



British Flame

In association with the IoP, Combustion Physics Group

1-day TECHNICAL MEETING

WASTE ENERGY UTILIZATION

24th March 2010

At NAMTEC on the Corus Swinden Technology Centre Site, Moorgate Road, Rotherham S60 3AR

Final Announcement and Meeting Registration

The meeting will examine short, medium and longer-term measures and strategies that address the need to improve Waste energy utilization. The speakers will discuss such approaches over diverse processes, whilst concentrating on low-grade fuels and heat below 500°C

All industrial sectors operate under legislated levels of emissions, both carbon-based and other more familiar ones. Apart from the targets coming from Kyoto and G8, many companies recognize the business opportunity of a substantive low emissions approach. Chemical and thermodynamic limits to those aspirations make fascinating challenges and opportunities for engineers tasked with achieving cross-disciplinary targets having a large management component.

Many sectors already operate best practice and others can learn from them. Such schemes may address operational issues such as high-efficiency flue gas heat recovery technologies, control systems, base load reduction and the like. Advanced systems may include low-grade heat recovery using specialized heat engines and heat exchangers with new materials, integrated processes, utilization of waste energy streams, and process adaptations. Identifying the barriers to change and implementation is crucial.

The meeting will be relevant to energy managers; energy policymakers; equipment manufacturers; research practitioners and students; performance & economic system modellers.

The 1-day Conference is being held at the NAMTEC Conference Centre on Corus' Swinden Technology Centre Site, Rotherham and will commence with coffee & registration from 09.30h. The meeting will finish at around 16.00h.

Please complete the Registration Form and return it to British Flame on or before Wednesday 10th March to secure your registration.

The meeting cost covers morning and afternoon refreshments, plus copies of the extended abstracts.

IN ADDITION TO MEMBERS, NON-MEMBERS OF THE BFRC AND IoP CPG ARE PARTICULARLY WELCOME.

THE MEETING IS OPEN TO ALL

Cost and Registration

The meeting registration fees are:-

£60 + VAT for British Flame and IoP Members
£80 + VAT for Non-Members

The cost for attending the meeting covers morning and afternoon refreshments, lunch and copies of the extended abstracts.



British Flame

1-day Technical Meeting on Waste Energy Utilization, **24th March 2010**
NAMTEC on the Corus Swinden Technology Centre Site, Moorgate Road, Rotherham S60 3AR

Attendance Registration Form

Please complete and return this form, **with your cheque or purchase order**, to: Jeff Rhine, British Flame Membership Officer, c/o 58 Howard Road, Kings Heath, Birmingham, B14 7PQ. Or, **preferably**, email the completed form to jmrbf@aol.com

	Cost (£)
I wish to reserve Members' place(s) at the £60 + 17.5% VAT (£)	
I wish to reserve Non-members' place(s) at the £80 + 17.5% VAT (£)	
Total Cost	

Cheques should be made out to BFRC – we cannot accept credit cards, but will accept payment on the day by cheque or cash in GBP. Alternatively, payment can be made by direct bank transfer: Bank HSBC: Account name British Flame Research Committee: IBN No. GB39MIDL40052290183105: Sort Code 40-05-22, Acc No. 90183105. Please indicate if your organisation will be paying by direct bank transfer. VAT receipts will be issued on request. *** Please indicate how you plan to pay

Delegate Name(s):

Position: **Department:**

Organization:

Address:

.....**Post Code:**

Tel:.....**Fax:**

Email: **Any Special Dietary Requirements:**

British Flame or IoP member: state which?

Important notes

All Delegates are required to return this form and register for the conference. Places are limited.

British Flame 1-Day Technical Meeting on Waste Energy Utilization

NAMTEC on the Corus Swinden Technology Centre Site, Moorgate Road, Rotherham S60 3AR, 24th March 2010

Papers scheduled to be presented

1	Alternative thermal cycles for conversion of waste heat below 500°C to electricity	George Atkinson et al	Parsons Brinckerhoff
2	Innovative heat recovery solutions using the Econotherm heat pipe technology	Chris Bayliss & Mark Boocock	Econotherm Ltd
3	Thermal management and demand in Process Industries	Andrew Hopkins & Tim O'Doherty	Corus & Cardiff University
4	Electric power generation from waste heat sources by Organic Rankine Cycle	Clive Whitbourn & Roger Mallinson	DRD Power Ltd
5	Oxyfuel combustion of low calorific blast furnace gas for steel reheating furnaces	Mark Cole & Joseph Ho	BOC
6	Energy recovery in the sugar manufacturing process	Michael Karamani	British Sugar
7	Power generation from industrial waste heat with ORC-technology	Johan Vergouwen	Maxxtec Benelux
8	Mapping for energy recovery: A case study	John Martin	ABB
9	Low Grade Thermal Energy Recovery by Drying Biomass and Industrial Condensing Boilers	Q. Chen, H. Li, X. Zhang, V. Sharifi & J. Swithenbank	University of Sheffield

***** *In the addition to above papers we would very much welcome Posters from all delegates attending this 1-Day meeting. Please contact Jeff Rhine at jmrbf@aol.com if you plan to bring a poster(s), so we can organise the necessary boards.* *****