

# Agenda of SLCP 2017

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| <b>May 5<sup>th</sup>, 2017</b> |   |
| <b>08:00-12:00</b>              | <b>Airport Pickup &amp; Registration</b>  |
| <b>13:00-19:00</b>              | <b>Afternoon Sessions (International Room III)</b>  |
|                                 | <b>Opening Ceremony, Chair: Yubao Sun</b>   |
|                                 | Speech: <b>Xu Han</b> , President of Hebei University of Technology   |
|                                 | Speech: <b>Shin-Tson Wu</b> , Honorary Chair of the Conference  |
|                                 | <b>Group Photo(out the building)</b>  |
|                                 | <b>Section 1: Seminar I, Chair: Shin-Tson Wu</b>  |
|                                 | 13:30-14:30 <b>Quan Li</b> , Kent State University, Stimuli-Driven Self-Organized Chiral Liquid Crystalline Materials for Dynamic Photonics |
|                                 | 14:30-15:30 <b>Yanqing Lu</b> , Nanjing University, Liquid Crystal Photoalignment Technology for Photonic Applications                      |
|                                 | <b>15:30-15:50 Coffee Break</b>   |
|                                 | <b>Section 2: Seminar II, Chair: Alan Lien</b>  |
|                                 | 15:50-16:50 <b>Xiaowei Sun</b> , South University of Science and Technology, Emerging quantum dot and quantum rod displays                  |
|                                 | 16:50-17:50 <b>Shin-Tson Wu</b> , University of Central Florida, Next round of LCD innovations  |
|                                 | <b>Section 3: Poster Presentation</b>   |
|                                 | 17:50-19:00 Poster Presentation   |
| <b>19:00-20:30</b>              | <b>Welcome Dinner (Yushuilonggong Hotal)</b>  |

May 6<sup>th</sup>, 2017

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| <b>08:30-11:50</b> | <b>Morning Sessions (International Room III)</b>                               |  |
|                    | 08:30-08:40  | <b>Welcome Speech: Yubao Sun</b> , Chair of the Organizing Conference, Hebei university of Technology                                      |
|                    | <b>Section 4: Keynote I, Chair: Liang-Chy Chien</b>                            |  |
|                    | 08:40-09:10  | <b>Iam Choon Khoo</b> : Pennsylvania State University, Femtoseconds-Picoseconds Nonlinear Optics and Photonics with Liquid Crystals        |
|                    | 09:10-09:40  | <b>Igor Muševič</b> : Institute of Jozef Stefan, Ljubljana, Slovenia, Liquid Crystal Microphotonics  |
|                    | 09:40-10:10  | <b>Hoi-Sing Kwok</b> : HongKong University of Science and Technology, Recent Progress in Photoalignment and its Applications               |
|                    | <b>10:10-10:30</b>   | <b>Coffee Break</b>  |
|                    | <b>Section 5: Keynote II, Chair: Wei Lee</b>                                   |  |
|                    | 10:30-11:00  | <b>Vladimir Chigrinov</b> : HongKong University of Science and Technology, Liquid crystal photonics: New challenges                        |
|                    | 11:00-11:30  | <b>Guofu Zhou</b> : South China normal University, Switchable windows based on polymer-stabilized liquid crystals                          |
| 11:30-12:00        | <b>Eric Chen</b> : HCCH Co. Ltp, China, New RM and room temperature nematic RM |  |
| <b>12:10-13:30</b> | <b>Lunch</b>   |  |
| <b>13:30-18:25</b> | <b>Afternoon Sessions (International Room III)</b>                             |  |
|                    | <b>Section 6A: PDLC-I, Chair: Shin-Tson Wu</b>                                 |  |
|                    | 13:30-13:55  | <b>Dirk J. Broer</b> : Eindhoven University of Technology, Light-Induced Oscillatory Dynamics in Liquid Crystal Network Films and Coatings |
|                    | 13:55-14:20  | <b>Huai Yang</b> : Peking University, China, Temperature and electric  |

