



BRITISH FLAME

COMBUSTION DIAGNOSTICS: The Route Map to Increased Efficiency, Lower Emissions and Improved Product Quality

22nd November 2006

Swinden House Training & Conference Centre, Corus Technology, Swinden
Technology Centre, Rotherham, South Yorkshire

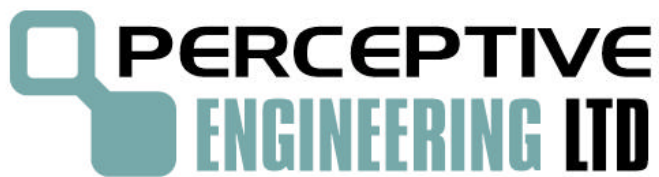
Programme

9.15 – 9.45	Registration	
9.45 – 9.50	Welcome & Introduction	Roger Dudill, BF Chairman
9.50 – 10.20	Keynote Lecture: Combustion diagnostics at the new IFRF Experimental Area: opportunities for new research programmes	Prof. Leo Tognotti, Director IFRF-UNipi & Mario Graziadio, ENEL
10.20 – 10.50	Environmental Issues as Drivers for Improver Diagnostics	Dr Neil Haines, Corus Research, Development & Technology
10.50 – 11.15	Morning coffee break & time to visit exhibition and posters	
11.15 – 11.45	Improving Combustion Efficiency through key measurements	Stuart Harris & David Amory, Ametek Land
11.45 – 12.15	The Use of NEO Lasergas Systems for High Speed Oxygen Measurements in Industrial Furnaces	Dr Cameron Stathers, Casella ETi
12.15 – 12.45	Optical Diagnostics for Combustion	Prof. Peter Bryanston-Cross & Dr Brenda Timmerman, University of Warwick
12.45 – 13.30	Lunch & exhibition & posters	
13.30 – 14.00	Combustion Diagnostics on Fossil Fuel Fired Power Plant	Mike Garwood, E.ON UK, Power Technology
14.00 – 14.30	Energy and Emissions: Prediction and Monitoring	Dr Keith Smith, Perceptive Engineering Ltd
14.30 – 15.00	Intelligent Monitoring of Pulverised Fuel Fired Burners Using Low-Cost Sensors	Dr Oui Tan, Prof Steve Wilcox, Prof John Ward & Dr Chee Tan, University of Glamorgan
15.00 – 15.15	Afternoon Tea break	
15.15 – 15.45	The Application of Flame Tomography to Improve Combustion Efficiency	Connie Ellul, Prof Mohamed Pourkashanian, Mi Wang & Prof Alan Williams, University of Leeds
15.45 – 16.15	Metal Emissions from MSW Incinerators	Dr David Poole, Prof Vida Sharifi, Dirk Ardel and Prof Jim Swithenbank, University of Sheffield
16.15	Meeting Close	

Poster-Papers to date

1. A Neural Network Based system for On-line Detection of Near0burner Slag Formation in Pulverised Fuel-fired Boilers: Dr Chee Tan, Prof Steve Wilcox and Prof John Ward, University of Glamorgan
2. Gas Turbine Combustion Optimisation: Cath Goy, E.ON UK, Power Technology

Exhibitors & Sponsors



International Flame Research Foundation