

Draft PROGRAM

Day 1 (Tuesday 10 April, 2018): stabilization and characterisation

| | |
|--------------|--|
| 09.30 | Coffee + registration |
| 10.00 | Intro: criteria for a good dispersion & adsorption phenomena David Fairhurst |
| 11.00 | Colloidal Stability: Collision and DLVO theory Paul Van der Meeren |
| 12.30 | Lunch |
| 14:00 | Polymers at Interfaces: Steric & Electrostatic Stabilisation and Flocculation David Fairhurst |
| 15:00 | Electrokinetics and Zeta-potential Paul Van der Meeren |
| 16.00 | Coffee |
| 16.30 | Application talk: Stabilisation of pharmaceutical nanosuspensions Lorenz de Neve |
| 17.15 | End |

Day 2 (Wednesday 11 April, 2018): preparation

- 08.30 Review of day 1
 Paul Van der Meeren
- 08.45 Preparation of dispersions and emulsions: physicochemical aspects
 lyophobic vs lyophilic colloids
 bottom-up vs top-down
 surfactant self assembly
 Paul Van der Meeren
- 10.00 Surfactants, Emulsifiers, Dispersants
 David Fairhurst
- 10.45 Coffee
- 11.15 Formulating Dispersions of Particulate Materials - The Basics
 David Fairhurst
- 12:15 Application talk: Emulsion technology
 Rob van Hooghten
- 13.00 Lunch**
- 14.00 Demonstration of instrumentation
- 16.30 **Social Activity**
- 19.30 **Course Dinner**

Day 3 (Thursday 12 April, 2018): concentrates & nanosuspensions

- 08.30 Review of day 2
Paul Van der Meeren
- 08.45 Introduction to Rheology and Dispersions
Erin Koos
- 09.45 Coffee
- 10.15 Rheology of Repulsive and Attractive colloidal systems
Erin Koos
- 11.30 Application Talk: Structuring of unsaturated triglycerides
Iris Tavernier
- 12.00 Application talk: Chocolate rheology
Davy Van de Walle
- 12.30 Lunch**
- 14:00 Gravitational effects
Paul Van der Meeren
- 14.40 Nanoparticles and Nanodispersions
David Fairhurst
- 15.20 Application talk: Colloidal aspects of printing ink
Xeikon
- 15.50 Conclusions
Paul Van der Meeren
- 16.00 End