

# NANOEMULSIONS AND MICROEMULSIONS

November 14-15, 2012 Radisson Blu Hotel - Malmö - Sweden

**Lecturer: Prof. Tharwat Tadros**

## Wednesday, Nov. 14

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08:30 - 08:45	Registration, Radisson Blu Hotel
08:45 - 09:30	Nanoemulsions. Formation and Stabilization
09:30 - 10:30	Mechanism of Emulsification
10:30 - 11:00	Coffee/Tea
11:00 - 12:00	Methods of Emulsification
12:00 - 13:00	Lunch
13:00 - 14:00	Role of Surfactants
14:00 - 15:00	Preparation of Nanoemulsions
15:00 - 15:30	Coffee/Tea
15:30 - 16:15	Steric stabilization and the role of the adsorbed layer thickness
16:15 - 17:00	Ostwald Ripening
17:00 - 17:30	Practical examples of Nanoemulsions
19:00 -	Dinner at Radisson Blu Hotel

## Thursday, Nov. 15

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08:30 - 09:30	Microemulsions. General introduction
09:30 - 10:30	Mixed film and solubilization theories of Microemulsions
10:30 - 11:00	Coffee/Tea
11:00 - 12:00	Thermodynamic theories of Microemulsion formation and stability
12:00 - 13:00	Lunch
13:00 - 14:00	Characterization of Microemulsions using scattering techniques.
14:00 - 14:45	Characterization of Microemulsions using conductivity and MNR
14:45 - 15:00	Coffee/Tea
15:00 - 16:00	Formulation of Microemulsions

**There is a short break included in each lecture**