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|                    |   | field responsive smart film with full broadband optical modulation  |
|                    | 14:20-14:45                                       | <b>Yi-Hsin Lin:</b> National Chiao Tung University, An investigation of optical phases resulting from Kerr effect and molecular orientations in polymer-dispersed liquid crystals |
|                    | 14:45-15:10                                       | <b>Jiu-Zhi Xue:</b> Institute of Smart LC Technologies, JITRI, China, Advanced liquid crystal applications and their industrial technology research at JITRI                      |
|                    | 15:10-15:35                                       | <b>Dan Luo:</b> Southern University of Science and Technology, China, All-solid-state hyper-reflective cholesteric film   |
|                    | 15:35-15:55                                       | <b>Coffee Break</b>   |
|                    | <b>Section 7A: LCD-I, Chair: Yanqing Lu</b>       |   |
|                    | 15:55-16:20                                       | <b>Tae-Hoon Yoon:</b> Pusan National University, Korea, Fast Switching of Nematic Liquid Crystals Aided by Virtual Walls  |
|                    | 16:20-16:45                                       | <b>Kei-Hsiung Yang:</b> National Chiao Tung University, Recent Advances on the Ionic Properties of Nematic LCDs   |
|                    | 16:45-17:10                                       | <b>Kristiaan Neyts:</b> Ghent University, Belgium, Tuning and emission of light with liquid crystal devices   |
|                    | 17:10-17:35                                       | <b>Abhishek Kumar Srivastava:</b> Hong Kong University of Science and Technology, Photo Alignable and Switchable Nano-Rods for Display Application                                |
|                    | 17:35-18:00                                       | <b>Alan Lien (CTO previously):</b> Shenzhen China Star Optoelectronics Technology Co. Letd. Formulation of Jones matrix for the reflective display                                |
|                    | 18:00-18:25                                       | <b>Jiun-Haw Lee:</b> National Taiwan University, Lifetime Improvement of Blue OLED  |
| <b>13:30-18:25</b> | <b>Afternoon Sessions (International Room IV)</b> |   |
|                    | <b>Section 6B: LC material, Chair: Quan Li</b>    |   |
|                    | 13:30-13:55                                       | <b>Yue Zhao:</b> University of Sherbrooke, Canada, Block Copolymers in Liquid Crystals: Self-Assembly and Properties  |

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|  | 13:55-14:20                                      | <b>Dong Chen:</b> Zhejiang University, Self-Assembly of Bent-Core Liquid Crystals  |
|  | 14:20-14:45                                      | <b>Ke-qing Zhao:</b> Sichuan Normal University, Facile Synthesis of Discotic Liquid Crystals and their Charge Transport Property                                       |
|  | 14:45-15:10                                      | <b>Wen-hao Yu:</b> Sichuan Normal University, Synthesis and Mesomorphism of Functionalized 1,2,3-Triazoles Liquid Crystals   |
|  | 15:10-15:35                                      | <b>Yin-Jie Chen:</b> Beijing Institute of graphic communication, China, Photoresponsive liquid crystals based on halogen bonding of azopyridines                       |
|  | <b>15:35-15:55</b>                               | <b>Coffee Break</b>  |
| <b>Section 7B: RM and Random Laser, Chair: Eric Chen</b> |  |  |
|  | 15:55-16:20                                      | <b>Sin-Doo Lee:</b> Seoul National University, Applications of Reactive Mesogens for Novel Optical Devices   |
|  | 16:20-16:45                                      | <b>Luo-gen Deng:</b> Beijing Institute of Technology, Progress in Dye-doped Liquid Crystal Random Lasers Enhanced by Metal Nanoparticles                               |
|  | 16:45-17:10                                      | <b>Xiang-ru Wang:</b> University of Electronic Science and Technology of China, Laser beam steering using the versatile material of liquid crystal: Current and future |
|  | 17:10-17:35                                      | <b>Li-hua Ye:</b> Southeast University, Study of Random Laser in Dye Doped Liquid Crystals (DDLCC)   |
| <b>18:30-20:30</b>                                       | <b>Conference Banquet</b>                        |  |
| <b>May 7<sup>th</sup>, 2017</b>                          |  |  |
| <b>08:30-11:45</b>                                       | <b>Morning Sessions (International Room III)</b> |  |
|  | <b>Section 8A LCD-II, Chair: Hoi-Sing Kwok</b>   |  |
|  | 08:30-08:55                                      | <b>Wan-li He:</b> Beijing University of Science and Technology, Preparation and electro-optical properties of nanoparticles doped blue phase liquid crystals           |

