

International School of Liquid Crystals
13th Workshop

Colloids, Interfaces and Liquid Crystals

E. Majorana Centre for Scientific Culture, Erice
19-25 July 2006



Directors of the Workshop:
I. Mušević, P. Pasini, C. Zannoni, S. Žumer

Sponsors: ALCANDO project (EU Commission), Italian Liquid Crystal Society, INSTM

19 - 25 July - 2006 - Erice ITALY

International School of Liquid Crystals
13th Workshop

Colloids, Interfaces and Liquid Crystals

Directors:
I. Muševič, P. Pasini, C. Zannoni, S. Žumer

PROGRAMME

July 19

afternoon: Arrival

21.15: Welcome Reception at the Marsala Lecture Hall (S. Rocco)

July 20

9.00 – 9.15		Welcome
9.15 – 10.15	H. Lekkerkerker	Life at Ultra low Interfacial Tension: The Interface of Demixed Colloid-Polymer Mixtures and the Isotropic Nematic Interface in Suspensions of Colloidal Platelets
10.15 – 11.00	Y. Reznikov	Diluted colloids of nano-ferroelectric particles in liquid crystals
11.00 – 11.30		Coffee break
11.45 – 12.30	M.P. Allen	Simulation of inhomogeneous liquid crystals
lunch break		
15.45 – 16.30	P. Ziherl	Colloids on smectic films.
16.30 – 17.15	R. Stannarius	2D Dispersions - liquid inclusions in smectic free standing films
17.15 – 17.45		Coffee break
17.45 – 19.15		Poster session

July 21

9.00 – 10.00	D. Weitz	Defect structure in thin shells of liquid crystal
10.00 – 10.45	O. Lavrentovich	Elasticity- and anchoring-mediated interactions of particles and topological defects at the surface and in the bulk of liquid crystals.
10.45 – 11.15		Coffee Break
11.15 – 12.00	J-C. Loudet	Wetting of micrometer-sized ellipsoids
12.00 – 12.45	H. Stark	Wetting Phenomena in Liquid Crystal Colloids
lunch break		
15.45 – 16.30	P. Lettinga	Exploring the phase behavior of rod dispersions using external fields
16.30 – 17.00	F. Mantegazza	Anomalous orientation of charged rod-like colloidal particles in external electric fields.
17.00 – 17.30		Coffee break
17.30 – 18.00	R. Berardi	A Computer Simulation Study of the Formation of Liquid Crystal Nanodroplets from a Homogeneous Solution
18.00 – 18.30	S. Varga	Phase behaviour of nail-shaped hard particle fluids
18.30 – 19.00	G. Cinacchi	Phase diagrams of binary mixtures of thin and thick hard spherocylinders

July 22

9.00 – 19.00	Excursion to Selinunte and Mozia	
--------------	---	--

July 23

9.00 – 10.00	H. Yokoyama	
10.00 – 10.45	M. Telo da Gama	Surface effects in nematics: interfaces, decorated surfaces and colloids
10.45 – 11.15		Coffee break
11.15 – 12.00	M. Skarabot	Two-dimensional Nematic Colloidal Crystals Self-assembled by Topological Defects
12.00 – 12.45	S. Zumer	Simulations of colloidal lattices confined to thin nematic layers
lunch break		
15.45 – 16.30	U. Zammit	Specific heat spectroscopy in liquid crystal phase transitions with disorder
16.30 – 17.00	L.R. Evangelista	Ionic contribution to the electric current in an electrolytic cell submitted to an external voltage.
17.15 – 17.45		Coffee break
17.45 – 18.15	M. Ravnik	Self assembled colloidal structures in nematics confined to a capillary
18.15 – 18.45	Y. Yang	Optical trapping of colloids in liquid crystals
20.30	Social Dinner	

July 24

9.00 – 9.45	E. Terentjev	Defects and textures in thin films of liquid crystalline polymers
9.45 – 10.15	V. S.S. Sastry	Isotropic-nematic transition in liquid-crystalline elastomers : A non-Boltzmann Monte Carlo study
10.15 – 10.45	G. Raos	Computer experiments on the non-linear viscoelasticity of filled elastomers
10.45 – 11.15		Coffee break
11.15 – 11.45	N. Silvestre	Elliptic inclusions in smectic -C films
11.45 – 12.15	S.V. Shiyanovskii	The particle interaction in liquid crystals: beyond the permanent multipole expansion
12.15 – 12.45	C. Anquetil	Anchoring of liquid crystals on self assembled monolayers
lunch break		
15.45 – 16.10	F. Tombolato	Molecular model for the chiral nematic phase of dispersions of M13 virus.
16.10 – 16.35	A. Arcioni	Electron Spin Resonance studies of order and dynamics in complex liquid crystal systems
16.35 – 17.00		

Coffee Break
