Industrial Powder Mixing
Tuesday 13 – Wednesday 14 November 2018

Early Bird Registration until 5 October
Background to the course
This practical powder mixing course has been a resounding success with participants since its launch in 2004. Now an established feature in the annual programme of CPD short courses, we are pleased to offer the course again in November 2018.

Who should attend?
The course is relevant to those concerned with quality assurance and improvement of existing processes and to those developing new product formulations and processes. It is of particular interest to practitioners in the food, pharmaceutical, pigments, detergents, cosmetics, nuclear, plastics and general chemical industries.

Course outline
Emphasis throughout is on the industrial application of basic principles. Extensive interactive notes will be provided to participants and demonstrations, case studies and theory will be introduced wherever relevant. Powder flow and its significance in selecting the most appropriate mixers will be discussed.

Quality assurance, powder sampling techniques, a practical discussion of the statistics of mixing and the value of statistics at the formulation stage will be covered. The handling, packaging and marketing of powder products will also be discussed.

As well as offering the opportunity to discuss specific problems during the course, the afternoon of day 2 will include a group or individual powder mixing clinic.

What our delegates say
“Enthusiastic powder expert, with ability to explain complicated issues simply”

“Excellent overview of powders. Professor Norman Harnby’s industrial experience is absolutely fantastic”

“An excellent overview of challenges faced by businesses. The course provides a solid foundation of the fundamentals of powder mixing whilst providing a platform to network with others fixing similar problems”

Learning Objectives
On completion of the course delegates will have an understanding of:

- The relevance of powder flow to the mixing process
- The concepts of free-flowing, cohesive, segregating, structured and coated powder systems
- How to practically and theoretically assess the quality of a powder mixture
- How to specify equipment fit for purpose.
Programme

Tuesday 13 November 2018

09:00  Registration, coffee and welcome

09:30  Powder flow characteristics, free-flow, cohesion, segregation and structure

11:15  Coffee

11:30  The selection of a mixer

12:45  Lunch

13:45  Quality assurance of mixtures, scale of scrutiny, limiting mixture formulations

15:15  Tea

15:30  The testing of mixers, sampling, laboratory procedures

17:00  End of day one

19:00  Course dinner

Wednesday 14 November 2018

09:00  Coffee and welcome

09:05  Cohesive powder mixing

11:00  Coffee

11:15  The handling of powders

13:15  Lunch

14:15  Mixer scale-up

15:15  Tea

15:30  Group or individual powder mixing clinic

16:30  End of day two and course

Register by Friday 5 October 2018 to save £50 off the course fee

The full course details and online booking are now available from the course web page:
https://engineering.leeds.ac.uk/short-course/27

Other relevant courses

Crystallisation
Wednesday 23 – Friday 25 January 2019

Spray Drying and Atomisation of Formulations
April 2019 (3 day course)

Microencapsulation
2019 dates TBC (3 day course)
Further details

Venue
The venue for the course will be the Faculty of Engineering at The University of Leeds.

Course fees
The following course fees are VAT exempt and include the cost of tuition, course materials, lunches, light refreshments and the course dinner:

- On or before 5 October 2018: £850
- After 5 October 2018: £900

Accommodation
Delegates are responsible for their own accommodation, if required. A list of hotels close to the University will be sent out with the delegate joining instructions.

Course dinner
The course dinner will take place at a Leeds city centre restaurant on Tuesday evening and is included in the course fee. The dress code is smart casual.

How to book
Booking for this course should be completed through our secure online store using debit or credit card. To complete your booking please follow the instructions below:

Online booking
1. Log on to our online store at [https://store.leeds.ac.uk](https://store.leeds.ac.uk)
2. Select Conferences and Events in the left-hand navigation bar.
3. Select CPD Faculty of Engineering
4. Select the course or event for which you wish to register and click on ‘Book’
5. If you are a new user, please follow the instructions to register. If you already have an account log in as instructed.
6. Complete the application process as directed by the booking system.

You will receive an automatic confirmation email within 24 hours of your booking.

For online booking queries and for all other enquiries please contact:

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- @LeedsUniCPD

Terms and conditions for booking
Payment in full should accompany your booking. The course fee is exempt from VAT. Fees must be paid in full no later than 15 working days before the course 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 reserves the right to cancel or postpone the course, in which case fees will be refunded in full. In the event of cancellation, the University will not be held liable for delegates travel or accommodation expenses. Delegates will receive a full refund for cancellations made within 7 days of online booking, except where the booking has been made for an event commencing within the next 7 days. Where a delegate wishes to cancel a registration after this 7 day period, written cancellations received up to 15 working days before the course 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 course documents will be sent. Substitutions may be made at any time. If you are unable to complete your registration using the online booking system please contact the CPD, Conference & Events Unit to discuss alternative arrangements. The CPD Unit take your privacy seriously and we will only use your information to provide information on our CPD courses and relevant engineering events. We will not pass your details to any other organisations. If you have opted in to receive details of future CPD courses from us you can unsubscribe at any time by emailing us at cpd@engineering.leeds.ac.uk and your details will be removed from our database.