

Sunday, February 27

Arrival and Registration
19.30: Welcome Reception at the Sexten Haus

Monday, February 28

8.30 – 8.40		Welcome
Session 1		Chairman D. Finotello
8.40 – 9.30	PL1 H.W. Spiess	<i>Self Assembly of Nanostructured Systems as Revealed by Advanced NMR</i>
9.30 – 9.50	O1 B. Zalar	<i>Deuteron NMR Study of The Nematic-Paranematic Transition in Liquid Single Crystal Elastomers</i>
9.50 – 10.10	O2 C. Cruz	<i>Deuterium NMR Study of Local Molecular Reorientations in The Biaxial Nematic Phase of an Organosiloxane Tetrapode</i>
10.10 – 10.30	O3 M. Ghelmez	<i>Laser Studies Of Some Biological Membrane Components In the Liquid Crystal State</i>
10.30 – 11.00		Coffee Break
Session 2		Chairman: C. Versace
11.00 – 11.20	O4 S.H. Lee	<i>Liquid Crystal Display Modes for High Image Quality: IPS vs. FFS</i>
11.20 – 11.40	O6 M. Tomilin	<i>The New Principle of Laser Projection Display Based on LC SLM</i>
11.40 – 12.00	O18 L. Andreozzi	<i>Heterogeneities in the Dynamics of a Molecular Tracer in Nematic Azobenzene Polymers</i>
12.00 – 12.20	P15 M. Buscaglia	<i>The Origin of Memory in Nematics with Quenched Disorder</i>
		Break
Session 3		Chairman: Anca Alexe-Ionescu
17.00 – 17.30	I2 O. Francescangeli	<i>A Novel Nematic Mesophase with Ferroelectric Properties in Banana-Shaped Mesogens</i>
17.30 – 17.50	O7 J. Connolly	<i>Liquid Crystalline Phases in Low Concentration Dispersions of Clays in Non-Mesogenic Solvents</i>
17.50 – 18.10	O8 D. Guillon	<i>Self-assembling Properties of Janus-diblock Fluorinated Supermolecules</i>
18.10 – 18.30	O9 C.F.J. Faul	<i>Liquid-Crystalline Materials via the Ionic Self-Assembly Route</i>
18.30 – 18.50	O10 O. Lafuente	<i>Thermoreversible Cholesteric Gels of Chiral Gelators and 4-cyano-4'-(pentyl)biphenyl</i>
21.00 – 22.45		Poster Session : P1 - P44

Tuesday, March 1

Session 4		Chairman: A. Petrov
8.30 – 9.00	I3 N.J. Motttram	<i>Seeding of the Nematic-Isotropic Phase Transition by an Electric Field in Confined Geometries</i>
9.00 – 9.20	O11 A. Majumdar	<i>Bistability in Polyhedral Geometries</i>
9.20 – 9.40	O12 F. Bisi	<i>Order Reconstruction and Molecular Reorientation In Freedericks Transitions</i>
9.40 – 10.00	O13 H. Ayeb	<i>Effect of Surface Treatment on the Electric Field Induced Biaxial Order Reconstruction in Nematic Liquid Crystal</i>
10.00 – 10.20	O14 S. Joly	<i>Zenithal and Azimuthal Gliding of the Easy Axis Under Strong Torques</i>
10.20 – 10.50		Coffee Break
Session 5		Chairman: D. Pucci
10.50 – 11.20	I4 J.L. Serrano	<i>New H-bonded LC based on banana-shape structures</i>
11.20 – 11.40	O15 L. Cseh	<i>The Synthesis and Characterisation of Nematic Gold Nanoparticles</i>
11.40 – 12.00	O16 D. Janietz	<i>Hydrogen Bonded Threeblock Mesogens</i>
12.00 – 12.20	O17 R. Martin-Rapun	<i>Thermotropic Liquid Crystal Fluorinated Dendrimers</i>
12.20 – 12.40	O5 L. Komitov	<i>Is There any Future for Applications of Chiral Liquid Crystal Phases in Liquid Crystal Displays and Devices ?</i>
Break		
Session 6		Chairman: T. Bellini
17.0 – 17.30	I5 L. Evangelista	<i>Oriental states and Elastic Description of a Liquid-Crystalline Membrane</i>
17.30 – 17.50	O19 M. Simões	<i>A Geometric Approach to the Liquid Crystalline Order Parameter</i>
17.50 – 18.10	O20 F. Mercuri	<i>Calorimetric Study of the Nematic –Isotropic Transition in a 8CB Aerosil Mixture Under an Applied Electric Field</i>
18.10 – 18.30	O21 G. Cordoyannis	<i>Investigation of the Orientational Order near the SmA-SmC* Phase Transition of Liquid Crystal Compounds Confined by Aerosil Networks</i>
18.30 – 18.50	O22 S. Kralj	<i>Imry-Ma Pattern of the Perturbed Smectic A Phase</i>
21.00 – 22.45		Walk in the snow to Fiscalina Valley

