

King Coal: future prospects for growth, use and clean technologies

Distinguished Guest Lecturer

“Advances in the technology of the use of coal”

Professor James Sumner Harrison, Chairman of the British Coal Utilisation Association

In most developed countries, coal has made a major contribution to the supply of the energy to support that development. Coal will continue to play an important part for the foreseeable future. However, the use of coal has been faced with increasing challenges to improve its performance and to deal with the demands of the environment. The technology of using coal and its products has progressively responded to these challenges, firstly by improving the efficiency of its use and more recently by dealing directly with the pollutants that are produced during combustion or conversion. The advances have been made partly by pragmatic step-by-step improvements in engineering practice, but in more recent years by a greatly improved scientific understanding of the nature of coal and of the processes involved in its utilisation.

Professor Harrison was born in Lancashire and educated at the Royal Grammar School Guildford and Loughborough College. He graduated at Loughborough and London University. He has been a Euro Engineer since 1990 and a Fellow of the Royal Academy of Engineering since 1994. He is a visiting Professor at Leeds University in the Energy & Resources Institute. Professor Harrison is Chairman of the British Coal Utilisation Association. He has been President of the Institute of Energy, and Chairman of the National Society for Clean Air and Environmental Protection. He was instrumental in setting up IEA Clean Coal Centre, the IEA Greenhouse Gas R&D Programme and a co-founder of the Coal Research Forum. He has served on the European Commission sub-committee for Energy Research and Development and on advisory committees of the UK Government. He has given evidence on the greenhouse effect and on clean coal technology to Select Committees of the Commons, Lords and the European Parliament.

Professor Harrison served on technology review committees of the International Energy Agency and he edited the IEA publication on Clean Coal Technology. He has been a member of several Executive Committees of IEA projects and was Managing Director of IEA Coal Research. Since retiring as the Director of the Coal Research Establishment for British Coal, he has maintained his interest in environmental aspects of energy use and in the role of energy technology in contributing to the solution of developmental and environmental problems. He is a contributor to policy on these matters to the Institution of Chemical Engineers and Chairman of their Subject Group on Energy Conversion Technology. He was a founder of the non-governmental organisation, the Centre for Business and the Environment, and represented them at many United Nations meetings on climate change.

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**ROYAL SOCIETY OF CHEMISTRY
ENVIRONMENTAL CHEMISTRY GROUP**

Thirty-seventh Annual General Meeting, and
Distinguished Guest Lecture & Symposium on

King Coal: future prospects for growth, use and clean technologies

To be held in the Library at the Royal Society of Chemistry on
Wednesday 24th March 2010

The 2010 Distinguished Guest Lecturer:
Professor James Harrison
(British Coal Utilisation Association)

PROGRAMME

12.00 – 12.50	Lunch and registration
12.50 – 14.30	Symposium on “King Coal: future prospects for growth, use and clean technologies”
14.30 – 15.00	2010 Annual General Meeting and Coffee/tea
15.00 – 15.45	Symposium on “King Coal: future prospects for growth, use and clean technologies” (<i>cont’d</i>)
15.45 – 16.50	Distinguished Guest Lecture

A buffet lunch will be served at 12.00
Coffee/tea will be served at 14.30

Venue: Royal Society of Chemistry, Burlington House, Piccadilly, London, W1J 0BA
The nearest Tube stations are Green Park and Piccadilly Circus

Royal Society of Chemistry. Registered Charity No. 207890

Environmental Chemistry Group 37th Annual General Meeting

24th March 2010, 14.30 The Library, Burlington House, Royal Society of Chemistry

AGENDA

1. Apologies
2. Minutes of the 36th AGM held on 4th March 2009
3. Report on Group Activities
4. Election of officers and members of the Committee
5. Any other business

The composition of the present Committee is given below, with an indication of members who will be retiring under the rules of the Group.

