

# 2016 EMN Meeting on Liquid Crystal Conference Program

<b>Tuesday Feb. 16</b>		
<b>Room A</b>		
7:00-8:05 AM	Breakfast	
<b>Opening Ceremony</b>		
8:05-8:15 AM	A01: Welcome Speech	General Chair, Zhiming Wang University of Electronic Science and Technology of China, China
<b>Keynote Speaker</b>		
8:15-8:50 AM	A02: How the International Liquid Crystal Society Was Founded	<b>Lui Lam</b> San Jose State University, USA
<b>Session: Liquid Crystal/Nanoparticle System</b>		
<b>Chair: Lia Q. Amaral</b>		
8:50-9:15 AM	A03: Liquid crystal mixtures made of nanosheets and nonionic surfactants	<b>Regis Guegan</b> University of Orleans, France
9:15-9:40 AM	A04: The Helical Nanofilament phase for organic electronics	<b>David M. Walba</b> University of Colorado, USA
9:40-10:05 AM	A05: Controlled nanoparticle targeting	<b>Robert Repnik</b> University of Maribor, Slovenia
10:05-10:20 AM	Session Break	
<b>Session: Liquid Crystals in Electro-optics and Display Applications I</b>		
<b>Chair: Raisa Talroze</b>		
10:20-10:45 AM	A06: Graphene oxide liquid crystals for reflective displays without polarizing optics	<b>Jiming Bao</b> University of Houston, USA
10:45-11:10 AM	A07: How can an LCD power be saved while a fast-response LC is well-developed	<b>Fang-Cheng Lin</b> National Chiao Tung University, Taiwan
11:10-11:35 AM	A08: Investigation of the relationships between molecular structures and properties of anthraquinone dichroic dyes with phenylthio groups and their application to GH-LCD	<b>Hiroki Iwanaga</b> Corporate Research & Development Center Toshiba Corporation, Japan
11:35-12:00 AM	A09: Smart Switching of Nematic LC over a 2D Material Surface	<b>Malik Qasim</b> University of Cambridge, UK
12:00-14:00 PM	Lunch Break	

<b>Tuesday Feb. 16</b>		
<b>Room A</b>		
<b>Session: Biological and Bio-inspired Liquid Crystals</b>		
<b>Chair: David M. Walba</b>		
14:00-14:25 PM	A10: Liquid crystal droplets for biosensor applications	<b>Jiyu Fang</b> University of Central Florida, USA
14:25-14:50 PM	A11: Phase transitions in nematic lyotropic systems and in biomembranes: the role of order / disorder of hydrocarbon chains	<b>Lia Q. Amaral</b> University of São Paulo, Brazil
14:50-15:15 PM	A12: Liquid crystals used as diffraction grating and their applications to optical metrology	<b>Miguel Mora-Gonzalez</b> Universidad de Guadalajara, Mexico
15:15-15:30 PM	Session Break	
<b>Session: Theory, Simulations and Modeling of Liquid Crystals I</b>		
<b>Chair: Vasily Oganessian</b>		
15:30-15:55 PM	A13: Active Liquid Crystal Hydrodynamics	<b>Harald Pleiner</b> Max Planck Institute, Germany
15:55-16:20 PM	A14: What is the ability of all-atom simulation to depict accurately the Sm C phase?	<b>Armand Soldera</b> University of Sherbrooke, Canada
16:20-16:45 PM	A15: An Analysis of Chevrons in Thin Liquid Crystal Cells	<b>Lei Z. Cheng</b> Olivet Nazarene University, USA
16:45-17:10 PM	A16: Molecular dynamics simulation methods for anisotropic systems --from liquid crystals, surfaces and beyond	<b>Keiko. M. Aoki</b> Institute of Computational Fluid Dynamics, Japan
17: 10-17:35 PM	A17: Topological defects dynamics in microfluidic channel: A numerical study by multi-particle collision simulation	<b>Kuang-Wu Lee</b> Max Planck Institute, Germany
18:00 PM	Dinner Social	

