



**BePCIS invites you to a course on**

## **Dispersions and Emulsions: Formation, Stabilisation and Characterisation**

- Date:** June 8<sup>th</sup> – 10<sup>th</sup>, 2009
- Time:** 8:30 am to 5:30 pm  
(10 am on Monday; 4:30 pm on Wednesday)
- Venue:** **Auberge du Pêcheur**  
Pontstraat 41  
9831 Sint-Martens-Latem  
<http://www.auberge-du-pecheur.be/>
- Residential Seminar:** We suggest for the attendants to stay overnight during the course. Please book your room directly at "**Auberge du Pêcheur**" (110€/night with breakfast, not included in the course fee). A limited number of room is available; we advise attendants to book their room before end March.
- Social Program:** A social program will be arranged on the second day of the course.
- Registration:** Please confirm your attendance to [Saskia.Vanderlooven@UGent.be](mailto:Saskia.Vanderlooven@UGent.be) and transfer the course fee of 800 Euro to our bank account [979-9983500-71](https://www.nbb.be/iban/BE49979998350071) (IBAN: BE49 9799 9835 0071; SWIFT: ARSPBE22). The registration fee includes all course material, lunches, refreshments and participation to the social program.
- Reductions:** The reduced fee for early registrations is set at 650 Euro (bank transfer prior to May 1<sup>st</sup>). There is a rebate for multiple registrations from the same company (contact [Saskia.Vanderlooven@UGent.be](mailto:Saskia.Vanderlooven@UGent.be)). We offer a reduced registration fee for PhD. Students. (200 Euro – limited slots available; contact [Saskia.Vanderlooven@UGent.be](mailto:Saskia.Vanderlooven@UGent.be)).

# Programme

## Dispersions and Emulsions: Formation, Stabilisation and Characterisation

### Day 1

#### **Monday, June 8<sup>th</sup>, 2009**

Theory of Colloid Stability.

Steric, Electrosteric Stabilisation and Flocculation by Polymers and Polyelectrolytes.

Electrokinetics and Zeta-potential.

Particle characterization equipment: principles

### Day 2

#### **Tuesday, June 9<sup>th</sup>, 2009**

Preparation of dispersions and emulsions:

Principles, technology, choice of dispersant, surfactant, emulsifier agent.

Characterisation: sampling, problems concerning polydispersity.

**particle sizing instrumentation with demonstrations.**

### Day 3

#### **Wednesday, June 10<sup>th</sup>, 2009**

Nanoparticles.

Concentrated Dispersions.

Gravitational effects

Rheology.

Acoustic Techniques.

Selected topics by invited speakers.

A more detailed course program will soon be available on our website  
[www.bepcis.be](http://www.bepcis.be)

# Location

## Dispersions and Emulsions: Formation, Stabilisation and Characterisation

### **Auberge du Pêcheur**

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9831 Sint-Martens-Latem

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