Joint Conference of the British and German Liquid Crstal Societies (BLCS/DFKG 2016)

DAY 1: Monday 21 March

Time	Location	Event			
11:00	JMCC 1st floor foyer	Registration			
12:30		Lunch			
13:30	Pentland East	Welcome from conference chairs, Philip Hands & Matthias Lehmann			
Session 1					
13:45	Pentland East	I1	Wilson Poon	University of Edinburgh	Ben Sturgeon Lecture: *The universe in a bacterial colony: growing E.coli as active nematics*
14:35	Pentland East	O1	Ingo Dierking	University of Manchester	*Liquid crystal - ferrofluid dispersions*
14:55	Pentland East	O2	Alexander Lorenz	University of Paderborn	*Polymer enhanced LCs with continuous optical phase modulation*
14:55	Pentland East	O3	Daniel Svenšek	University of Ljubljana	*Proposing a generalized conservation law for main-chain polymer nematics*
15:15		Tea/coffee			
Session 2					
15:45	Pentland East	O4	Simon Siemianowski	Merck KGaA	*Liquid crystal technologies towards realising a Field Sequential Colour (FSC) display*
16:05	Pentland East	O5	Mark Simms	University of York	*Rationalising dye alignment in liquid crystal hosts through a combined experimental and computational approach*
16:25	Pentland East	O6	Joachim Vollbrecht	University of Paderborn	*Liquid crystalline and spectroscopic properties of distorted arene cores*
16:45	Pentland East	O7	Martin Walker	University of Durham	*Persistence length of chromonic aggregates*
17:05	Pentland East	O8	Claudia Schmidt	University of Paderborn	*Order parameters from 1H NMR using the Haller extrapolation*
17:25	Pentland West	Poster session, exhibition and evening reception			
20:00	JMCC bar	Further networking opportunities			

DAY 2: Tuesday 22 March

Time	Location	Event			
08:30	Centro Lounge	Tea/coffee			
Session 3					
09:00	Pentland East	O9	Pascal Cachelin	Queen Mary University of London	*Sensing potential: the use of chiral nematic thin films incorporating reactive chiral dopants as sensors*
09:20	Pentland East	O10	Jürgen Schmitke	University of Paderborn	*Using absorption bands for photonic band gap engineering in cholesteric liquid crystals*
09:40	Pentland East	O11	Jennifer Jones	University of Cambridge	*Modelling of free-standing perovskite-chiral polymer film structures for lasing*
10:00	Pentland East	O12	Oliver Henrich	University of Edinburgh	*Poiseuille flow of cholesteric liquid crystals*
10:20		Tea/coffee			
Session 4					
10:50	Pentland East	I2	Maria Godinho	FCT NOVA, Lisbon	BLCS Visiting Lecturer: *Micro-filaments decorated by liquid crystal droplets*
11:40	Pentland East	O13	Tristan Hessberger	University of Mainz	*Liquid crystalline actuating Janus-particles by a co-flow microfluidic synthesis*
12:00	Pentland East	O14	Diana Khoromskaia	University of Warwick	*Dynamics of defects in shells of active liquid crystal*
12:20	Pentland East	O15	Martin Urbanski	University of Luxembourg	*Virtual polarising microscopy on nematic shells*
12:40		Lunch			
Session 5					
13:40	Pentland East	I3	Randy Kamien	University of Pennsylvania	George Gray Medal Lecture: *Linking in liquid crystals*
14:30	Pentland East	O16	Efthymia Ramou	University of Hull	*Mesophase behaviour in dimeric systems with a nematic-nematic transition*
14:50	Pentland East	O17	Tino Reppe	University of Halle	*Mirror symmetry breaking in cubic and isotropic liquid phases of achiral polycatenar molecules*
15:10	Pentland East	O18	Mark Wilson	University of Durham	*Atomistic simulation of liquid crystals: towards the accurate prediction of phases and phase transition temperatures*
15:30		Tea/coffee			
Session 6					
16:00	Pentland East	O19	Ralf Stannarius	Otto von Guericke University, Magdeburg	*The OASIS project: Liquid crystals in space*
16:20	Pentland East	O20	Giampaolo D'Alessandro	University of Southampton	*Multiscale models of freely rotating inclusions in nematic liquid crystals*
16:40	Pentland	BLCS AGM (Pentland East), DFKG AGM (Penland West)			
17:40	Pentland West	Poster session, exhibition, networking			
19:00	South Hall	Conference dinner and awards			

