

Registration

REGISTRATION FORM
MOLECULES TO PARTICLES: ULTRASOUND IN SYNTHESIS,
PARTICLE ENGINEERING AND MEASUREMENT
TUESDAY 15 - WEDNESDAY 16 JANUARY 2008, WEETWOOD HALL, LEEDS, UK
Please reserve a place for me as indicated below (please insert details and tick boxes).

Title _____ Surname _____ First name(s) _____

Company or Institute _____

Address for correspondence _____

Postcode _____ Country _____

Tel. _____ Fax. _____

Email _____

Special Dietary Requirements _____

MEETING FEES - includes refreshments, Tues. eve. buffet and Wed. lunch

- | | | | |
|--|------|--|------|
| <input type="checkbox"/> Members registration | £145 | <input type="checkbox"/> Exhibitor incl. 2 x registrations | £750 |
| <input type="checkbox"/> Non-members registration | £170 | <input type="checkbox"/> Sponsorship incl. 2 x registrations | £750 |
| <input type="checkbox"/> Student registration | £70 | <input type="checkbox"/> Tick for evening hot buffet Tues 15/8 | £0 |
| <input type="checkbox"/> Late registration (after 1 December 07) | £210 | <input type="checkbox"/> Tick to supply Poster | £0 |

Total payable to the University of Leeds £ _____

Title of poster if applicable: _____

PAYMENT DETAILS (please tick box indicating payment method)

I enclose a cheque for £ _____ made payable to the "University of Leeds". Please note that cheques should accompany your registration form and should be made payable in Pounds Sterling and drawn on a UK bank.

I wish to pay by Debit/Credit Card - please insert details below

Cardholder's name: _____ Card No. _____

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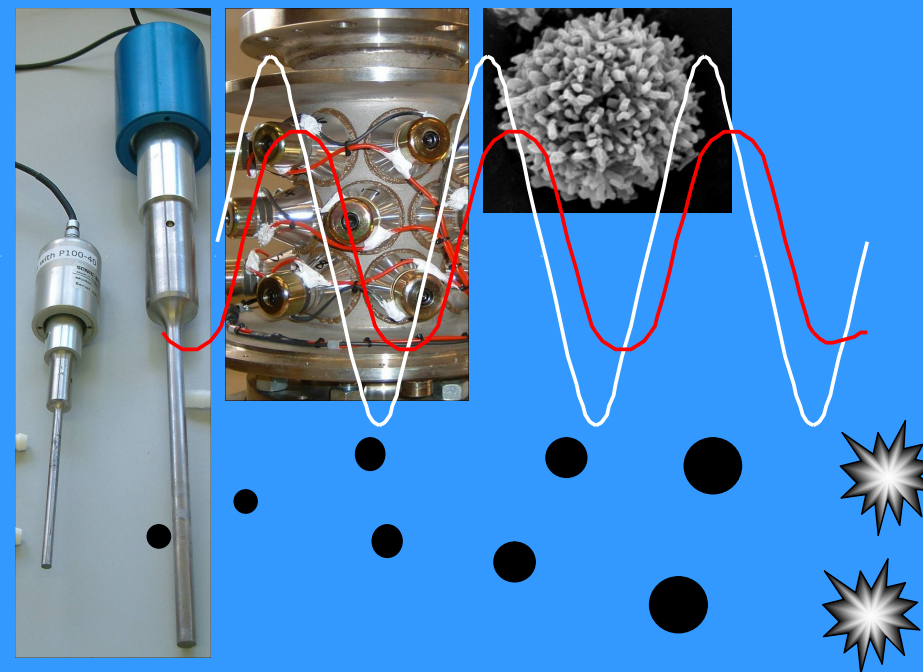
Valid From: _____ Expiry Date: _____ Security No (last 3 digits on reverse of card): _____

In sending this registration I agree to the following Terms and Conditions of registration: Payment should accompany your registration form and can be made by Debit/Credit Card or Cheque made payable to the 'University of Leeds'. Unfortunately we are unable to accept payment by American Express. Fees must be paid in full no later than 10 working days before the meeting commences. Failure to pay may result in attendance being refused. Registrations are accepted on the understanding that the printed programme is given in good faith but may have to be re-scheduled or the speakers changed for reasons outside our control. The University of Leeds and organising committee reserve the right to cancel or postpone the meeting, in which case fees will be refunded in full. In the event of cancellation, the University/ organising committee will not be held liable for delegates travel or accommodation expenses. Where a delegate wishes to cancel a registration, written cancellations received up to four weeks before the meeting will be subject to an administrative charge of 20% of the total remittance. After this date the full fee is chargeable and no refunds will be made, this also applies for non-attendance but copies of the meetings material will be sent. Substitutions may be made at any time.

