



# INDUSTRIAL BOILERS KILNS & FURNACES

The Influence of Design and Operation on Boiler, Kiln and  
Furnace Efficiency, Availability and Emissions

23 and 24 November 2009

CSIR International Convention Centre  
Meiring Naudé Road  
Pretoria

persented by



**First Announcement and Call for Papers**

## CONFERENCE OBJECTIVES

As a follow on from previous conferences in the series named "Optimisation of Industrial Boilers" held annually over the past 6 years, this conference seeks to provide a broader forum for the transfer of cutting edge information and technology for those people who are directly or indirectly involved in the production of power and heat, locally and internationally.

More specifically, and given the reducing qualities of coal on the inland market and increasing environmental legislation, this conference will present insights into

- Coal, biomass and waste-fired industrial boilers, kilns and furnaces - their plant design, operation and control
- How such plant can be operated more efficiently, safely and reliably with appropriate emissions control or reduction
- Fuel selection and preparation and the impact of fuel quality on performance
- New and improved combustion technologies such as FBC with experience on their operation
- New and improved methods for emissions reduction

**DAY 1** (23 November) will concentrate on **industrial boilers, kilns and furnaces utilising "conventional" combustion equipment such as chain grate stokers, spreader stokers, pulverised fuel etc.**

**DAY 2** (24 November) will focus on **developments in fluidised bed combustion as applied to boilers, kilns and furnaces highlighting the latest local and international experience**

## WHO SHOULD ATTEND?

- Industrial boiler, kiln and furnace managers and operators
- Boiler, kiln and furnace manufacturers
- Suppliers of ancillary equipment including mills, crushers, ash handling and emissions monitoring equipment
- Boiler, kiln and furnace repair and maintenance companies
- Boiler water treatment companies
- Coal and alternative fuel (biomass) suppliers and traders

- Environmental engineers and scientists
- Government legislators and policy makers
- Technologist and consultants
- Researchers and academics

## BENEFITS

- Awareness of impact of coal quality on combustion performance
- Increased plant availability
- Increased efficiency of operations
- Reduced fuel and running costs
- Improved control of emissions
- Compliance with environmental regulations

## FORMAT

The conference will be multidisciplinary, with the objective of encapsulating the full scope of the needs of all involved in the boiler, kiln and furnace industry. The language will be English. Short presentations will be followed by ample discussion time to explore the topics presented and time will specifically be planned to allow networking opportunities

## CALL FOR PAPERS

### Dates for Submission of Titles and Abstracts

Submission of title and abstract – 30 September 2009  
Submission of paper or extended abstract – 31 October 2009  
Submission of PowerPoint presentation – 15 November 2009  
Please submit titles and abstracts to [register@rca.co.za](mailto:register@rca.co.za). Abstracts will be forwarded to the Technical Committee for review.

## PROCEEDINGS

Delegates will be provided with a CD containing the presentation materials and extended abstracts where available.

## EXHIBITIONS

An exhibition will take place along side the conference. Exhibitors will gain exposure to the delegates from the industry attending the conference. In exhibiting at the conference you will be able to

- Introduce new products and services
- Educate and inform the market on your products/services
- Meet key players in your industry
- Reinforce company branding
- Send a strong message to your competitors
- Heighten credibility.

Should you be interested in this opportunity please contact the conference secretariat for further details.

## SPONSORSHIP

Several exciting sponsorship opportunities are available to all industry members. Sponsorship packages are available as well as sponsorship on specific items such as:

Gifts • Pens & Paper • Daily lunches • Daily teas • Cocktail Party • CD's • Unconditional sponsorship

All sponsors will be offered branding for promotion of their company by inclusion of the company logo on the sponsored item or/and banner displays in the dining hall or venue.

Should you be interested in this opportunity please contact the conference secretariat for further details.

## ACCOMMODATION

Accommodation in nearby hotels and B&Bs is available. Please contact the Secretariat for details.

