

WEDNESDAY, March 17, 2021

08:45	Opening	(Organizers)	
	Session We1	(Eremin)	
09:00-09:30	I1	Fumito Araoka	Functional properties in doped polar nematics
09:30-09:50	O1	Muhammad Ali	Spontaneous formation of polarization diffraction gratings in the twist-bend nematic phase
09:50-10:10	O2	Lawrence Honaker	Nematic liquid crystal interfacial tensions: an anisotropic issue
10:10-10:30	O3	Anjali Sharma	Liquid crystal elastomer shells with exotic actuation modes programmed by topological defects
	Session We2	(Stannarius)	
11:00-11:30	I2	Rebecca Walker	Structure-property relationships, chirality and the twist-bend nematic phase
11:30-12:30	S01/P01-S12/P12	SHORT TALKS 1	
12:30-14:00	Lunch Break		
	Session We3	(Harth)	
14:00-14:30	I3	Jordi Ignés-Mullol	Active nematic liquid crystals under confinement: flow control, synchronization, frustration, and active boundary layers
14:30-14:50	O4	Berteloot Brecht	From planar patterned photoalignment to vertical alignment in 3D-ring shaped liquid crystal structures
14:50-15:10	O5	Sergey Shvetsov	Light beam action on dye-doped liquid crystal film with free surface
15:10-15:30	O6	Atefeh Habibpoumoghadam	Generation of optical vortices in context of a nematic liquid crystal assisted by anomalous electrical properties of ITO
	Session We4	(Menzel)	
16:00-16:20	O7	Florian Malotke	Photonic sensing based on supramolecular liquid crystals: halogen/hydrogen bond competition in liquid crystal sensors
16:20-17:20	S13/P13-S24/P24	SHORT TALKS 2	
17:30-18:10	P01-P12	POSTER DISCUSSIONS	
18:15-18:55	P13-P24	POSTER DISCUSSIONS	
	Vorländer I	(Kitzerow)	
19:30-20:30	V1	Andreas Menzel	Emergent dynamic liquid-crystalline order in active crowds

THURSDAY, March 18, 2021

	Session Th1	(Nadasi)	
09:00-09:30	I4	Vladimira Novotna	Lactate derivatives exhibiting re-entrancy phenomenon and nanotube formation in the crystalline phase
09:30-09:50	O8	Meik Blanke	Properties of natural polyphenolic compounds as building blocks for supramolecular liquid crystals
09:50-10:10	O9	Martin Lambov	Stable-radical supermesogens for potential magnetic applications
10:10-10:30	O10	Subrata Nath	Tuning the solid-state emission of liquid crystalline nitrocyano stilbene by halogen bonding
	Session Th2	(Stannarius)	
11:00-11:30	I5	Corinna Maaß	Nematic droplet swimmers
11:30-12:30	S25/P25-S36/P36	SHORT TALKS 3	
12:30-14:00	Lunch Break		
	Session Th3	(Menzel)	
14:00-14:30	I6	Miha Ravnik	Ionically charged topological defects in nematic fluids
14:30-15:30	S37-S48	SHORT TALKS 4	
	Session Th4	(Nadasi)	
16:00-16:20	O11	Evangelia Zavvou	Dielectric response of symmetric ether-linked cyanobiphenyl liquid crystal dimers
16:20-16:40	O12	Małgorzata Jasiurkowska-Delaporte	Molecular dynamics and crystallization behavior of liquid crystals in bulk and nanometric confinement
16:40-17:00	O13	Pravinraj Selvaraj	Superior electro-optic response in organic N-benzyl-2-methyl-4-nitroaniline doped in nematic liquid crystal device
17:05-17:45	P25-P36	POSTER DISCUSSION	
	Saupe-Award	(Kitzerow)	
18:00-19:00	Saupe-Laureate	Antal Jakli	Liquid crystal spherical caps in magnetic and electric fields
	Vorländer I	(Kitzerow)	
19:30-20:30	V2	Verena Görtz	Modulated and confined nematic liquid crystals

