



BePCIS invites you to a course on

Dispersions and Emulsions: Formation, Stabilization and Characterization

- Date:** April 10th - 12th, 2018
- Time:** 8:30 am to 5:30 pm
(10 am on Tuesday; 4:30 pm on Thursday)
- Venue:** Het Pand, Priorzaal
Onderbergen 1
9000 Gent
<https://www.ugent.be/het-pand/nl/contact>
- Residential Seminar:** We strongly suggest to stay in Gent during the 3 days as this will facilitate networking with your fellow trainees and with the lecturers. Proposed hotels will soon be announced on our website www.bepcis.org.
- Social Program:** A social program will be arranged on the second day of the course (see program).
- Course Fee:** The course fee amounts to € 900; there is a reduced early bird fee of € 800 when registering prior to March 1. We offer a reduced registration fee for PhD students. (€ 350 – limited slots available; contact Saskia.Vanderlooven@UGent.be).
- Registration:** Please confirm your attendance to Saskia.Vanderlooven@UGent.be and transfer the course fee to our bank account [979-9983500-71](https://www.ugent.be/979-9983500-71) (IBAN: BE49 9799 9835 0071; SWIFT: ARSPBE22). The registration fee includes all course material, lunches, refreshments and participation to the social program.

Program

Dispersions and Emulsions: Formation, Stabilization and Characterization

Day 1

Tuesday, April 10th, 2018

Theory of Colloid Stability.

Steric, Electrosteric Stabilisation and Flocculation by Polymers and Polyelectrolytes.

Electrokinetics and Zeta-potential.

Applications - invited speakers

Day 2

Wednesday, April 11th, 2018

Birth and life of dispersions and emulsions.

Choice of dispersant, surfactant, emulsifier agent.

Technology of dispersion/emulsion preparation.

Lab demos and Particle sizing instrumentation

Social Program & Course dinner

Day 3

Thursday, April 12th, 2018

Concentrated Dispersions.

Surfactant self-association behaviour.

Rheology fundamentals.

Rheology of concentrated dispersions.

Gravitational effects.

Applications - invited speakers

A more detailed course program will soon be available on our website www.bepcis.org