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|                    | 08:55-09:20   | <b>Dong-Yu Zhao:</b> Beihang University, China, Effects of nano particles on optical and electro-optical properties of liquid crystals                                       |
|                    | 09:20-09:45   | <b>Qi Guo:</b> Beihang University, Fast Electrooptical Modes in Ferroelectric Liquid Crystal and their Applications  |
|                    | 09:45-10:10   | <b>Jin-bao Guo:</b> Beijing University of Chemical Technology, Simultaneous Phototuning of Reflection and Luminescent Colors in a Two-Mode Cholesteric Liquid Crystal Device |
|                    | 10:10-10:30   | Coffee Break   |
|                    | <b>Section 9A: LCD-III, Chair: Vladimir Chigrinov</b> |  |
|                    | 10:30-10:55   | <b>Deng-Ke Yang:</b> Kent State University, Recent Progress in Polymer Stabilized Liquid Crystal Displays  |
|                    | 10:55-11:20   | <b>Wei Lee:</b> National Chiao Tung University, Taiwan, Making the Bistable Chiral-Tilted Homeotropic Nematic (BHN) Mode Tristable and Photo-Switchable                      |
|                    | 11:20-11:45   | <b>Paul(Bo-Ru) Yang:</b> Sun Yat-Sen University, Strategies for Achieving Full-Color Electrophoretic E-Paper   |
| <b>08:30-11:55</b> | <b>Morning Sessions (International Room IV)</b>       |  |
|                    | <b>Section 8B LC Photonic I, Chair: Sin-Doo Lee</b>   |  |
|                    | 08:30-08:55   | <b>Atsushi Shishido:</b> Tokyo Institute of Technology, Japan, Design of molecular alignment in polymer film for photonic applications                                       |
|                    | 08:55-09:20   | <b>Tsung-Hsien Lin:</b> National Sun Yat Sen University, Taiwan, All-optical photonic devices based on nonlinear responsive liquid crystal                                   |
|                    | 09:20-09:45   | <b>Jian-gang Lu:</b> Shanghai Jiao Tong University, Twist Structure Liquid Crystal and its Photonics Application   |
|                    | 09:45-10:10   | <b>Wei Hu:</b> Nanjing University, Ordered liquid crystal hierarchical superstructures enabled by photoalignment   |
|                    | 10:10-10:30   | Coffee Break   |

