

**Program of the COST D43 Symposium (jointly with the EUFOAM Conference)
13-16 July, 2010 (Borovets, Bulgaria)**

	Tuesday 13th July	Wednesday 14th July	Thursday 15th July	Friday 16th July	Saturday 17th July
9:00-13:00 ч.	Meeting at airport and transport to site	Opening + Lectures	Lectures	Lectures EUFOAM	Organized excursions Visit of University
13:00-14:30 ч.		Lunch	Lunch	Lunch	
14:30-17:20 ч.		Lectures	Lectures	Lectures EUFOAM + Closing	
17:30-19:00 ч.	Registration	Poster session	Poster session	Transport to airport	
19:00	Get-together party	Free time	Official dinner		

Note: The white and yellow slots correspond to presentations at the D43 Symposium and Eufoam Conference, respectively.

Preliminary Program

Wednesday, 14 July 2010, D43 Symposium:

Hall A	
9:00 – 9:20	Opening: Peter Kralchevsky (20')
9:20 – 10:00	PL1: François Graner (40') "Foams as model systems: of complex fluids, of grain growth, of biological tissues"
10:00 – 10:30	IL1/D43-1: Regine von Klitzing (30') "Control of foam film and wetting film stability by addition of (poly)electrolytes: electrostatics vs. ionspecificity" (joint lecture for EUFOAM and COST D43)
10:30 – 11:00	Coffee Break (30')
Hall B – Chair: Björn Lindman	
11:00 – 11:30	D43-2: Orlin Velev (30') "Programmed assembly and manipulation of complex particles by electric fields"
11:30 – 12:00	D43-3: Miklós Zrínyi (30') "Colloidal particles that make smart polymer composites moving"
12:00 – 12:30	D43-4: Peter Kralchevsky (30') "Interactions and self-assembly of particles at liquid interfaces – new developments"
12:30 – 13:00	D43-5: Georgi Yordanov (30') "Nanoprecipitation approach in the preparation of poly(alkylcyanoacrylate) colloidal nanospheres"

Lunch

Hall B – Chair: Regine von Klitzing	
14:30 – 15:00	D43-6: Björn Lindman (30') "Polysaccharide-surfactant interactions at interfaces and in the bulk"
15:00 – 15:25	D43-7: Maria Miguel (25') "Mixtures of DNA with cationic surfactants: gels, associative phase separation and gel nanoparticles"
15:25 – 15:50	D43-8: Stephanie Limage (25') "Rheology of surfactant-particle mixtures"
15:50 – 16:20	Coffee Break (30')
Hall B – Chair: Maria Miguel	
16:20 – 16:50	D43-9: Francesca Ravera (30') "Rheological and structural properties of mixed layers of silica nanoparticles plus CTAB at water/air interface"
16:50 – 17:20	D43-10: Krassimir Danov (30') "Structural forces in liquid films due to entrapped colloidal particles or surfactant micelles: Theory vs. experiment"

17:30 – 19:00 Poster session

Thursday 15 July 2010, D43 Symposium:

Hall A	
9:00 – 9:40	PL2: Orlin Velev (40') "Foam Superstabilization and Functionalization by Particles with Engineered Structure and Properties"
9:40 – 10:10	IL6: Tommy Horozov (30') "Solid Particles in Thin Liquid Films"
10:10 – 10:40	IL7: Simeon Stoyanov (30') "Foams stabilised by shape anisotropic particles"
10:40 – 11:10	Coffee Break (30')
Hall B – Chair: Miklós Zrínyi	
11:10 – 11:40	D43-11: Thomas Zemb (30') "Ionic physisorption on bubbles induced by pulsed ultra-sound"
11:40 – 12:10	D43-12: Elena Mileva (30') "Impact of adsorption layers on foam film drainage kinetics"
12:10 – 12:35	D43-13: Theodor Gurkov (25') "Statistics of rupture in relation to the stability of thin liquid films with different size"
12:35 – 13:00	D43-14: Nenad Mucic (25') "Adsorption of alkyl trimethyl ammonium bromides at the water/air and water/hexane interfaces"

Lunch

Hall B – Chair: Thomas Zemb	
14:30 – 15:00	D43-15: Monzer Fanun (30') "Properties of microemulsions with mixed nonionic surfactants and citrus oil"
15:00 – 15:25	D43-16: Vassiliki Papadimitriou (25') "Olive oil-based w/o nano-emulsions: a novel biomimetic system for studying oxidative enzymatic reactions"
15:25 – 15:50	D43-17: Murielle Schmitt (25') "From polymorphous to spherical dispersed phase transition in water/oil emulsions"
15:50 – 16:20	Coffee Break (30')
Hall B – Chair: Orlin Velev	
16:20 – 16:50	D43-18: Erik Reimhult (30') "Assembly of hard sphere and hard core-soft shell nanoparticles at liquid-liquid interfaces for patterning and functional materials"
16:50 – 17:20	D43-19: Jaroslav Katrik (30') "Interaction of lectin-modified surface with glycoproteins on surface plasmon resonance biochip"
17:20 – 17:30	Closing of the D43 Symposium: Peter Kralchevsky (10')

