

Surfactants and Polymers in Aqueous Solution

October 1-5, 2012 Hotel Sofitel Lisboa - Lisbon - Portugal

Lecturers: Prof. Krister Holmberg (KH) Prof. Björn Lindman (BL)

Monday

08.30-09.00	Registration
09.00-09.45	Introduction to the course
09.45-10.30	Introduction to surfactants, Ch 1, (KH)
10.30-11.00	Break with beverages and snacks
11.00-11.45	Ch 1 cont., (KH)
11.45-12.00	Short break
12.00-12.45	Surfactant micellization, Ch 2, (BL)
12.45-14.30	Lunch
14.30-15.15	Ch 2 cont., (BL)
15.30-16.15	Phase behaviour of concentrated surfactant systems, Ch 3, (BL)
16.15-16.45	Break with beverages and snacks
16.45-17.30	Ch 3 cont. (BL)
20.00-	Course Dinner - Assembly in the hotel reception

Tuesday

09.00-09.45	Surfactants and polymers containing oxyethylene groups, Ch 4, (BL)
09.45-10.00	Short break
10.00-10.45	Mixed micelles, Ch 5, (KH)
10.45-11.15	Break with beverages and snacks
11.15-12.00	Microemulsions, Ch 6, (BL)
12.00-12.15	Short break
12.15-13.00	Intermolecular interactions, Ch 7, (BL) Colloidal forces, Ch 8, (BL) Polymers in solution Ch 9, (BL)
13.00-14.30	Lunch
14.30-15.15	Ch 9 cont., (BL) Regular solution theory, Ch 10, (BL)
15.15-15.30	Short break
15.30-16.15	Novel surfactants, Ch 11, (KH)
16.15-16.45	Break with beverages and snacks
16.45-17.30	Ch 11 cont., (KH)
17.30-19.00	*Question hour (Group I) 1(2)

Wednesday

09.00-09.45	Surface active polymers, Ch 12, (KH)
09.45-10.00	Short break
10.00-10.45	Surfactant-polymer systems, Ch 13, (BL)
10.45-11.15	Break with beverages and snacks
11.15-12.00	Ch 13 cont., (BL)
12.00-12.15	Short break
12.15-13.00	Ch 13 cont., (BL) Surfactant-protein mixtures, Ch 14, (BL)

Afternoon free

Thursday

09.00-09.45	The rheology of polymer and surfactant solutions, Ch 15, (BL)
09.45-10.00	Short break
10.00-10.45	Surface tension and adsorption at the air-water interface, Ch 16, (KH)
10.45-11.15	Break with beverages and snacks
11.15-12.00	Adsorption of surfactants at solid surfaces, Ch 17, (KH)
12.00-12.15	Short break
12.15-13.00	Wetting and wetting agents, hydrophobization and hydrophobizing agents, Ch 18, (KH)
13.00-14.30	Lunch
14.30-15.15	Ch 18 cont., (KH)
15.15-15.30	Short break
15.30-16.15	Interaction of polymers with surfaces, Ch 19, (BL)
16.15-16.45	Break with beverages and snacks
16.45-17.30	Ch 19 cont., (BL)
17.30-19.00	*Question hour (Group II)
20.00-	Course Dinner - Assembly in the hotel reception

Friday

08.15-09.00	Foaming of surfactant solutions, Ch 20, (KH)
09.15-10.00	Emulsions and emulsifiers, Ch 21, (KH)
10.00-10.30	Break with beverages and snacks
10.30-11.15	Microemulsions for soil and oil removal, Ch 22, (KH)
11.15-11.30	Short break
11.30-12.15	Chemical reactions in micro-heterogeneous systems, Ch 23, (KH)

*The participants will be divided into two groups for the Question hour on Tuesday and Thursday