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|                    | <b>Section 9B: LC Photonic II, Chair: Iam Choon Khoo</b>                 |   |
|                    | 10:30-10:55  | <b>Jing-Xia Wang:</b> Technical Institute of Physics and Chemistry, CAS, China, Electro-wetting induced morphological evolution of metal-organic photonic crystals                                |
|                    | 10:55-11:20  | <b>Xiao-Qian Wang:</b> East China University of Science and Technology, China, Liquid crystal diffractive optical elements with topological phase   |
|                    | 11:20-11:45  | <b>Ying Xiang:</b> Guangdong University of Technology, Tunable optical grating based on the flexoelectric effect in a bent-core nematic liquid crystal  |
| <b>11:55-13:30</b> | <b>Lunch</b>   |   |
| <b>13:30-17:30</b> | <b>Afternoon Sessions</b>  |   |
|                    | <b>Section 10A:PDLC-2, Chair: Hongxia Zhang (International Room III)</b> |   |
|                    | 13:30-13:55  | <b>Liang-Chy Chien:</b> Kent State University, Fast flexoelectro-optical switching in bimesogen-doped and polymer-stabilized Cholesteric ULH and VSH modes  |
|                    | 13:55-14:20  | <b>Danqing Liu:</b> Eindhoven University of Technology, Netherlands, Dynamic Surface Topographies Formed in Chiral Liquid Crystal Polymer Networks  |
|                    | 14:20-14:45  | <b>Zeng-Hui Peng:</b> Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences, China, Fast response liquid crystal material and its application in optical devices |
|                    | 14:45-15:10  | <b>Mark Su:</b> Shijiazhuang Chengzhi Yonghua Disp. Mater. Co. Ltd, Innovative problem solving about reliability performance of TFT-LCD   |
|                    | 15:10-15:30  | <b>Coffee Break</b>   |
|                    | <b>Section 10B: Others, Chair: Yue Zhao (International Room IV)</b>      |   |
|                    | 13:30-13:55  | <b>Miao Xu:</b> Hefei University of Technology, China, Tunable microlens array based on Electroactive polymer gels  |

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| 13:55-14:20   | <b>Hong-bo Lu:</b> Hefei University of Technology, New development in AIEE luminescent liquid crystal materials and devices  |
| 14:20-14:45   | <b>Qi-Huo Wei:</b> Kent State Univ. High throughput, High resolution plasmonic photopatterning of molecular orientations for emerging liquid crystal device fabrication  |
| 14:45-15:10   | <b>Yi-Bai Huang:</b> National Chiao-Tung University, Taiwan, Light Field Technology with Micro-lens Array for Floating 3D Display and AR/VR Applications   |
| 15:10-15:30   | <b>Coffee Break</b>  |
| <b>Section 11: Student Presentations, Chair: Yi-Hsin Lin (International Room III)</b> |  |
| 15:30-15:45   | <b>Yang Liu:</b> Yonsei University, South Korea, Alignment of liquid crystals sandwiched between graphene quantum dots and dimethyl sulfate doped PEDOT:PSS thin layers with low residual direct-current voltage |
| 15:45-16:00   | <b>Wei Duan:</b> Nanjing University, China, Helicity-dependent optical elements based on micro-patterned liquid crystals   |
| 16:00-16:15   | <b>Wei-Qiang Yang:</b> East China University of Science and Technology, China, Room temperature stable blue phase enabled by a photo-polymerizable bent-shaped material  |
| 16:15-16:30   | <b>Xiao Li:</b> East China University of Science and Technology, China, Cryo-stable helical blue phase enabled by photo-polymerization with fluoroacrylates to enhance electro-optical performances              |
| 16:30-16:45   | <b>Shanghe Wang:</b> National Chiao Tung University, Taiwan, Tristable switching in a dual-frequency Smectic-A liquid crystal cell   |
| 16:45-17:00   | <b>Hu Dou:</b> Sichuan University, China, A switchable liquid crystal microlens between 1D and 2D arrays   |
| 17:00-17:15   | <b>Zongdai Liu:</b> Southern University of Science and Technology, China, Photonic Quasicrystal Structure Based All Organic Liquid Crystal Lasing  |

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|                    | 17:15-17:30  | <b>Zeyang Liu:</b> Key Laboratory of Opto-electronic Information Technology, Ministry of Education, China, Design of a binocular waveguide display system with subwavelength grating couplers |
| <b>18:00-18:30</b> | <b>Closing Ceremony, Chair: Shin-Tsou Wu (International Room III)</b><br>SLCP 2018 announcement: Yanqing Lu (Nanjing University) |   |
| <b>19:00-20:30</b> | <b>Dinner</b>  |   |