DAY 3: Wednesday 23 March					
Time	**Location**	**Event**			
08:30	Centro Lounge	Tea/coffee			
Session 7					
09:00	Pentland East	O21	Nikita Solodkov	University of Leeds	*Alignment and electro-optic properties of ferroelectric smectic C* liquid crystals with a direct transition to the nematic and isotropic phases*
09:20	Pentland East	O22	Marc Harjung	University of Stuttgart	*Electroclinic effect in a chiral lyotropic lamellar phase*
09:40	Pentland East	O23	Christopher Prior	University of East Anglia (UEA)	*Probing lyotropic liquid crystal phases by a combination of EPR spectroscopy and molecular dynamics simulation*
10:00	Pentland East	O24	Frank Jenz	University of Stuttgart	*Orientational distribution functions and order parameters in "de Vries"-type smectics – a simulation study*
10:20		Tea/coffee			
Session 8					
10:50	Pentland East	I4	Andy Cammidge	University of East Anglia	Cyril Hilsum Medal Lecture: *Design and synthesis of new disc-like molecules that probe the limits for mesophase formation*
11:40	Pentland East	O25	Giusy Scalia	University of Luxembourg	*Self-assembled molecular wires of discotic liquid crystal formed with the crucial contribution of solvents*
12:00	Pentland East	O26	Markus Hügel	University of Würzburg	*New shape-amphiphiles self-assembling in filled columnar mesophases*
12:20	Pentland East	O27	Martin Horčic	UCT Prague	*Bent-core dimers utilizing benzenetriol central cores*
12:40		Lunch			
Session 9					
13:40	Pentland East	O28	Silvio Poppe	University of Halle	*Formation of new complex LC phases by T-shaped bolapolyphiles*
14:00	Pentland East	O29	Daniel Paterson	University of Aberdeen	*An isothermal twist-bend nematic to nematic phase transition*
14:20	Pentland East	O30	Tim Atherton	Tufts University	*Shape minimization problems for liquid crystals*
14:40	Pentland East	O31	Alf Martínez-Felipe	University of Aberdeen	*Towards supramolecular complexes showing the twist-bend nematic phase*
15:00	Pentland East	Prizes & final words from conference chairs, Philip Hands & Matthias Lehmann			
15:20		Tea/coffee			
		End of conference			

