



## Particle Characterization Course

### Particle Size Analysis

February 7<sup>th</sup> '13

- Introduction
- Sample preparation
  - Wet & dry
- Data interpretation
  - Average values
  - Data conversion problems
  - Comparing different techniques
- Overview of sizing techniques
  - Counting & separation
  - Ensemble technique
- Practical aspects and new trends
  - Image analysis for size & shape
- General discussion & problem solving

### Surface Charge Characterization

February 19<sup>th</sup> '13

- Introduction
- theoretical background
- Sample preparation
  - is dilution the solution?
- Overview of surface charge techniques
  - Molecular level
  - Microscopic level
  - Macroscopic level
- Practical aspects
  - Environmental technology
  - Food technology & Consumer Goods
  - Concentrated slurries
- General discussion & problem solving

For all those that struggle with particle characterization in powders, dispersions and emulsions. Sampling and measurement of particle characteristics are a crucial problem in the development and control of many industrial products in the pharmaceutical, food, chemical, consumer goods and many other industries. This two day BePCIS course aims to help formulators and process responsables to solve their practical problems.

**For  
Who?**



# Belgian Particle, Colloid and Interface Society

## Particle Characterization Course

### Course & Problem Solving

The course is scheduled over two separate days; Although attending both days is preferred, it is possible to register for either of the days separately.

Each attendee is entitled to present a practical problem to one of the speakers who will act as free consultant during the afternoon session. If the attendee agrees, this problem can also be discussed in group; exposing problems to the diverse public will allow to share experience across domains.

### Venue

**Het Pand, Onderbergen 1, 9000 Gent**

<http://www.ugent.be/het-pand/en/accessibility>

**Particle Size:** Thursday Feb. 7<sup>th</sup> '13 - 9am to 6 pm

**Surface Charge:** Tuesday Feb. 19<sup>th</sup> '13 - 9am to 6 pm

**By Train:** From station Gent St-Pieters: **tram 1** (every 6 minutes) or **tram 24** (every 20 minutes). Exit at **Korenmarkt**

**By Car:** Follow parking route to **parking P7** Sint-Michiels. Walk 50 m to Het Pand.

### Registration

#### Registration Fee:

Before Jan 15<sup>th</sup>: One day: 250 €; Both days: 400 €

After Jan 15<sup>th</sup>: One day: 275 €; Both days: 450 €

Please confirm your attendance, indicating the date(s) you'll attend, by email to [saskia.vanderlooven@ugent.be](mailto:saskia.vanderlooven@ugent.be)

If interested, please include your problem statement in the email.

#### Transfer registration fee to:

**Bank account 979-9983500-71**

(IBAN: BE49 9799 9835 0071; SWIFT: ARSPBE22)

The registration fee includes all course material, lunch and refreshments.

### BePCIS & Our presenters

**BePCIS** is a non profit organization. Our aim is to form an association of scientists from academia and industry.  
[www.bepcis.be](http://www.bepcis.be)

#### Niko de jaeger

39 years experience in Colloids at Agfa-Gevaert. Dr HC Bradford University. President of the International Fine Particle Research Institute.

#### Robert Finsy

Professor emeritus of Physical and Colloid Chemistry at the Free University Brussels. Over 30 years experience in academic research.

#### Paul Van der Meeren

Professor in colloid science at the Ghent University. Head of the Doctoral School and of the Particle & Interfacial Technology Group.

#### Pieter Saveyn

PhD in Colloid Chemistry (Ghent University). Senior Scientist at the Procter & Gamble Co. Extensive experience in particle characterization.