

**Dear Colleagues,**

The International Organising Committee of the International Conference on Coal Science (ICCS) has selected **Cairns**, Queensland, Australia as the location for the 12<sup>th</sup> Conference sponsored by member countries of the International Energy Agency. The Conference will take place from 2<sup>nd</sup>-6<sup>th</sup> Nov 2003.

Coal will continue to play a prominent role in the world economy for the foreseeable future. However, it is the successful application of fundamental science to the development of environmentally sound coal technologies that will determine the future acceptability of coal as an energy source in a world striving for sustainability. It will serve us well to consider the competing technologies and steps that will be necessary to take, if coal is to continue to serve as a primary energy source.

As the 11<sup>th</sup> ICCS was unfortunately cancelled due to September 11<sup>th</sup>, this 12<sup>th</sup> conference will be of great importance in covering the latest aspects of coal science. There will be a strong emphasis on environmental performance of coal and its contribution to sustainability. The Australian coal science community is delighted to host the 2003 conference and with the host organisation, the Australian Institute of Energy, would like to invite you to participate in this important event.

We sincerely hope that you are able to join us in Cairns from 2<sup>nd</sup> to 6<sup>th</sup> November, 2003 for the 12<sup>th</sup> International Conference on Coal Science.

**Professor Roy Jackson**  
Chairman, 12<sup>th</sup> ICCS Organising Committee

**Venue:**

**Cairns** is a vibrant tropical city, fringed by the World Heritage Great Barrier Reef and Daintree Rainforest. It has the very best of everything, great restaurants, excellent accommodation, exciting shopping, many cruises, tour attractions and tropical beaches, complemented by a lively cosmopolitan atmosphere. Cairns is in the very heart of the Asia Pacific region with over 95 international flights weekly. Only 10 minutes from the Cairns City Centre, its International Airport makes it readily accessible to Australia and the world.

The Cairns Convention Centre, described as 'One of the World's Top 10 International Convention Centres', is just minutes walking distance from a wide range of three, four and five star hotels. A visit to Cairns is a lifetime opportunity that is not to be missed. An added attraction is the World Rugby Cup being played in Australia at that time, with matches before and after the 12<sup>th</sup> ICCS.

**Scientific Program:**

The technical topics chosen for this conference will be familiar to you; we expect to continue to build upon the vast foundations of knowledge that have been developed in the past. We also hope that you will be inspired to extend our expectations of what is relevant and important in coal research to realise the full potential of this fascinating resource. The future of coal is to continue to support the expanding needs of humanity for low cost energy while maintaining a clean environment, and to serve as the cauldron for the development of new and improved processes, chemicals and materials. In order to understand the complex chemistry of coal it is necessary to gain further knowledge of the fundamental kinetics and mechanisms of the chemical reactions involved in its use.

Our conference theme, "**Coal - contributing to sustainable world development**" is intended to invite you to venture to the edge and to begin to design the future for coal. The Organising Committee invites contributions concerning scientific understanding of fundamentals in all aspects of coal and coal utilisation. Papers merely promoting commercial processes and services will not be considered.

**Program Topics:**

The conference will comprise Plenary and Keynote speakers, and submitted papers presented orally or as posters on, but not restricted to, the following topics:

- **Coal Quality & Characterisation:** Analysis, chemical, physical & surface properties & structure, hetero elements (S, N, Cl), petrography, mineral matter, trace elements.
- **Beneficiation:** Drying, preparation, briquetting & agglomeration, ash removal, washing & flotation, coal liquid mixtures.
- **Coal Processing & Utilisation:** Combustion processes, modelling & investigations, pyrolysis, gasification, liquefaction, oxidation & weathering, solvent extraction, iron & steel making reactions.
- **Environmental Issues:** Sustainability, global warming, greenhouse gas emissions, CO<sub>2</sub> mitigation & sequestration, emissions of SO<sub>x</sub>, NO<sub>x</sub>, particulates, HAPS, trace elements & PM 2.5.

- **Products & By-products:** Formation, chemistry, utilisation and/or disposal of ash, carbons, coke, chars, chemicals & other coal derived products.
- **Low Rank Coals:** Papers on any of the above relating to low rank coals will be grouped together where possible.
- **Other:** Coal Science & Technology topics not otherwise specified will also be acceptable.

**Call for Papers - Submission of Abstracts:**

Intending authors are requested to prepare and submit **before 1<sup>st</sup> February 2003**, an English Abstract of about 250 words. The Abstract should include the authors' names, affiliation and contact details for principal author. The preferred format for submission is a Microsoft Word document that should be e-mailed to [iccs@aie.org.au](mailto:iccs@aie.org.au) or mailed on a CD or 3.5-inch floppy disk to:

12<sup>th</sup> ICCS  
PO Box 268  
Toukley, NSW 2263, Australia

Authors should indicate their preference for oral or poster presentation and the most appropriate Program Topic when submitting their abstracts. However, the Program Committee will make the final decision. Accepted contributions will be included in the Proceedings on CD ROM which will be provided to registered delegates at the registration desk in Cairns. A standard form for submitting Abstracts is available on the website.

