



## FIRST ANNOUNCEMENT & CALL FOR PAPERS

### BACKGROUND

The South African Coal Ash Association is arranging an International Conference on Coal Ash. The theme, Coal Ash - A Valuable Resource, follows on from the previous highly successful conferences held in 1987 and 1994.

South Africa's energy sector is almost entirely coal-based and the country produces about 30 million tons of ash annually, both from coal-fired power stations (Eskom) and the production of liquid fuels and chemicals (SASOL). The utilisation of these residues has been the subject of intense study and research programmes. The previous conferences served to confirm the wide range of benefits that accrue when fly ash is used for its pozzolanic properties in concrete and as a cement extender. There has been significant progress in coal ash utilisation since then, not only in the field of cement and concrete but also in the development of new innovative and sustainable uses for coal ash.

South Africa utilises a significant fraction of its coal ash in the building and construction sector and in polymers. Ash processing technology is state-of-the-art and novel techniques are used to reduce particulate emission. It is necessary to take cognisance of technical progress in the field of power generation and coal conversion particularly as far as its impact on the utilisation of coal ash and the environmental consequences are concerned.

This conference aims to create an awareness of, and provide a platform for, the dissemination of information on scientific progress in coal ash in the broadest sense. Not only has fundamental knowledge been increased over the last decade but new areas of opportunity to utilise, rather than to dispose coal ash, are emerging. New technologies are being developed to improve both the amount of energy extracted from coal and the environmental impact associated with its combustion. These will impact on coal ash utilisation but will not diminish its status as "A Valuable Resource". The residues produced present new opportunities for applications that could obviate disposal.

### SCOPE

The conference aims to address topics around coal ash in its broadest sense. It will provide an opportunity to South Africa's industrial and scientific communities to showcase their progress and demonstrate their ingenuity. It is envisaged to attract a large number of international experts to provide an overview of the state-of-the-art technologies elsewhere in the world and address topics of mutual concern. These include:

- Research and Development
- Cement and Concrete

- Aggregates / Bottom Ash and Clinkers
- Soil Stabilisation (Embankments and Roads)
- Agriculture / Environment
- Mine Rehabilitation
- Chemistry and Mineralogy of Ash
- Processing and Handling
- Novel Applications
- Specifications
- Flue Gas Desulphurisation / Synthetic Gypsum
- Legislation
- Case Studies
- Waste Stabilisation

### WHO SHOULD ATTEND

- Cement producers, Concrete manufacturers, Manufacturers of concrete masonry products, specifiers and designers of concrete
- People involved in coal combustion (power generation) and conversion (liquefaction, gasification)
- Anyone involved with ash handling, processing, utilisation, marketing and sales
- Academics and Researchers on coal ash (chemists, mineralogists, engineers)
- Mining (civil and environmental engineers)
- Pollution control experts
- Suppliers of ash handling equipment
- Suppliers of equipment and/or technology for the treatment of flue gases
- Agriculturists
- Government Departments concerned with Minerals and Energy, Environment, Water Affairs, Mining, Agriculture and Transport
- Students in Engineering and Science

### INTERNATIONAL SPEAKERS

The following international plenary speakers have been invited and are expected to attend:

- Mr Dave Goss - President: American Coal Ash Association (ACAA)
- Mr Craig Heidrich - Chairman: Ash Development Association of Australia (ADAA)

In addition, leading researchers from the Center for Applied Energy Research (CAER), Energy Environmental Research Center (EERC) and the Polish Coal Ash Union (CCPU) have indicated that they will submit contributions.

### REGISTRATION

The following registration fees are envisaged:

Before 31/08/06  
 After 01/09/06  
 Members (SACAA, FFF & CSSA)  
 R2 700

R3 200  
Non Members  
R3 200  
R3 700  
Academics (University Staff)  
R2 500  
R3 000  
Students  
R2 000  
R2 500

( All authors get a R500 discount on above rates )

The above registration fees include tea, coffee and a buffet lunch on each of the 3 days of the conference.

A delegates dinner, at an additional cost of R250 per person, is an optional extra.

### CALL FOR PAPERS

The International Coal Ash Conference will take place at the CSIR International Convention Centre, Pretoria, South Africa from 2 to 4 October 2006.

The Organising Committee is keen to encourage anyone interested in making a presentation at this International Conference, either orally or by means of a poster, to submit a short (maximum of two pages) abstract of their proposed presentation.

### VENUE

Pretoria, the birthplace of the new South African democracy, with its rich cultural history, is situated in the commercial and industrial hub of Gauteng, South Africa's smallest but most prosperous province. It is home to the CSIR International Convention Centre, a world-class facility set in tranquil natural surrounds with an abundance of indigenous birds and small mammals.

Originally designed for use by the scientific and academic communities, the CSIR International Convention Centre is fully equipped at every level to host international conferences.

While carefully designed auditoria are the Centre's main feature the facilities also include a one-stop business centre with fast Internet access, wireless internet access, network and telephone points every few meters, over and above standard equipment such as data projectors, laptops and the like. In addition to the function, conference, and breakaway venues, the Centre also features a central exhibition area.

Visit the website for more information and road map: [www.csiricc.co.za](http://www.csiricc.co.za)



### ACCOMMODATION

The following Lodges and Hotels in close proximity to the Convention Centre have been identified. Delegates should make their own reservations:

Accommodation

Website

Tel

Fax

Casa Toscana

[www.casatoscana.co.za](http://www.casatoscana.co.za)

+27 12 348 8820

+27 12 361 2277

The Elegant Lodge

[www.elegantlodge.co.za](http://www.elegantlodge.co.za)

+27 12 346 6460

+27 12 346 6459

Tamboti B&B

[www.tambotilodge.co.za](http://www.tambotilodge.co.za)

+27 12 804 8263

+27 12 804 7563

Town Lodge, Menlo Park

[www.citylodge.co.za](http://www.citylodge.co.za)

+27 12 348 2711

+27 12 348 2820

### TRANSPORT

A shuttle service from Johannesburg International Airport to the Lodges specified above can be arranged at a nominal fee. Should you wish to make use of this service the Secretariat must be informed with details of the reservation as well as the date, time of arrival and flight number.

### TOURS

Pre/Post, Programme and Accompanying Tour Options

South Africa is “A World in One Country” – one of incredible scenery and interesting history, with some of the best Golf Courses in the World! We are designing pre, post and accompanying persons tours for the conference. More information will be available in the final brochure. However, should you be interested in any tours, please contact the Conference Secretariat.

#### EXHIBITION

A limited number of exhibition stands will be available. Any organisation interested in exhibiting please contact the Conference Secretariat.

#### SPONSORSHIP OPPORTUNITIES

The organising committee has sponsorship packages that will offer excellent value for money for interested organisation. Should you need more information, please do not hesitate to contact the Conference Secretariat.

#### ENQUIRIES AND INFORMATION

Please keep visiting the Conference website [www.coalash.co.za](http://www.coalash.co.za) for more information on the following:

- Accommodation
- Pre and post conference tours
- Programme
- Keynote speakers
- Papers and authors
- Registration procedure and banking details
- Exhibition

A final programme will be available in August 2006.

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