List of Poster Contributions

P 1	Jordan	Abberley	University of Aberdeen	*The effects of the mesomeric nature of the terminal group on NTB phase behaviour in liquid crystal dimers*
P 2	Matthew	Abdy	University of Aberdeen	*The role of hydrogen bonding in stabilising the twist-bend nematic phase: an infrared study*
P 3	Rebecca	Walker	University of Aberdeen	*Phase behaviour of hydrogen-bonded methylene-ether linked liquid crystal dimers*
P 4	Ammar	Khan	University of Cambridge	*Developing hole transport layers using doped triphenylene discotic liquid crystals*
P 5	Sarah	Gray	Durham University	*Studying the phase behaviour of lyotropic liquid crystals using Dissipative Particle Dynamics*
P 6	Romnick	Thind	Durham University	*Multiscale computer simulations of an anionic chromonic dye*
P 7	Rhoda	Beskeni	University of East Anglia (UEA)	*Synthesis of staggered triphenylene twins linked through ferrocene bridges*
P 8	Xiao	Yang	University of East Anglia (UEA)	*Synthesis and characterisation of new twinned triphenylenes*
P 9	Margaret	Normand	University of Edinburgh	*High repetition-rate liquid crystal lasers*
P 10	David	Allan	University of Hull	*Synthesis and properties of asymmetric dimeric materials with lateral and terminal fluorine substituents for DFLC mixtures*
P 11	James	Hussey	University of Hull	*Investigation of the liquid crystal and photochromic properties of a functionalised HABI dimer group*
P 12	James	Taylor	University of Lancaster	*Tuning the colour and phase stability of chiral nematic polymers and elastomers*
P 13	James	Bailey	University of Leeds	*Double-layered liquid crystal devices with an intermediate layer*
P 14	Devesh	Mistry	University of Leeds	*Opening the possibilities of room temperature applications of poly(acrylate) liquid crystal elastomers*
P 15	Arash	Azari	University of Lund	*Polymers under geometrical confinement*
P 16	Johanna	Bruckner	University of Luxembourg	*Solvent effects on chiral nematic self-assembly of cellulose nanocrystals*
P 17	Alexey	Eremin	Otto von Guericke University Magdeburg	*Photomanipulation of the anchoring energy and its effect on the behaviour of LC colloids*
P 18	Kirsten	Harth	Otto von Guericke University Magdeburg	*Retarded rupture of LC shells and bubbles in viscous environment*
P 19	Christoph	Klopp	Otto von Guericke University Magdeburg	*Microrheology of isometric and anisometric particles in a 2D fluid*
P 20	Lukas	Braun	Johannes Gutenberg University of Mainz	*Synthesis of micrometer sized photoresponsive actuators based on liquid crystalline elastomers (LCEs)*
P 21	David	Ditter	Johannes Gutenberg University of Mainz	*Crosslinking of liquid crystalline nanoparticles*
P 22	Benjamin	Klöckner	Johannes Gutenberg University of Mainz	*Liquid crystalline phases of magnetite nanorods*
P 23	Nico	Röder	Johannes Gutenberg University of Mainz	*Synthesis of discotic liquid crystalline Tristriazolotriazines and studies of their optical and thermotropic behaviour*
P 24	Shakhawan	Al-Zangaga	University of Manchester	*Dielectric relaxation behaviour of graphene oxide micro flakes in isotropic and nematic solvents*
P 25	Bernhard	Atorf	University of Paderborn	*NIR Kerr effect in polymer-stabilized blue phase liquid crystals*
P 26	Dmitry	Kushnikovskiy	University of Paderborn	*Lyotropic liquid crystalline templated synthesis of silver*
P 27	Alexander	Lorenz	University of Paderborn	*Surface grafted crosslinker in polymer network liquid crystals*
P 28	Markus	Wahle	University of Paderborn	*Electrooptics of blue phase photonic crystal fibres*
P 29	Bingru	Zhang	University of Paderborn	*Pattern formation and inverse dynamic light scattering in a liquid crystal with negative and positive anisotropy of electric conductivity*
P 30	Kvetoslava	Bajzíková	UCT Prague	*New aryl end-capped bent-shaped liquid crystals*
P 31	Huanjun	Lu	University of Sheffield	*Chiral isotropic liquid and bicontinuous cubic phases in achiral polycatenar LC molecules*
P 32	Warren	Stevenson	University of Sheffield	*A c2mm liquid crystal phase formed by dimer molecules*
P 33	Omar	Alsuhaimi	Universityof Strathclyde	*Helfrich-Hurault effect in Smectic A (SmA)*
P 34	Friederike	Knecht	University of Stuttgart	*Deuterium isotope effect on the stability of the lyotropic Lα'* phase*
P 35	Carsten	Müller	University of Stuttgart	*Nanosegregation and its connection to "de Vries-like" properties in smectic liquid crystals*
P 36	Christian	Schlick	University of Stuttgart	*Electro-optic Kerr effect in ionic liquid crystals*
P 37	Iris	Wurzbach	University of Stuttgart	*Investigation of electronic charge transport properties in liquid crystals with higher ordered smectic phases*
P 38	Ming	Lei	University College London (UCL)	*Design and evaluation of tunable microwave electric-LC resonators based on liquid crystal*
P 39	Carl	Whitfield	University of Warwick	*Instabilities and phase behaviour of active liquid crystal droplets*
P 40	Matthias	Lehmann	University of Würzburg	*LC tweezers – Filled tetrasubstituted star-like liquid crystal materials*
P 41	Richard	Mandle 1	University of York	*The stabilisation of smectic mesophases by bulky end groups*
P 42	Richard	Mandle 2	University of York	*The mesomorphic behaviour of unsymmetrical methylene linked phenylbenzoate dimers*
P 43	Richard	Mandle 3	University of York	*Control of the bend angle in dimers allows manipulation of the stabilities of the nematic and twist-bend mesophase*