

7th Italian-Japanese Workshop on Liquid Crystals and

11th National SICL Meeting

Scientific Program

Monday, July 7		
	<i>SICL-JLCS</i>	
8.30-9.30	<i>Registration and welcome address at the City Hall</i>	
	Session I at Classense Institute	
9.40-10.05	Tommaso Bellini	<i>Origin and propagation of chirality in DNA liquid crystals</i>
10.05-10.30	Masanori Ozaki	<i>Non-peripheral substituted phthalocyanine with high carrier mobility and its solar cell application</i>
10.30-10.55	Giuseppe Chidichimo	<i>Advanced multifunctional materials based on liquid crystal thienoviologens</i>
10.55-11.15	<i>Coffee break</i>	
	Session II	
11.15-11.40	Jun-ichi Hanna	<i>Highly ordered smectic liquid crystals for organic field effect transistors</i>
11.40-12.05	Valentina Domenici	<i>New composites based on liquid crystalline elastomers for micro-actuators and energy storage systems</i>
12.05-12.30	Hirotsugu Kikuchi	<i>Structural analyses of liquid crystal blue phases</i>
12.30-12.55	Roberto Caputo	<i>Active plasmonics: systems design and characterization</i>
13.00-15.00	<i>Lunch</i>	
	Session III	
15.00-15.25	Isa Nishiyama	<i>Induction of birefringence in optically isotropic liquid phase of chiral mesogenic compound</i>
15.25-15.50	Claudio Zannoni	<i>Multiple scale modelling and simulations of liquid crystals</i>
15.50-16.15	Yuka Tabe	<i>Heat-driven unidirectional rotation of cholesteric LC droplets</i>
16.15-16.40	Pierangelo Metrangolo	<i>Halogen-bonded liquid crystals, gels, and polymers</i>
16.40-17.00	<i>Coffee break</i>	
	Session IV	
17.00-17.25	Jun Yamamoto	<i>Second order phase transition in hyper-swollen lyotropic liquid crystals</i>
17.25-17.50	Ugo Zammit	<i>Photopyroelectric calorimetry for the thermal and optical evaluations of light induced transitions in liquid crystals</i>
17.50-18.15	Takeo Sasaki	<i>Dynamic amplification of optical signals in photorefractive ferroelectric liquid crystals</i>

Tuesday, July 8		
	<i>SICL-JLCS</i>	
	Session V	
8.45-9.10	Junji Watanabe	<i>High-HTP macrocyclized phenyl cinnamate dimer utilizable as photo-responsive chiral dopant for nematic liquid crystals</i>
9.10-9.35	Alberta Ferrarini	<i>Molecular geometry, elastic constants and twist-bend nematic phase</i>
9.55-10.0	Hideo Takezoe	<i>Structure-sensitive bend elastic constants between pN and sub-nN</i>
10.00-10.25	Nicolas Godbert	<i>LCDiXRay: A user-friendly program for the indexation of columnar liquid crystals</i> <i>PXRD Patterns</i>
10.25-10.50	Nobuhiro Kawatsuki	<i>Comparison of molecular orientation structure of photoalignable liquid crystalline polymer films at the near-surface and in bulk</i>
10.50-11.10	<i>Coffee break</i>	
	Session VI	
11.10-11.35	Rita Asquini	<i>Liquid crystal channel waveguides for optofluidic applications</i>
11.35-12.00	Shoichi Kutsumizu	<i>Phase structure and transition mechanism in azobenzene-containing bicontinuous cubic liquid crystalline systems.</i>
12.00-12.25	Francesco Simoni	<i>Electric field tuning of optoelastic trapping in nematic liquid crystals</i>
12.25-12.50	Takahiro Seki	<i>Photoalignment of liquid crystalline polymers commanded from the free surface</i>
12.50-13.15	Giuseppe Strangi	<i>Lasing in liquid crystals driven to chaos: plasmon-exciton coupling enhances scattering and gain</i>
13.15-15.00	<i>Lunch</i>	
15.00-19.00	Social Program	
	Ravenna city tour and visit to mosaics (to be defined)	
20.30	Social dinner	

Wednesday, July 9		
	<i>SICL-JLCS</i>	
	Session VII	
9.00-9.25	Ikeda Tomiki	<i>Photomobile Polymer Materials: Structures and Functions</i>
9.25-9.50	Sefano Turzi	<i>Orientational order parameters for low-symmetry liquid crystals</i>
9.50-11.00	Joint Poster Session	
11.00-11.25	<i>Coffee break</i>	
	<i>SICL</i>	
	Session I	
11.25-11.50	Romeo Beccherelli	<i>Liquid crystal tuneable plasmonic devices</i>
11.50-12.15	Giovanni Gilardi	<i>Lightwave circuits based on organic materials for optical signal filtering and switching in WDM communication systems</i>
12.15-12.40	Maria Enrica Di Pietro	<i>NMR in different partially ordered media: a route for structure, order and conformation of small flexible organic compounds</i>
12.40-13.00	Francesca Serra	<i>Inducing topological defects by curvature and edges for tunable colloidal assembly in nematic liquid crystals</i>
13.00-15.00	<i>Lunch</i>	
	Session II	
15.00-15.25	Luiz R. Evangelista	<i>Electrical response of a confined isotropic liquid sample: biological systems and liquid crystals applications</i>
15.25-15.50	Hideo Takezoe	<i>Azo-dendrimer for manipulating microparticles</i>
15.50-16.10	Otello Maria Roscioni	<i>Molecular organisation in nematic liquid crystals close to a solid surface</i>
16.10-16.30	<i>Coffee break</i>	
16.30-18.30	SICL Assembly	

Thursday, July 10		
	<i>SICL</i>	
	Session III	
9.00-9.20	Maria Penelope De Santo	<i>Visual micro-thermometers for nanoparticles photo-thermal conversion</i>
9.20-9.40	Alfredo Mazzulla	<i>Optical trapping of chiral microresonator</i>
9.40-10.00	Antigone Marino	<i>Ellipsometric study of nematic alignment on silicon oxides for displays</i>
10.00-10.20	Giovanna Palermo	<i>Plasmonic nano-heaters confined in self-organized materials</i>
	<i>Coffee break</i>	
10.20-11.00	Federica Ciuchi	<i>Alignment of chromonic molecules</i>
11.00-11.20	Giuseppe Pucci	<i>Order reconstruction in turbulent nematics</i>
11.20-11.40	Mario Cifelli	<i>Translational self-diffusion in liquid crystals by means of NMR diffusometry: Recent advancements</i>
11.40-12.20	<i>Final remarks and conclusions</i>	
	<i>Lunch</i>	