Chair	(1)	Dr Leo Salter (Cornwall College)
Vice-Chair	(2)	
Honorary Treasurer	(3)	Dr Ruben Sakrabani (Cranfield University)
Honorary Secretary	(4)	Ms Jo Barnes (University of the West of England)

Members:

Dr Rupert Purchase	(5)	(Consultant)
Dr William Bloss	(5)	(University of Birmingham)
Dr Stephen Ball	(5)	(University of Leicester)
Mr James Lymer	(5)	(Wardell Armstrong)
Dr Adrian Kybett	(6)	(University of Leeds)
Dr Andrew Parker	(6)	(University of Reading)
Dr Roger Reeve	(7)	(University of Sunderland)
Dr Imad Ahmed	(7)	(University of Lancaster)

Representatives:

Dr Elizabeth Milsom	(8)	(Royal Society of Chemistry)
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- (1) Dr Leo Salter remains as Chair
- (2) Dr Brendan Keely retires as Vice-Chair
- (3) Ruben Sakrabani remains as Honorary Treasurer
- (4) Ms Jo Barnes remains as Honorary Secretary
- (5) Dr Rupert Purchase Dr William Bloss, Dr Stephen Ball, and Mr James Lymer remain as Committee members
- (6) Dr Adrian Kybett, Dr Andrew Parker have retired from the Committee
- (7) Roger Reeve and Imad Ahmed stand for election as members to the ECG Committee
- (8) Dr Elizabeth Milsom remains as RSC representative for the ECG

Nominations are invited to join the Committee. Written nominations (including self-nominations) are accepted at any time throughout the year, though should be lodged with the Secretary at least six weeks prior to the AGM at which they are to be formalised. Committee members should be prepared to accept a portfolio of duties as a condition of membership.

Nominations with an appropriate CV should be sent to the Honorary Secretary:

Ms Jo Barnes, Air Quality Management Resource Centre, University of the West of England, Coldharbour Lane, Bristol, BS16 1QY annaaj_senrab@hotmail.com

Symposium & Distinguished Guest Lecture **King Coal: future prospects for growth, use and clean technologies**

The Library, Burlington House, Royal Society of Chemistry

PROGRAMME

12.50	Chairman's Introduction, Dr Leo Salter (Chairman, ECG)
13.00	Dr Douglas Parr (Greenpeace UK) " <i>Risks of, and Alternatives to, New Coal</i> "
13.45	Nigel Yaxley (CoalImp (Association of UK Coal Importers)) " <i>World coal and the imperative for CCS</i> "
14.30	Environmental Chemistry Group Annual General Meeting and Coffee/tea
15.00	Professor Stuart Haszeldine (University of Edinburgh) " <i>Carbon Capture and geological storage: Silver bullet, or broken bridge to the future?</i> "
15.45	Introduction to the 2009 Lecture and presentation of the DGL Medal
15.50	RSC Environmental Chemistry Group Distinguished Guest Lecture: Professor James Sumner Harrison, (British Coal Utilisation Association) " <i>Advances in the technology of the use of coal</i> "
16.50	Open Forum
17.15	Close

Admission is by ticket only. In order to register for this meeting, please complete the slip below and return to Dr Leo Salter by post, email or fax (see details below). There is a charge of £25 for members of the ECG and £50 for non-members of the ECG (£25 concessions, i.e. student/unwaged (proof required)). Cheques should be returned with the slip (made payable to *RSC Environmental Chemistry Group*). **Early application is encouraged as places are limited and will be allocated on a first come first served basis. Five places are reserved free for retired members; these will also be allocated on a first come first served basis.**

ROYAL SOCIETY OF CHEMISTRY, ENVIRONMENTAL CHEMISTRY GROUP

Thirty-seventh Annual General Meeting, 24th March 2010 and Distinguished Guest Lecture & Symposium on *The Future of Water*

Please tick the item(s) below as appropriate,

I would like to attend:

☐ The AGM ☐ The Symposium

I enclose a cheque for:

- ☐ £25 registration fee (ECG members/non-ECG concessions) RSC membership no. _____
- ☐ £50 registration fee (non-members of the ECG)
- ☐ I would like to attend as a retired RSC and ECG member

Name:

Address:

Email:

Dietary/access requirements:

Please send to: Dr Leo Salter, Opie, Cornwall College, Pool, Redruth, Cornwall TR15 3RD
leo.salter@cornwall.ac.uk Fax 01209 616230