

Panel Discussion – BF2RA’s Role in Meeting Research Needs

Panel Comprises BF2RA Members and BF2RA Technical Officer

**Coal Research Forum:
Presentation of a selection of projects funded through the BF2RA Research Programme**

University of Nottingham, 15 October 2013



BF2RA's project portfolio

Eleven research projects are currently underway:-

- Dynamic modelling and simulation of supercritical coal-fired power plant with CO₂ capture ability - University of Hull
- Intelligent flame detection incorporating burner condition monitoring and on-line fuel tracking – University of Kent
- Impact of biomass torrefaction on combustion behaviour in co-firing – University of Nottingham
- Avoiding sintering of coal-fired shallow fluidised beds – University of Nottingham
- Milling and conveyance of biomass – University of Nottingham
- A new classification system for biomass and waste materials – University of Nottingham
- Modelling of power plant alloys – University of Nottingham
- Development of a novel feeding system for use with high pressure combustion and gasification systems – University of Sheffield
- Low Temperature Ignition of Biomass – University of Leeds
- Novel Coatings for Biomass Firing – University of Cranfield
- Coated Ferritic Alloys – University of Nottingham

BF2RA's project portfolio (continued)

Three further projects just about to start:-

- Biomass Exacerbated Cyclic Oxidation of Steels in Steam (BECOSS) – University of Birmingham
- Biomass Co-firing to Improve the Burnout of Un-reactive Coals in Pulverised Coal Combustion – University of Nottingham
- Modelling the Milling of Biomass – University of Nottingham

Priority Research Themes

Priority research themes for the 2014 Open Call for Proposals will include all/some of the following :-

- Utilisation of fossil fuel and biomass
- Plant operation and control
- Materials development
- Advanced cycles for fossil fuel/biomass utilisation
- Control of emissions and products arising from fossil fuel and biomass utilisation

What are the priority topics within these themes?

Are there any specific projects that should be undertaken?

For further information about BF2RA please:-

- visit: - www.bf2ra.org

or

- email: - technical@bf2ra.org

Thank you

