

**International School of Liquid Crystals
7th Workshop**

Italian – Japanese Workshop on Liquid Crystals

Erice (TP), Centro E. Majorana, July 7 - 10, 2002

Directors of the Course: A. Fukuda, F. Simoni, P. Pasini, C. Zannoni

July 7

Afternoon: Arrival

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

July 8

9.00 – 9.15

Welcome

9.15 – 9.40

F.Simoni

Overview on LC Research in Italy

9.40 – 10.05

A.Fukuda

Fluctuation forces stabilizing two kinds of staircases in chiral tilted fluid smectics frustrated between ferro- and antiferro-electricity

10.05 – 10.30

T.Ikeda

Bending and unbending behavior of liquid-crystalline networks

10.30 – 10.55

C.Zannoni

Atomistic and Molecular Simulations of Liquid Crystals

10.55 – 11.30

Coffee Break

11.30 – 11.55

T.Uchida

Evaluation of surface order of liquid crystal by using nematic-isotropic droplet.

11.55 – 12.20

S.Faetti

Experimental measurements on liquid crystal interfaces.

12.20 – 12.45

H.Takezoe

Helical Liquid Crystals as Photonic Crystals

Lunch Break

15.00 – 15.25

A.Sugimura

Field-induced director dynamics of 4-octyl-4' cyanobiphenyl: A deuterium NMR spectroscopy study

15.25 – 15.50

C.A.Veracini

Orientalional Order and Dynamics of Monomeric and Polymeric Chiral Smectics

15.50 – 16.15

H.Nohira

Synthesis and Helical Twisting Power of Chiral Dopants for Nematic Liquid Crystal Mixtures

16.15 – 16.40
16.40 – 17.15
17.15 – 19.00

S.Naemura

Behavior of Charge Carriers in Nematic Liquid-Crystal Cells

Coffee Break

POSTERS

July 9

9.00 – 19.00

TOURISTIC TOUR

July 10

9.00 – 9.25

R.Bartolino

LICRIL, a LC regional laboratory on interactions of LC with surfaces and optical fields

9.25 – 9.50

E.Virga

Macroscopic signs of microscopic symmetries:
the case of nematic biaxial molecules

9.50 – 10.15

H.Yokoyama

Possible Ferroelectric Nematic in Two Dimension

10.15 – 10.40

N.Koide

Ionic-Conductive Behavior of Liquid Crystalline Materials with Alkali Salts

Coffee Break

10.40 – 11.15

G.P.Spada

Guanosine derivatives: self-assembly and lyotropic liquid crystal formation

11.15 – 11.40

M.Yamashita

Phase Transition in Maier-Saupe Model Exposed to an External Field

11.40 – 12.05

E.Dalcanale

Highly ordered LB and LS films of mesogenic porphyrin octaesters

12.05 – 12.30

Lunch Break

15.00 – 15.25

M. Ozaki

Photonic Effects in Liquid Crystals with Nano-scale Periodicity

15.25 – 15.50

A.Strigazzi

Periodic instability in antiferroelectric liquid crystals with strong anchoring

15.50 – 16.15

J.Watanabe

Well-defined phase sequence including cholesteric, SmA columnar phases, observed in thermotropic LC system of simple rigid-rod helical polysilane

16.15 – 16.40

A. d'Alessandro

Liquid crystal devices for Photonics applications: state of the art and future developments.

16.40 – 17.15

H.Toriumi

Recent Advances in Molecular Spectroscopy of Liquid Crystals

17.15 – 17.40

Y.Fujimura

Development of Optical Films for LCDs.

17.50 – 18.25

SOCIAL DINNER

20.30

July 11: Departure (n.b. only for those not staying for the second national meeting)

