

Training School

"Physics of droplets"

COST Action P21

12-13 July 2010, Borovets, Bulgaria
arrival and get-together: 11th July 2010



Organized by
Department of Chemical Engineering
Faculty of Chemistry, Sofia University

www.lcpe.uni-sofia.bg



LOCAL ORGANIZING COMMITTEE

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Registration, accommodation and tours

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Contact person: Galia Vladimirova

VENUE: Hotel Samokov / www.samokov.com

AGENDA

Student Training School

"Physics of droplets: Basic and Advanced topics"

	Sunday 11th July	Monday 12th July	Tuesday 13th July	Wednesday 14th July
9:00 - 13:05	Meeting at airport and transport to site	5 Lectures	5 Lectures	Eufoam, P21 WG/MC meetings or departure
13:10 - 14:30		Lunch	Lunch	
14:30 - 16:00		2 Lectures	2 Lectures	
16:00 - 16:30		Break	Break	
16:30 - 18:30	Registration	3 Experimental demonstrations	2 Experimental demonstrations	
18:30 - 19:00			Closing	
19:00	Opening dinner	Free time	Free time or departure	

List of Lecturers

International:

G. Brenn (Univ. Graz)
M. Dennin (UC Irvine, USA)
S. Guido (Univ. Napoli)
T. Kreutzer (TU Delft)
N. Shirtcliffe (Nottingham Trent Univ.)
S. Stoyanov (Unilever)
H.T.M. Van den Ende (Univ. Twente)
N. Vandewalle (Univ. Liège)

Sofia University:

K. Danov
N. Denkov
T. Gurkov
P. Kralchevsky
K. Marinova
S. Tcholakova

List of lecture topics:

Electrowetting; Superhydrophobic surfaces; Digital microfluidics; Composite droplets and antibubbles; Drop collisions, oscillations, and breakup; Drop breakup in laminar flow; Emulsification; Capillarity and film stability; Surfactant adsorption; Surface and foam rheology; Food emulsions and foams; Experimental methods for interfaces and thin films.

Experimental demonstrations and practice:

Contact angles and spreading; Interfacial tension and rheology; Optical methods for liquid films; Emulsification; Foam drainage and stability