In sending this registration I agree to the Terms and Conditions as stated
Please send completed registration form to: Secretariat, "Molecules to Particles using Ultrasound"
CPD Unit, Faculty of Engineering, c/o Civil Engineering, Room 209, University of Leeds, LEEDS, LS2 9JT, UK
Tel: + 44 (0)113 343 8104. Fax: + 44 (0)113 343 2511. E: cpd@engineering.leeds.ac.uk

Molecules to Particles: The Use of Ultrasound in Synthesis, Particle Engineering and Measurement

Tuesday 15- Wednesday 16 January 2008
Weetwood Hall, Leeds, UK



**Sonochemistry
Group**

RSC | Advancing the
Chemical Sciences

Formulation Science & Technology Group

Programme

Evening Reception - Tuesday 15th January 2008

- 19.00 Wine Mixer
19.30 Hot Buffet

Molecules to Particles Symposium - Wednesday 16th January 2008

- 09.00 Registration and Coffee
09.35 Introduction and welcome

(Titles of presentations TBA except where stated)

Ultrasound in chemistry, processing and synthesis

- 09.45 **Professor Tim Mason, University of Coventry, UK**
An overview of sonochemistry and its applications
- 10.30 **Professor Giancarlo Cravotto, University of Turin, Italy**
Recent advances in ultrasound-promoted synthesis

Sonocrystallization and particle engineering with power ultrasound

- 11.15 **Dr Graham Ruecroft, Prosonix, UK**
Sonocrystallization: examples, equipment and scale-up

Crystallization and wet-milling of pharmaceuticals with power ultrasound

- 11.55 **Dr Aaron Moment, Merck, USA**
- 12.35 Lunch - Posters and Exhibition
- 13.45 **Dr Terry Kougoulos, Pfizer, UK**

Particle engineering of APIs with respect to drug inhalation- preparation and performance

- 14.25 **Dr Rob Price, University of Bath, UK**
- 15.05 Tea, Posters and Exhibition

Measurement- ultrasound as a PAT tool in the manufacture of APIs, crystallization, and particulate Systems

- 15.40 **Professor Kevin Roberts, University of Leeds, UK**
- 16.20 **Professor Malcolm Povey, University of Leeds, UK**
- 17.00 **Professor Richard Challis, University of Nottingham, UK**
- 17.40 Closing remarks

Synopsis

Ultrasound in medical applications, emulsifying cosmetics and foods, welding plastics, cutting alloys, and large-scale cleaning is already established; but there are many other areas where ultrasound can make significant contributions to pharmaceutical processing. None of these applications take advantage of the effects that ultrasound can have on chemical reactivity -both stoichiometric and catalytic, crystallization nucleation, particle engineering and measurement. Power ultrasound can also be used for manufacture of mesoscopic particles for drug inhalation. In measurement ultrasound can be used in for example tomography in order to 'see' dynamic processes and understand the scattering phenomena of ultrasound in particulate systems. This one day symposium brings together three key areas where ultrasound can be used as both a processing and analytical tool in the production of pharmaceutical products. Importantly reference will be made about how ultrasound can be used as a PAT tool in the FDA's Quality by Design (QbD) Initiative.

Sponsorship, Exhibition & Posters

Limited exhibition space will be available. Please book early! In addition the symposium will be hosting a poster session that will run throughout the day. The organisers will be pleased to hear from companies willing to sponsor elements of the symposium such as sessions and wine mixer

Venue

Weetwood Hall, Leeds, UK, is the largest and most flexible conference centre in the North of England, with state of the art AV technology and 4 star catering and accommodation. Please contact the hotel directly to make reservations:-
Tel: +44(0)113 2306000 or visit **www.weetwood.co.uk**

