



# A New Age for Coal with Carbon Capture and Storage (CCS)

Thursday 7 November 2013

Institute of Materials, Minerals and Mining, London, UK

Organised by SCI's Science and Enterprise and  
Process Engineering Groups



# Programme

- 09:30** Registration and refreshments
- 10:00** **Introduction by chair for morning session**  
Stuart Haszeldine, Edinburgh University
- 10:05** **The role of coal in the evolution of European energy policy**  
Mark Powell, AT Kearney Energy and Utilities Group
- 10:30** **Prospects for growth of CCS as an enabler for coal**  
Jeff Chapman, Carbon Capture and Storage Association
- 10:55** **Commercial feasibility of integrated gasification combined cycle (IGCC)**  
Francisco García Peña, ELCOGAS Puertollano IGCC Plant
- 11:20** **Flameless pressurised oxycombustion (FPO)**  
Massimo Malavasi, ITEA
- 11:45** Refreshments
- 12:15** **Overview of CO<sub>2</sub> capture**  
Paul Fennel, Impérial College
- 12:40** **Status and future outlook for carbon credit certificates**  
Alexandre Vial, Enercap France
- 13:05** **CO<sub>2</sub> capture projects**  
Giancarlo Benelli, ENEL
- 13:30** Lunch
- 14:30** **Introduction by chair for the afternoon session**  
Chair: Andy Brown, Progressive Energy
- 14:35** **CO<sub>2</sub> storage / disposal technologies**  
Stuart Haszeldine, Edinburgh University
- 15:00** **Oral poster presentation**
- 15:15** **CO<sub>2</sub> utilisation: The White Rose CCS project and development of the Humber Cluster**  
Peter Emery, Drax Power
- 15:40** **Models and drivers for commercialisation**  
George Day, Energy Technology Institute
- 16:10** **Panel Q&A, presentation of poster prize and wrap-up**
- 16:35** Refreshments and close

## Posters

Poster submissions are invited on the topic of R&D into capture, storage and utilisation of CO<sub>2</sub>. To make a submission, please send a 250 word abstract entitled "A New Age for Coal with CCS - poster abstract", by **4 October 2013** to [conferences@soci.org](mailto:conferences@soci.org). All submissions will be acknowledged.

## Synopsis

The International Energy Agency (IEA) states that CCS, or Carbon Capture and Storage, could reduce global carbon dioxide emissions by 19%, and that fighting climate change could cost 70% more without CCS.

In March 2013, the UK Government Department of Energy and Climate Change (DECC) announced a £1bn CCS Commercialisation Programme Competition aimed at developing technology at scale for the removal of CO<sub>2</sub> emissions from coal and gas fired power stations.

The first in a series of SCI events exploring solutions for large scale capture, storage and utilisation of CO<sub>2</sub>, this conference will provide an update on the enabling technologies for combustion and CO<sub>2</sub> capture, CCS projects underway and planned, and models and drivers for commercialisation.

Two SCI journals (published jointly with Wiley) report the latest advances in the field: Energy Science and Engineering, and Greenhouse Gases: Science and Technology.

## Attendees

This conference is intended for policy managers (re. regulatory development), academics in the field (re. market development), R&D managers, marketing and business development managers, investment decision makers and media.

## Sponsors

For sponsorship opportunities, please contact [patricia.cornell@soci.org](mailto:patricia.cornell@soci.org)

### Energy Science & Engineering



### Venue

This conference will take place at the Institute of Materials, Minerals and Mining (IOM3), 1 Carlton House Terrace, London, SW1Y 5DB.



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7 November 2013 @ Institute of Materials, Minerals and Mining, London, UK

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