**Conference Language:**

All proceedings, publications and presentations of the conference will be in English. No simultaneous translation will be provided.

**Sessions:**

The conference will have plenary sessions, multiple parallel sessions for oral presentations on different subjects and one or more poster sessions.

**Accommodation:**

Accommodation will be available at a number of hotels in Cairns. This cost of this accommodation will range from A\$80 to A\$250 (A\$=US\$0.55). Complete hotel reservation information will be available on the web page and in later brochures.

**Sponsors and Exhibition:**

Organisations interested in sponsoring the conference or having an exhibit should contact the secretariat.

**AIE** – The Australian Institute of Energy (AIE) is the official organiser of the 12<sup>th</sup> International Conference on Coal Science. The AIE was established in 1978 to advance scientific, technological and social studies and professional practice of all energy disciplines and sources. For many years AIE has hosted the biennial Australian Coal Science Conferences. For additional information on AIE, please visit our website at: [www.aie.org.au](http://www.aie.org.au)

**IEA** – The International Energy Agency (IEA) was established in 1974 within the framework of the Organisation for Economic Cooperation and Development (OECD) to implement an International Energy Program. A basic aim of the IEA is to foster cooperation among the twenty-one IEA Participating Countries to increase energy security through energy conservation. This conference forms one element of this program.

**IEA Clean Coal Centre** – Established in 1975, IEA-CCC (formerly IEA Coal Research) provides impartial and objective information and assessments on all aspects of coal-related technologies and economics. Its studies are of considerable significance for all countries involved in the use or supply of coal. See: [www.iea-coal.org.uk](http://www.iea-coal.org.uk)



#### International Organising Committee\*

Dr. Mildred Perry	USA (Chair)
Prof W. Roy Jackson	Australia
Dr. Fari Goodarzi	Canada
Prof Baoqing Li	P.R. China
Dr. Koji Ukegawa	Japan
Mr Jacek Podkanski	IEA
Dr Robert Davidson	IEA Clean Coal
Mr James Ekmann	USA

\* Membership of the IOC is being reviewed.

#### National Organising Committee

Professor Roy Jackson	Conference Chairman
Mr Colin Paulson	Conference Secretary
Dr Brian Young	Program Chairman
Dr David Allardice	Treasurer
Dr David Brockway	
Dr Bob Durie	
Dr David Harris	
Mr Lindsay Juniper	
Mr Frank van Schagen	
Prof Terry Wall	

Conference Manager Alpha Conference Management

#### **Registration Fees: (excluding GST)A\$=US\$0.55**

Payment by August 31, 2003 / After August 31, 2003.

<b>Full Registration</b>	<b>A\$1200/ A\$1400</b>
<b>Single Day</b>	<b>A\$600/ A\$700</b>
<b>Student Registration</b>	<b>A\$700/ A\$800</b>
<b>Accompanying Person</b>	<b>A\$250/ A\$300</b>

Full and Student Registration Fees include the welcome reception, conference dinner, four lunches, coffee breaks, conference abstracts and proceedings on CD. Student Registration is available to accredited full time tertiary students. Evidence of enrolment is required.

The Accompanying Person Fee includes the welcome reception, conference dinner, conference-sponsored social program and a rainforest/coral island tour. Additional tours and other activities will be available at extra cost.

**Pre-Registration** is advisable and available on-line on our website [www.aie.org.au/iccs](http://www.aie.org.au/iccs).

**International delegates** who require an official invitation to attend or present at the Conference, must pre-register as soon as possible and before 31st August, 2003. Invitations may be necessary for some delegates to get approval from their employer or government to attend or for Australian visa applications. If necessary, contact the Secretariat.

#### **Conference Secretariat:**

For any questions and for submission of Abstracts by 1st Feb 2003, contact Alpha Conference Management at:

**12th ICCS**  
**PO Box 268**  
**Toukley, NSW 2263, Australia**

**Telephone/Fax: +61 2 4393 1114**  
**E-mail: [iccs@aie.org.au](mailto:iccs@aie.org.au)**



#### **Critical Conference Dates**

Submission of Abstracts	1 <sup>st</sup> February 2003
Notification of acceptance	1 <sup>st</sup> April 2003
Submission of full manuscript	1 <sup>st</sup> September 2003

Visit our website for pre-registration and updates: [www.aie.org.au/iccs](http://www.aie.org.au/iccs)



## **12TH INTERNATIONAL CONFERENCE ON COAL SCIENCE**

**"Coal – contributing to sustainable  
world development."**

### **PRELIMINARY ANNOUNCEMENT CALL FOR PAPERS**

**CAIRNS CONVENTION CENTRE  
CAIRNS, QUEENSLAND,  
AUSTRALIA**

**2<sup>ND</sup> - 6<sup>TH</sup> NOVEMBER 2003**

Hosted by:

**Australian Institute of Energy  
International Energy Agency  
& IEA Clean Coal Centre**