Wednesday, March 2

Session 7		Chairman: W. Otowski
8.40 – 9.30	PL2 O. Lavrentovich	<i>Lyotropic Chromonic Liquid Crystals: Self-Assembly and Emerging Optical and Biosensing Applications</i>
9.30 – 9.50	O23 M. Škarabot	<i>Laser Trapping of Small Colloidal Particles in a Nematic LC: Clouds and Ghosts</i>
9.50 – 10.10	O24 N.W. Roberts	<i>The Vertebrate Visual System - Liquid Crystal Optics in Theory and Experiment</i>
10.10 – 10.30	O25 P.V. Dolganov	<i>Director Configuration and Formation of Superstructures from Inclusions in Smectic Membranes</i>
10.30 – 11.00		Coffee Break
Session 8		Chairman: A. d'Alessandro
11.00 – 11.30	I6 H.F. Gleeson	<i>Laser Manipulation in Liquid Crystal Systems</i>
11.30 – 11.50	O26 A. Fratolocchi	<i>Light Localization and Nonlinear Steering in Liquid Crystal Arrays</i>
11.50 – 12.10	O27 M.A. Geday	<i>Relaxation of Surface Stabilised Antiferroelectric Liquid Crystals at Video Frequency</i>
12.10 – 12.30	O28 S.A. Jewell	<i>Optical Characterization of the Reorientation Process in a Dual Frequency HAN Cell</i>
Break		
Session 9		Chairman: S. Shiyonovskii
17.00 – 17.30	I7 M. Conradi	<i>Free Standing Smectic Films: Phase Sequences and 2D Colloidal Dispersions</i>
17.30 – 18.00	I8 R. Stannarius	<i>Tunes of A Liquid Chord: Mechanical Properties of Freely Suspended LC Filaments</i>
18.00 – 18.20	O29 M. Nobili	<i>Static Friction, Stick-Slip and Creep Dynamics of a Nematic Disclination on a Rough Surface</i>
18.20 – 18.40	O30 I.I. Smalyukh	<i>Colloidal Interactions and Defect Line Tension in Liquid Crystals Studied Using Laser Tweezers and Fluorescence Confocal Polarizing Microscopy</i>
18.40 – 19.00	O31 E. Lacaze	<i>Topological Evolution of Defects with Temperature and Anchoring Breaking in Smectic Thin Films</i>
Session 10		
21.00 – 21.30	I9 T.J. Sluckin	<i>Episodes from the History of Liquid Crystals</i>
21.30 – 22.45		Poster Session : P45 - P88

Thursday, March 3

Session 11

Chairman: S. Zumer

- 8.40 – 9.30 **PL3** *Computer Simulations of Bulk and Nanoconfined Liquid Crystals*
C. Zannoni
- 9.30 – 9.50 **O32 M.A. Bates** *Inducing the Biaxial Nematic Phase in Rod-Disc Dimer Systems*
- 9.50 – 10.10 **O33** *Theory of the Intermediate Smectic Phases and their Helical Rotation*
A.V. Emelyanenko
- 10.10 – 10.30 **O34** *Molecular Theory of Dendritic Liquid Crystals: Self-Organization and Phase Transitions*
A.G. Vanakaras

10.30 – 11.00

Coffee Break

Session 12

Chairman: D. Guillon

- 11.00 – 11.30 **I10** *Biaxial Thermotropic Nematic Liquid Crystals*
E. Samulski
- 11.30 – 11.50 **O35** *Dynamics In Samples Showing The SmCP_A/B₇ Transition*
H. Kresse
- 11.50 – 12.10 **O36** *Banana-Shaped Mesogens: Field-Induced Switching of Suprastructural Chirality*
R.A. Reddy
- 12.10 – 12.30 **O37** *¹H NMR Relaxation Study of Molecular Dynamics in the Mesophases of PAMAM Liquid Crystalline Dendrimers of Generation 1 and 3*
A. Van-Quynh

Break

17.00 – 18.30

Poster Session : P89 – P126

20.00 – 22.00

Social Dinner at Refuge Monte Elmo

Friday, March 4

Session 13

Chairman: G. Abbate

8.30 – 9.00	I11 R. Sambles	<i>Microwaves, Metal Slits and Liquid Crystals</i>
9.00 – 9.30	I12 P. Rudquist	<i>On Surface-Stabilized OAFLCs and V-FLCs</i>
9.30 – 9.50	O38 M.L. Ermold	<i>Virtual Spherical Mirrors Fabricated in Polymer Dispersed Liquid Crystal Films</i>
9.50 – 10.10	O39 S. Residori	<i>Optical Solitons in Liquid-Crystal-Light-Valve Experiments</i>

10.10 – 10.30

Coffee Break

Session 14

Chairman: F. Simoni

10.30 – 11.00	I13 G. Strangi	<i>DFB Micro-Laser Array: Helixed Liquid Crystals Embedded in Holographically Sculptured Polymeric Microcavities</i>
11.00 – 11.30	I14 L. Blinov	<i>A Nematic Liquid Crystal as an Amplifying Replica of a Holographic Polarization Grating</i>
11.30 – 11.50	O40 M. Čopič	<i>Electro-Optical Properties of In-Plane Switched Polymer Dispersed Liquid Crystals</i>
11.50 – 12.10	O41 M. Kaczmarek	<i>The Role of Photoconductivity in Two-Beam Coupling in Liquid Crystal-Polymer Structures</i>
12.10 – 12.30	O42 E. Ouskova	<i>Evolution of Light-Induced Anchoring in Dye-Doped Nematics: Model and Experiment</i>

12.30 – 12.40

Closing of ECLC 2005