<b>Wednesday Feb. 17</b>		
<b>Room A</b>		
7:00-8:05	Breakfast	
<b>Session: Liquid Crystal Polymers, Elastomers and Gels</b>		
<b>Chair: Robert Lindquist</b>		
8:05-8:30 AM	A18: Challenges and Opportunities in Photo-responsive Liquid Crystal Polymer Networks for Adaptive Structure Applications	<b>William S. Oates</b> Florida State University, USA
8:30-8:55 AM	A19: Optical effects in nanocomposites of liquid crystal polymers with nanoparticles	<b>Raisa Talroze</b> Topchiev Institute of Petrochemical Synthesis Russian Academy of Sciences, Russia
8:55-9:20 AM	A20: Thermally Conductive Liquid Crystal Polyesters and Composites	<b>Shusuke Yoshihar</b> Kaneka Corporation, Japan
9:20-9:45 AM	A21: Microwave flexible devices with ultra thin Liquid Crystal Polymers (LCP)	<b>Yuehang Xu</b> University of Electronic Science and Technology of China, China
9:45-10:00 AM	Session Break	
<b>Session: Theory, Simulations and Modeling of Liquid Crystals II</b>		
<b>Chair: Sachiko T. Nakagawa</b>		
10:00-10:25 AM	A22: Non-equilibrium behaviors of nematic liquid crystal confined in porous media	<b>Takeaki Araki</b> Kyoto University, Japan
10:25-10:50 AM	A23: Application of MD simulations and EPR spectroscopy to liquid crystals: A combined approach	<b>Vasily Oganessian</b> University of East Anglia, UK
10:50-11:15 AM	A24: Cubic phases of lyotropic liquid crystals: monocrystals, thin films, cubosomes	<b>Wojciech Gozdz</b> Polish Academy of Science, Warsaw
11:15-11:40 AM	A25: Thermodynamics of a continuous medium with electric dipoles	<b>Sylvan Brechet</b> Ecole Polytechnique Federale de Lausanne, Switzerland
11:40-12:05 PM	A26: Molecular Simulation of Confined Liquid-Crystals and Clustomesogens	<b>Aziz Ghoufi</b> Université Rennes 1, France
12:05-14:00 PM	Lunch Break	

<b>Wednesday Feb. 17</b>		
<b>Room A</b>		
<b>Session: Design and synthesis of Liquid Crystal Materials</b>		
<b>Chair: Miguel Mora-Gonzalez</b>		
14:00-14:25 PM	A27: Columnar and Smectic Self-Organization of Unconventionally Shaped Mesogens	<b>S. Holger Eichhorn</b> University of Windsor, Canada
14:25-14:50 PM	A28 Pyrazinacenes, porphyrins and nanoparticles: liquid crystals and self-assemblies	<b>Jonathan P. Hill</b> National Institute for Materials Science (NIMS), Japan
14:50-15:15 PM	A29: Design, assembly, and emergent properties of columnar mixed-stack aromatic donor-acceptor liquid crystals	<b>Joseph Reczek</b> Denison University, USA
15:15-15:45 PM	<b>Poster &amp; Session Break</b>	
<b>Session: Theory, Simulations and Modeling of Liquid Crystals III</b>		
<b>Chair: Armand Soldera</b>		
15:45-16:10 PM	A30: Hard Tetrahedra, Spatially Varying Liquid Crystal Order and Quasicrystals	<b>Rolfe.G. Petschek</b> Case Western Reserve University, USA
16:10-16:35 PM	A31: The phase transition during post annealing	<b>Sachiko T. Nakagawa</b> Okayama University of Science, Japan
16:35-17:00 PM	A32: Topological defect-antidefect depinning threshold for nematic shells	<b>Luka Mesarec</b> Laboratory of Biophysics, Slovenia
17:00-17:25 PM	A33: From field theory to chiral fluids and back	<b>Piotr Surowka</b> Harvard University, USA
17:25-17:50 PM	A34: Modes of Liquid Crystal Lasers	<b>Rene D. M. Topf</b> Imperial College London, UK
18:00 PM	Dinner Social	

<b>Wednesday Feb. 17</b>		
<b>Room B</b>		
<b>Session: Liquid Crystalline Phases and Phase Behavior</b>		
<b>Chair: Michael Debijs</b>		
14:00-14:25 PM	B01: Shape-Designed Triatic and Hexatic Liquid Crystals	<b>Thomas G. Mason</b> University of California Los Angeles, USA
14:25-14:50 PM	B02: Structure-property relationships in twist-bend nematogens	<b>Corrie Imrie</b> University of Aberdeen, UK
14:50-15:15 PM	B03: Insights into the nematic order of all-aromatic mesogens	<b>Francesco Vita</b> Universita Politecnica delle Marche, Italy
15:15-15:40 PM	B03x: Liquid crystals : laboratory of physics	<b>Samo Kralj</b> University of Maribor, Slovenia
15:40-15:45 PM	<b>Poster &amp; Session Break</b>	
<b>Session: Other Applications of Liquid Crystals</b>		
<b>Chair: Seiji Fukushima</b>		
15:45-16:10 PM	B04: Roles of wide-band thermochromic liquid crystals in heat transfer measurement of jet impingement coupled with a dimpled surface	<b>Koonlaya Kanokjaruvijit</b> Naresuan University, Thailand
16:10-16:35 PM	B05: Magneto-optical properties of LC molecules and their magnetic sensing applications	<b>Thierry Verbiest</b> University of Leuven, Belgium
16:35-17:00 PM	B06:	<b>Michael Wittek</b>
17:00-17:25 PM	B0x: The use of thermochromic liquid crystals for the experimental investigation of gas turbine cooling and heat transfer	<b>Antoni Andreini</b> Universita degli Studi di Firenze, Italy
18:00 AM	Social dinner	

