



# 5TH WORKSHOP OF LIQUID CRYSTALS FOR PHOTONICS WLCP 2014

INTERNATIONAL SCHOOL  
OF LIQUID CRYSTALS  
20TH COURSE

APPLICATION FORM

Surname.....

Name.....

Date and place of birth.....

Present nationality.....

Degree and other academics qualifications.....

.....

Present position and place of work.....

Address.....

Zip..... City.....

Country.....

Tel.....Fax.....

E-mail.....

Current research interests.....

.....

I am willing to present a contribution (oral/poster) :

yes ☐ ☒ Tentative title:

no ☐

# 5TH WORKSHOP OF LIQUID CRYSTALS FOR PHOTONICS WLCP 2014

INTERNATIONAL SCHOOL  
OF LIQUID CRYSTALS  
20TH COURSE

ERICE, SEPTEMBER 2-7, 2014



Sponsored by



ETTORE MAJORANA FOUNDATION AND  
CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE  
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



SICL SOCIETÀ ITALIANA CRISTALLI LIQUIDI



SAPIENZA  
UNIVERSITÀ DI ROMA



ITALY CHAPTER

## REGISTRATION

The total fee for the meeting, which includes full board and lodging (arranged by the E. Majorana Centre) and the local transportation, is Euro 700. PhD students and Post-docs can register at a reduced registration fee of Euro 500. Persons interested in attending the workshop should complete the enclosed application form and send it to:

Prof. Antonio d'Alessandro

Sapienza Università di Roma, Dipartimento di Ingegneria dell'Informazione, Elettronica e Telecomunicazioni, Via Eudossiana, 18  
00184 Roma, Italia

email: [antonio.dalessandro@uniroma1.it](mailto:antonio.dalessandro@uniroma1.it)

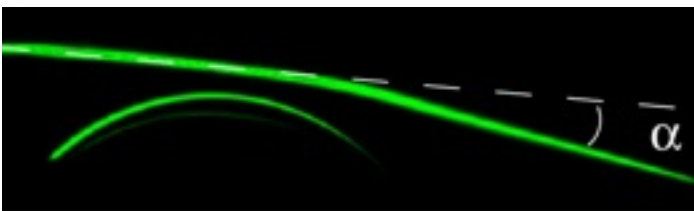
or visit the workshop website: [wlcp2014.uniroma1.it](http://wlcp2014.uniroma1.it) for details.

Deadline for registration is **July 20th, 2014**.

## VENUE

The School will be held at the Centre for Scientific Culture "Ettore Majorana" in Erice, a small town of Sicily in the South of Italy with a great tradition of hosting high quality scientific meetings (<http://www.ccsem.infn.it/>).

The arrival of participants should be on Tuesday, September 2 and the departure is scheduled by Sunday September 7.



## PURPOSE OF THE WORKSHOP

The Workshop on Liquid Crystals for Photonics is a forum of world first class scientists, in particular chemists, physicists and engineers, involved in photonic applications of liquid crystals.

The workshop includes mostly invited speakers from renowned academic and research institutions, from several countries to encompass the state of the art in photonics using liquid crystals and composite materials. A poster session is also organized to allow especially young researchers to present their results.

Updated information can be found at [wlc2014.uniroma1.it](http://wlc2014.uniroma1.it).

Deadline for abstract submission is **June 30th, 2014**.

Full papers will be published in a special issue of Molecular Crystals and Liquid Crystals by Taylor and Francis.

## TOPICS

Main topics of the WLC2014 include:

- Novel liquid crystals and self-organized nanocomposites for photonics
- Optical properties and defects in cholesteric blue-phases
- Nanostructured liquid crystalline metamaterials
- Linear and nonlinear propagation phenomena in liquid crystals
- Liquid crystal lasers
- Photoalignment and photopatterning
- Liquid crystal based integrated optics
- Advanced flat panel LC displays
- Holography and 3D image systems
- Optical trapping and biophotonics using liquid crystals
- Modelling and numerical simulation techniques of LC photonic devices



## SCIENTIFIC COMMITTEE

- A. d'Alessandro (chair), Sapienza University of Rome, Italy  
 G. Assanto, University of Rome, ROMA TRE, Italy  
 R. Beccherelli, CNR (National Research Council), Italy  
 V. Chigrinov, University of Science and Technology, Hong Kong, China  
 N. Collings, University of Cambridge, UK  
 F. Anibal Fernandez, University College of London, UK  
 I. C. Khoo, Penn State University, USA  
 I. Moreno, University Miguel Hernández de Elche, Spain  
 K. Neyts, University of Ghent, Belgium  
 P. Pasini, INFN (National Institute of Nuclear Physics) – Bologna Italy  
 F. Simoni, Polytechnical University of Marche, Italy  
 G. Strangi, Case Western Reserve University, USA  
 N. Tabyrian, Beam Engineering, USA  
 C. Zannoni (Director of the XX International Liquid Crystal School, Erice) University of Bologna – Italy  
 S. Zumer, University of Ljubljana, Slovenia

## ORGANIZING COMMITTEE

- Antonio d'Alessandro (chair), Sapienza University of Rome, Italy,  
 Paolo Pasini (co-chair), INFN (National Institute of Nuclear Physics) – Bologna, Italy  
 Rita Asquini, Sapienza University of Rome, Italy  
 Luca Martini, Sapienza University of Rome, Italy  
 Massimo Mazzetta, Sapienza University of Rome, Italy

## INVITED SPEAKERS

- Ibrahim Abdulhalim, Ben Gurion University in Israel  
 Rita Asquini, Sapienza University of Rome, Italy  
 Gaetano Assanto, University of Rome ROMA TRE, Italy  
 Romeo Beccherelli, CNR (National Research Council), Italy  
 Vladimir Chigrinov, Hong Kong University of Science and Technology, Hong Kong, China  
 Olga Chojnowska, Military University of Technology, Warsaw  
 Gabriella Cipparrone, University of Calabria, Italy  
 Luigino Criante, Italian Institute of Technology, Italy  
 F. Aníbal Fernandez, University College of London, UK  
 Martin Koch, Marburg University, Germany  
 Hoi S. Kwok, Hong Kong University of Science and Technology, Hong Kong  
 Tsung-Hsien Lin, National Sun Yat Sen Univ., Kaohsiung, Taiwan  
 Lorenzo Marrucci, Federico II University of Naples, Italy  
 Ignacio Moreno, University Miguel Hernández de Elche, Spain  
 Kristiaan Neyts, University of Ghent, Belgium  
 Mary O'Neil, University of Hull, UK  
 Peter Palffy Muhoray, Kent State University, USA  
 Masanori Ozaki, Osaka University, Japan  
 Stefania Residori, CNRS, Nice, France  
 Miha Ravnik, University of Ljubljana, Slovenia  
 Giuseppe Strangi, Case Western Reserve University, USA  
 Nelson Tabyrian, Beam Engineering, USA  
 Cesare Umeton, University of Calabria, Italy  
 Tomasz Woliński, Warsaw University of Technology, Poland  
 Hiroshi Yokoyama, Kent State University, USA  
 Claudio Zannoni, University of Bologna – Italy  
 Slobodan Žumer, University of Ljubljana, Slovenia