

MUSC

Manufacturing Using Sustainable Chemistry

2nd Meeting at York Science Park

16th February 2012

Microwave-enhanced chemistry and the alternative uses of microwave heating have been growing in recent years. York is world-leading in its biorefinery research with the Green Chemistry Centre of Excellence (GCCE), the Centre for Novel Agricultural Products (CNAP) and FERA all enjoying international reputations in the application of plant biology, green chemical technologies and agronomy to the valorization of non-food biomass to make chemicals, fuels and materials.



Microwave processes are commercially proven and energy-efficient in areas such as waste treatment, and are known to promote rapid chemical reactions but their application to biomass conversion has been little studied. The GCCE has shown that through specific interactions, microwaves can rapidly and selectively decompose large volume biomasses including food waste, agricultural by-products and forestry residues. We can tune the microwave process to between solid and liquid fuels, sugars and chemicals products. This meeting coincides with the opening of the first phase of the Biorenewables Development Centre (BDC) on the York Science Park, the biorefinery R+D facility will be unique to the UK and will showcase state-of-the-art microwave-biomass processors and other other clean chemical and white biotechnology with open-access to academic and industrial collaborators. The facility aims to bridge the current “proof of principle” and scale-up gap which exists for novel technologies by allowing these technologies to be demonstrated and integrated without capital risk from the end user.

The programme for the day will consist of presentations, poster sessions and a tour of the new Biorenewables Development Centre (BDC). Speakers will include Mike Lancaster of the CIA, Dr Marilena Radoiu of Sairem and Dr Ondrej Masek of the UK Biochar Research Centre.

THE UNIVERSITY *of York*



<http://www.musc-network.co.uk>

Booking form
Manufacturing Using Sustainable Chemistry
16 February 2012 – Innovation Centre, York Science
Park, Innovation Way, Heslington, York, YO10 5DG


Please complete and return this booking form to secure your place. ONE FORM PER PERSON

Delegate details

Title:	First name:	Surname:
Job title:		
Company:		
Address line 1:		
Address line 2:		
Town:		
County:	Postcode:	
Telephone:	Fax:	
E-mail:		
Booked by:		
E-mail address for receipt/invoice to be sent if different from above:		
Post: Mavis Wright, CIA, Kings Buildings, Smith Square, London SW1P 3JJ		
Fax: 087181 30306 Email: WrightM@cia.org.uk Telephone: 020 7963 6737		

CONFIRMATION

Confirmation of booking/joining instructions will be issued by email.

PAYMENT

Bookings not accompanied by payment (cheque/credit card details) must quote a purchase order number. Cheques and bankers drafts must be in Sterling and should be made payable to Chemical Industries Association. Please ensure that the total amount includes VAT.

Chemical Industries Association bank details:

NatWest Bank plc
Piccadilly & New Bond St Branch
63 Piccadilly, London W1J 0AJ
Sort Code: 50-41-01
Account No 23114193
Swift No: NWBKGB2L
IBAN No: GB04NWBK50410123114193
VAT No: 235 5606 66

Under UK excise regulations delegates from all countries are required to pay VAT on any course taking place in the UK.

CANCELLATIONS/SUBSTITUTIONS

Substitutions at the same membership level can be accepted at any time. If a booking is cancelled within 14 days of the event, or if the delegate fails to attend the course, the full course fee is payable.

CONTENT

There may be occasions when changes in programme content, speakers, timing and location have to be made for reasons outside our control. CIA accepts no responsibility for the opinions of speakers or any other persons expressed on its courses. In the event that CIA has to cancel a course a full refund will be given. CIA accepts no responsibility for any travel arrangements or cost due to cancellation.

ACCESS REQUIREMENTS

To help us ensure that all delegates attending the event are able to participate fully, please let us know about any requirements you have by contacting events@cia.org.uk.

DIETARY REQUIREMENTS

We always provide vegetarian options at our events, but please inform us if you need us to cater for any other dietary requirements.

DATA PROTECTION

CIA processes the information provided by its members and non-members to enable it to carry out its activities in accordance with its objectives and for its administrative purposes. We may use the information to tell you about our other products and services. We will not make it available to any other person without prior consent from you.

Payment details

<i>Cost per delegate: please tick appropriate box</i>			
<input type="checkbox"/>	CIA Full Members: £110 (+ 20% VAT £22.00) = £132.00		
<input type="checkbox"/>	Non Members: £140 (+ 20% VAT £28.00) = £168.00		
<input type="checkbox"/>	Cheque Please make payable to Chemical Industries Association		
<input type="checkbox"/>	Bank transfer: NatWest Bank plc, Piccadilly and New Bond Street Branch, 63 Piccadilly, London W1J 0AJ. Sort code: 50-41-01; Account No 23114193; Swift No: NWBKGB2L; VAT No: 235 5606 66 Please forward a remittance advice to our accounts department quoting reference: 80389		
Bookings not accompanied by payment must quote a purchase order no:			
Credit Card: Please debit my: <input type="checkbox"/> Mastercard <input type="checkbox"/> Visa <input type="checkbox"/> Amex			
Card No:		Expiry Date:	
Security No: (last three digits on reverse of card)			
Name and address of cardholder if different from above:			