<b>Thursday Feb. 18</b>		
<b>Room A</b>		
7:00-8:05 AM	Breakfast	
<b>Session: Properties of Liquid Crystals</b>		
<b>Chair: Corrie Imrie</b>		
8:05-8:30 AM	A35: Heat-driven rotation in isotropic-cholesteric coexistence system	<b>Jun Yoshioka</b> Waseda University, Japan
8:30-8:55 AM	A36: High Performance p-type Organic Electronic Semiconductors for OPV with a High Temperature Nematic Liquid Crystalline Phase	<b>David Jones</b> University of Melbourne, Australia
8:55-9:20 AM	A37: Surface and photophysical studies on tricycloquinazoline based discotic liquid crystal and its application as molecular probe	<b>C. Karthik</b> Birla Institute of Technology and Science, India
9:20-9:45 AM	A38: Photoinduced reorientation of methyl red doped nematics: What we have learned	<b>David Statman</b> Allegheny College, USA
9:45-10:10 AM	A39: Resonant soft X-ray scattering study of helical structures in liquid crystals - helical nanofilament B4 and twist bend nematic phase	<b>Chenhui Zhu</b> Lawrence Berkeley National Laboratory, USA
10:10-10:25 AM	Session Break	
<b>Session: Lyotropic, Colloidal and Chromonic Liquid Crystals</b>		
<b>Chair: Jonathan P. Hill</b>		
10:25-10:50 AM	A40: Unique behavior of lyotropic liquid crystals with anionic hybrid surfactants having oxyethylated alkyl tail	<b>Masanobu Sagisaka</b> Hirosaki University, Japan
10:50-11:15 AM	A41: Structure and transport of self-assembled colloidal particles in electro-hydrodynamic convection of nematic liquid crystals	<b>Yuji Sasaki</b> Hokkaido University, Japan
11:15-11:40 AM	A42: Self-organized structures of star-like concave colloids in 2D	<b>Kun Zhao</b> Tianjin University, China
12:00-14:00 AM	Lunch Break	

<b>Thursday Feb. 18</b>		
<b>Room A</b>		
<b>Session: Liquid Crystals in Electro-optics and Display Applications II</b>		
<b>Chair: Thierry Verbiest</b>		
14:00-14:25 PM	A43: Stratified Liquid Crystal Structures to Enable Practical Electro-Optic Devices in Terahertz Regime	<b>Robert Lindquist</b> University of Alabama in Huntsville, USA
14:25-14:50 PM	A44: Light scattering device using dye-doped (polymer/liquid crystal) composite film	<b>Seiji Fukushima</b> Kagoshima University, Japan
14:50-15:15 PM	A45: Polymer-enhanced electro-optics in various types of LCs	<b>Alexander Lorenz</b> Paderborn University, Germany
15:15-15:40 PM	A46: Study on the electro-optical properties of PDLC films (Smart glass) using Diethylenetriamine (DETA) hardener	<b>Mujtaba Ellahi</b> University Of Karachi, Pakistan
15:40-15:55 PM	Session Break	
<b>Session: Liquid Crystal Photonics</b>		
<b>Chair: David Jones</b>		
15:55-16:20 PM	A47: Electrically controllable multicolor cholesteric laser	<b>Maria Penelope De Santo</b> University of Calabria, Italy
16:20-16:45 PM	A48: Controlling light in the built environment using liquid crystals	<b>Michael Debije</b> Eindhoven University of Technology, Netherlands
16:45-17:10 PM	A49: Polar POLICRYPS Photonic Structures: Features and Possibilities	<b>Roberto Caputo</b> Universita Della Calabria, Italy
17:10-17:35 PM	A50: Cholesteric liquid-crystal Bragg onion lasers	<b>Matjaz Humar</b> Jozef Stefan Institute, Slovenia
17:35-18:00 PM	A51: Liquid Crystals for Photonic Integrated Circuit Applications	<b>Joanna Ptasinski</b> Space and Naval Warfare Systems Center Pacific, USA
18:00 PM	Dinner Social	