17:30 – 19:00 Poster session

Friday 16 July 2010, EUFOAM Conference:

9:00 – 9:40	PL3 – A. Lips (40') "Successes and future challenges for foam science"	
9:40 – 10:10	IL11 – M. Edirisinghe (30') "Bubbling, Foaming and Capsule Preparation"	
10:10 – 10:40	IL12 – A. Colin (30') "Flow of concentrated Emulsions"	
10:40 – 11:10	Coffee Break (30')	
11:10 – 11:40	IL13 – R. Krastev (30') "Gas Permeability of Single Foam Films"	
11:40 – 12:00	Section E (80')	O22: Delbos "Forced foam flow through a pore"
12:00 – 12:20		O23: Goyon "Study of shear induced drainage of foamy emulsions through MRI"
12:20 – 12:40		O24: Varade "Superstable Foams made from Catanionic Surfactant Mixtures"
12:40 – 13:00		O25: Sharp "Non-aqueous Foams in Lubricating Oil Systems"

Lunch

	Section G (80')	Sections D+E (80')
14:30 – 14:50	O26: Garcia-Moreno "X-ray Tomography of Aqueous Foams"	O30: Garrett "The Antifoam Behaviour of Saturated Fatty-Acid Triglyceride Mixtures in Aqueous Surfactant Solutions"
14:50 – 15:10	O27: Rossen "Determining Trapped Gas in Foam in Porous Media From CT Images"	O31: Arnaudov "Highly Efficient Interface-Assisted Colloid Fabrication"
15:10 – 15:30	O28: Guillermic "New Experimental Results on Foam Acoustics"	O32: Stubenrauch "Mixtures of n-Dodecyl- β -D-maltoside and Hexaoxyethylene Dodecyl Ether - Surface Properties, Foam Films, and Foams"
15:30 – 15:50	O29: Leroy "Probing foams with ultrasound"	O33: Gambaryan-Roisman "Dynamics of Free Liquid Films during Formation of Polymer Foams"
15:50 – 16:20	Coffee Break (30')	
16:20 – 16:50	IL14 – L. K. Shrestha (30') "Highly Stable Nonaqueous Foams in Glycerol-based Nonionic Surfactant/Oil Systems"	
16:50 – 17:10	Closing and presenting the location of Eufoam 2012 – N. Denkov, ... (20')	

Poster Presentations at the COST-D43-Symposium in Borovets
(Incomplete list)

No	Presented by:	Title:
P1	J. Chen, R. Vogel, S. Werner, G. Heinrich, D. Clause, <u>V. Dutschk</u>	Influence of the particle type on the rheological behaviour of Pickering emulsions
P2	J. Chen, R. Vogel, G. Petzold, D. Clause, <u>V. Dutschk</u>	Rheological behaviour of aqueous suspo-emulsions stabilized by alumina nanoparticles and emulsifier
P3	<u>Sergio Gómez-Graña</u> , A. Guerrero-Martínez, Luis M. Liz-Marzán	Effect of novel gemini surfactants on the self-assembly of gold nanorods into standing superlattices
P4	<u>Nina V. Kaneva</u> , Ceco D. Dushkin	Photocatalytic activity of nanostructured thin films and powders of ZnO mixed with zinc ferrite(III)
P5	<u>L. Krasteva</u> , K. Papazova, C. Dushkin, D. Dimitrov	Ga- and Cu-doped ZnO thin films synthesised by sol-gel process for sensor applications
P6	<u>Bozhidar I. Stefanov</u> , Ceco D. Dushkin	Novel integrated reactor for tests of the photocatalytic activity of immobilized thin films of TiO ₂ and nickel modified TiO ₂ under UV and visible light
P7	<u>Z. Bedzhova</u> , G. Yordanov, C. Dushkin	Colloidal poly(butylcyanoacrylate) particles prepared by polymerization and nanoprecipitation: a comparative study of methods
P8	<u>P. Vasileva</u> , B. Donkova, C. Dushkin	Synthesis of starch-stabilized silver nanoparticles and their application as a LSPR-based hydrogen peroxide sensor
P9	<u>M. Żubrowska</u> , K. Wojciechowski, W. Wróblewski, R. Krastev	Effect of Type of Anion on the Thickness of Foam and Emulsion films Stabilized with CTAB
P10	<u>A. Sharipova</u> , S. Aidarova, N. Mucic, A. Javadi, V. Dutschk, R. Miller	Dynamic and equilibrium interfacial tensions of alkyl sulfates of different alkyl chain lengths at the water/oil interface