

SWAN / PPChem Power Cycle Instrumentation Seminar

*(28th), 29th to 30th October 2012 at the
Midrand Conference Center, Villa Tuscana, Midrand, ZA*

Topics:

- *Chemical regimes and the respective monitoring requirements*
- *New VGB Guidelines for boiler feed water, boiler water, and steam*
- *Sampling systems: Engineering specifications and guidelines (VGB, IAPWS)*
- *Analytical methods and analysers: Conductivity, degassed conductivity, sodium, silica, pH, dissolved oxygen.*
- *Quality Assurance techniques and maintenance planning*

Professional Development for...

*Station Chemists, Instrument Technicians, Maintenance Staff,
QA-Managers, Water Treatment Designers & Engineers,
Corporate Chemistry Staff, Plant Designers, C&I-Engineers*

*Free e-paper subscription for the PPChem Journal of Power
Plant Chemistry from January to December 2013.*

PPCHEM
POWERPLANT CHEMISTRY

The Journal of All Power Plant Chemistry Areas

swan
ANALYTICAL INSTRUMENTS



Preliminary Agenda

Monday 29th October

- 09:00 *Chemical Regimes and Guidelines for monitoring parameters and critical values EPRI, IAPWS, VGB*
Michael Rziha
- 09:45 *Sampling and Sampling Systems*
Manuel Sigrist
- 10:30 *Sample Conditioning Guidelines*
Manuel Sigrist
- 11:00 *Online Cycle Chemistry Monitoring for new super-critical power plants*
Ken J. Galt
- 13:00 *Direct and Acid Conductivity*
Manuel Sigrist
- 13:30 *Degassed Acid Conductivity*
Randy Turner
- 14:00 *Dissolved Oxygen*
Philippe Trösch
- 15:00 *Monitoring pH*
Randy Turner
- 15:30 *Sodium*
Philippe Trösch
- 16:00 *Silica and Phosphate*
Randy Turner
- 16:30 *ORP, Hydrazine, Hydrogen*
Philippe Trösch

Tuesday 30th October

- 09:00 *Cost of failures*
David Addison
- 09:30 *Commissioning and Start-up*
Michael Rziha
- 10:00 *Online Monitoring Requirements for Air Cooled Condensers (ACC)*
David Addison
- 10:20 *Cooling Water Monitoring Requirements*
David Addison
- 11:00 *Cooling Water Sampling*
Manuel Sigrist
- 11:30 *Quality Assurance and Maintenance*
Randy Turner
- 13:00 *Break-out Sessions Hands-on-Instruments*
Instruments and expert technicians will show the latest technologies and discuss your specific issues concerning maintenance and quality assurance.



Speakers:

Michael Rziha, Chemist
Chairman of the IAPWS Working Group Power Cycle Chemistry (PCC)
and member of several VGB-Committees, Germany

Manuel Sigrist, Mechanical Engineer MSc
CEO and Group CTO SWAN Systems AG, Switzerland

Ken J. Galt, BSc Chemistry, University of Paisley, Paisley, Scotland United Kingdom
BSc Water Utilisation, University of Pretoria, Pretoria, South Africa
Chemistry Specialist, Chemical CoE, Group Technology, ESKOM

David Addison, Chemist BSc
(Chem), MSc (Materials) Principal of Thermal Chemistry Ltd, New Zealand

Randy Turner, Bachelor of Arts - Chemistry & Physics, University of West Georgia
Technical Director SWAN Analytical USA

Philippe Trösch, Chemist MSc
Application Engineer, SWAN Instruments, Switzerland

Lukas Staub, C&I Engineer BSc
Group CSO SWAN Instruments, Switzerland

Goals



*Understand the importance of on-line instrumentation.
Know the pitfalls in the design of sampling systems.
Learn what the latest guidelines recommend.
Discuss analytical techniques with experts.
Understand quality assurance problems and learn
how to put together maintenance schedules.
Meet your peers from other companies and countries.*

Schedule

Sunday 28th October

*Welcome Reception and Registration
6.00 pm to 8.00 pm at the Conference Center, Villa Tuscana*

Monday 29th October

*9.00 am to 5.00 pm Instrumentation Seminar
6.00 pm Conference Dinner*

Tuesday 30th October

*9.00 am to 5.00 pm Instrumentation Seminar
5 pm Close of Meeting*

The conference language is English. No dress code.

Venue & Accommodation:

*Midrand Conference Center, Villa Tuscana, Midrand, South Africa
Travel times O.R. Tambo International Airport - 28km, 40min by taxi*

Standard Room + Breakfast ZAR 730.00 / US\$ 90.00

For Hotel reservations go to:

http://www.midrandconferencecentre.co.za/index.php?option=com_chronocontact&Itemid=67



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Registration:

Register on-line at http://www.ppchem.net/seminars/PCIS_2012/PCIS_2012_Midrand_ZA.pdf
for complete the attached form and email
to communications@swan.ch or fax to +41 44 943 63 31.

Registration Fee: US\$ 350.00 payable at the conference desk (cash or credit card).

The fee covers buffet lunch on Monday and Tuesday, morning coffee, afternoon tea and Monday night Conference Dinner. Spouses' lunch and dinner checks are available at the conference desk.

The fee includes an e-paper subscription for the PPChem Journal of Power Plant Chemistry from January to December 2013.

See also www.ppchem.net

Helpline: communications@swan.ch or gwen@aciholdings.com Phone +27 (11) 393 3030

Surname: _____	First name: _____
Title: _____	Function: _____
Company: _____	Department: _____
Street: _____	City: _____
Postal code: _____	Country: _____
Phone: _____	Email: _____

Signature: _____

Date (DD/MM/YY): _____

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Reservations: info@midrandconferencecentre.co.za

Midrand Conference Center, Villa Tuscana, Midrand, South Africa

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