate sulphate  
*A. Hörsken (Sachtleben Wasserchemie), D. Tieke (SCA Packaging De Hoop)*

17.00 City sightseeing

Wastewater as a Resource

Mill experience  
Safe plant operation

New Aspects  
in Biology

Use of additives