RSC | Advancing the Chemical Sciences

PARTICLE CHARACTERISATION INTEREST GROUP

Particle Characterisation Interest Group of RSC
Analytical Division
The Royal Society of Chemistry

Training Meeting on Particle Size Measurement
(Certificate of Training for Professional Development Provided)

At L.G.C. ,
The Heath Business Park,Runcorn
Cheshire WA7 4QX
Wednesday 21st March 2007

Particle Sizing is but one task undertaken within modern analysis laboratories. Such laboratories also experience quite a high turnover of people in order to further the career paths of the staff, and it is not always possible for the outgoing staff to pass on their experience and knowledge to the newcomers. This training day, provided by some of the most experienced members of the Particle Sizing community, aims to offer a comprehensive and practical view of the measurement of particle size distributions.
It will focus on the techniques of laser diffraction, dynamic light scattering, (photon correlation spectroscopy PCS), electrozone sensing and sieving. It will also cover sampling, dispersion, presentation of results and current standards and certified reference materials. Particular attention will be paid to the pitfalls that may be encountered.
Comprehensive notes will be provided together with a certificate of training.

PROGRAMME

9.00-09.45 Registration and Coffee

09.45 Introduction to Particle Size Measurement and Characterisation
Dr Nayland Stanley -Wood

10.15 Sedimentation
Mr. Ron Buxton

10.45 Image Analysis
Mr Keith Brocklehurst

11.15 Problems and application difficulties commonly experienced in laser diffraction measurements
Mr Maurice Wedd

11.45-13.00 Buffet Lunch / Demonstrations

13.00 Sub Sampling of Powders
Dr Henk Merkus

13.30 Electrozone Sensing Method
Mr Andrew Mark

14.00 Sieves. Their use and abuse
Dr Dominic Rhodes

14.30 Understanding Surface Area and Pore Size Measurement
Mr Mike Tucker

15.00 Measurement of Size and Zeta Potential using dynamic light scattering
Mr. Mike Kaszuba

15.30 The speakers together with others will conduct an exchange forum to resolve individual questions either in public so that all may learn or in one to one discussions.

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Particle Characterisation Interest Group Analytical Group of RSC

Registration Form

To register please complete this page and return with payment by the 16th March 2007 to:

Mrs Nicki Tonkinson C/O Particle Technology Ltd
Unis 1&2, Station Yard Industrial Estate
Hatton,South Derbyshire
DE65 5DU.
Tel: 01283 810091/520365
Fax: 01283 520412 Email: particles@btconnect.com

Delegate (please complete one form per delegate)

Name	
Company	
Address	
Telephone	
Fax	
E mail	
IndicatePayment Method& Amount	
Dietary Requirements	
Please indicate whereyou heard of this meeting	

Registration Fees: Please indicate*

Costs include tea/coffee and lunch:
£110.00 Non Members, £90.00 RSC/PCIG Member, £55.00 Student Rate
I enclose a cheque for £_____ payable to Particle Characterisation Interest Group
(overseas cheques should be made in £ Sterling by a cheque drawn on a London Bank or otherwise free of all bank charges and commission).
Registration fees must be paid prior to the official start of the event. Registration can only be confirmed on receipt of payment. Receipts will be sent on request with a map and confirmation of Booking.

If paying by credit card please include details: **Unfortunately, we are unable to accept American Express**

Name of Cardholder	
Credit Card Number	
Expiry Date	
Security Code (last 3 digits on reverse of card)	

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