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

(9:30 am on Tuesday; 4:00 pm on Thursday)

**Venue:** Het Pand, Priorzaal

 Onderbergen 1

 9000 Gent

 <https://www.ugent.be/het-pand/nl/contact>

**Residential Seminar:** We strongly suggest staying in Gent during the 3 days as this will facilitate networking with your fellow trainees and with the lecturers. See the attached document for proposed hotels

**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 (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 is also available on our website [www.bepcis.org](http://www.bepcis.org)