## TECHNICAL ORGANISING COMMITTEE

Mr Brian North – CSIR  
Mr Mike Andrews – OEN  
Professor Adam Luckos – Sasol  
Mr Hans Verbanck – Alstom John Thompson  
Mr David Brook – Babcock Engineering  
Professor Rosemary Falcon – Wits University

## CONFERENCE SECRETARIAT

RCA Conference Organisers

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Fax: +27 (0)11 728 1675 or +27 (0) 86 653 7108

Postal address:  
P O Box 72147 Parkview 2122  
South Africa

## REGISTRATION FEES

### FFF MEMBER

Day 1 23 Nov 2009	R2 250.00 + VAT = R2 560.00
Day 2 24 Nov 2009	R2 250.00 + VAT = R2 560.00
Full Conference 23 & 24 Nov 2009	R3 800.00 + VAT = R4 332.00

### NON MEMBER

Day 1 23 Nov 2009	R2 500.00 + VAT = R2 850.00
Day 2 24 Nov 2009	R2 250.00 + VAT = R2 850.00
Full Conference 23 & 24 Nov 2009	R4 300.00 + VAT = R4 902.00

### FULL TIME STUDENT

Day 1 23 Nov 2009	R978.00 + VAT = R1 114.92
Day 2 24 Nov 2009	R978.00 + VAT = R1 114.92
Full Conference 23 & 24 Nov 2009	R1 700.00 + VAT = R1 938.00

### FULLY RETIRED / ACADEMIC

Day 1 23 Nov 2009	R978.00 + VAT = R1 114.92
Day 2 24 Nov 2009	R978.00 + VAT = R1 114.92
Full Conference 23 & 24 Nov 2009	R1 700.00 + VAT = R1 938.00

Title  Surname  First Name

Postal address

Telephone  Mobile  Fax

Email (please print clearly)

Company or Organisation (to be invoiced)

Your company's VAT registration number

Purchase order number

Your position in the company

Accounts contact person

Accounts tel/fax number

Accounts email address

Company's Postal Address

Are you a member of the Fossil Fuel Foundation?

Student Number and Course

I would like to attend the cocktail party  YES  NO  
*tick appropriate box(es)*

Please tick the option for which you are registering  
*Registration fee includes delegate file, name tag, entrance to all sessions,  
 abstract book & programme, CD of presentations, tea & coffee breaks and lunches.*

REGISTRATION FEES	Day 1 23 Nov 2009	Day 2 24 Nov 2009	Full Conf. 23 & 24 Nov 2009
FFF MEMBER	R2 560.00 <input type="checkbox"/>	R2 560.00 <input type="checkbox"/>	R4 332.00 <input type="checkbox"/>
NON MEMBER	R2 850.00 <input type="checkbox"/>	R2 850.00 <input type="checkbox"/>	R4 902.00 <input type="checkbox"/>
FULL TIME STUDENT	R1 114.92 <input type="checkbox"/>	R1 114.92 <input type="checkbox"/>	R1 938.00 <input type="checkbox"/>
FULLY RETIRED / ACADEMIC	R1 114.92 <input type="checkbox"/>	R1 114.92 <input type="checkbox"/>	R1 938.00 <input type="checkbox"/>

**I declare that I have read and understood the cancellation of registration information and would like to register for this conference:**

Signature  Date

Please fax this form to +27 11 728 1675 or email to  
 An invoice will be issued on receipt of a completed registration form. Attendance is subject to prior payment, a deposit slip or transfer form with the invoice number as a reference is required as proof of payment please.

**CANCELLATION OF THIS REGISTRATION**  
 Cancellation may be made in writing 10 days prior to the conference; a 25% administration fee will be charged.  
 No refund or credit note will be issued if written cancellation is not received timeously.  
 You will remain personally liable for payment of your invoice. Registrations are transferable.

**FFF IBKF – VII**  
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