FRIDAY, March 19, 2021

	Session Fr1	(Eremin)	
09:00-09:20	O14	Sonja Dieterich	Synergistic structures in lyotropic lamellar gels
09:20-09:40	O15	Artur Geivandov	Deformed lying helix transition in cholesteric LC layers at spatially periodic boundary conditions
09:40-10:00	O16	Wojciech Tomczyk	Generalized Landau-de Gennes theory of the twist-bend nematic phase: on the role of flexopolarization
	Session Fr2	(Menzel)	
10:30-11:00	I7	Alenka Mertelj	Polar nematic phases
11:00-11:20	O17	Mohamed Alaasar	Photosensitive fluorinated hydrogen-bonded polycatenars
11:20-11:40	O18	Paulina Rybak	Characterisation of strongly fluorescent mesogens with quinoxaline based cores
11:40-12:00	O 19	Piotr Lesiak	Modelling of self-organizing photonic structures based on nematic liquid crystals
12:00-13:00	Lunch Break		
	Session Fr3	(Harth)	
13:00-13:20	O20	Christina Abele	Particle size dependent phenomena in lyotropic graphene oxide liquid crystals
13:20-13:40	O21	Pawel Pieranski	Fréedericksz transition on air
13:40-14:10	I8	Helena Godinho	Oscillating cellulose-based structural colors
14:10	Closing	(Organizers)	

Abbreviations:

- I Invited talk (30 min incl. discussion)
- O Regular talk (20 min incl. discussion)
- S/P Short talk (5 min incl. discussion) / Poster presentation (40 min)
- V Vorländer Award Lecture (60 min)

Short Talks and Posters Schedule

Name	Affiliation	Title	S/P
Short talks: We 11:30		Poster session: We 17:30	
Simdyankin, Ivan	FSRC Crystallography and Photonics RAS Moscow	Spatially localized electrooptical modes in vertically aligned nematic LCs	S01/P01
Klopp, Christoph	OvGU	Coalescence of liquid droplets in a quasi 2D liquid film	S02/P02
Kitzerow, Heinz	Paderborn University	Electro-optical addressing of meta-surface based optical tweezers	S03/P03
Schmidtke, Jürgen	Paderborn University	Cholesteric ring resonators	S04/P04
Loiko, Valery	Institute of physics of NAS Belarus Minsk	Polymer dispersed liquid crystal films doped with carbon nanotubes: modeling of the electrooptical response	S05/P05
Gerbig, Lisa	University of Wuerzburg	The "click-procedure" extended to porphyrin star mesogens	S06/P06
Černá, Tereza	University of Chemistry and Technology Prague	Design and synthesis of liquid-crystalline dimers exhibiting B4 phase	S07/P07
Fryń, Paryk	Jagiellonian University Kraków	Influence of single-walled carbon nanotubes and liquid crystal 5CB admixtures on physical properties of L,D-PLA	S08/P08
Noll, Katja	Universität Würzburg,	Controlling the liquid-crystalline phase by ionic guests	S09/P09
Haeger, Christian	University of Stuttgart	Understanding the phase behavior of ionic liquid crystals: the role of the charge position - a simulation study	S10/P10
Scheuring, Nikolai	University of Wuerzburg	Approaching the holy grail of liquid crystal science - biaxial nematic phases from roof-shaped mesogens	S11/P11
Herzog, Anselm	University of Würzburg	Synthesis and characterisation of a PBI substituted oligothiophen-star mesogene	S12/P12
Short talks: We 16:20		Poster session: We 18:15	
Weinberger, Pascal	Universtiy of Wuerzburg	Systematic study of ionic liquid-crystalline tricyanoborates forming smectic mesophases	S13/P13
Baumann, Maximilian	University of Wuerzburg	Umbrella-shaped LC star subphthalocyanines - E-field orientable polar mesophases	S14/P14
Ivanov, Viktor	MLU-Halle	Orientationally ordered structures in a single flexible-semiflexible multi-block copolymer chain: flat histogram Monte Carlo simulation	S15/P15

Prasad, Aparna	University of Wuerzburg	Siloxane decorated star-shaped phthalocyanines as low clearing functional liquid crystals.	S16/P16
Šmahel, Michal	University of Chemistry and Technology, Prague	Photosensitive liquid crystals derived from 4-halogenoresorcinols	S17/P17
Perkowski, Paweł	Military University of Technology, Warsaw	Electric properties of ferro- and antiferroelectric phases in racemic mixture	S18/P18
Grunwald, Marco	Universität Stuttgart,	Synthesis of star-shaped alkoxy- and chloro-triphenylbenzenes: Suzuki coupling in the presence of halogenated precursors	S19/P19
Klopp, Christoph	OvGU	Coarsening dynamics of 2D emulsions in quasi 2D fluids	S20/P20
Drzewicz, Anna	Polish Academy of Sciences Kraków	Study of a novel chiral glass-forming liquid crystal	S21/P21
Deptuch, Aleksandra	Polish Academy of Sciences Kraków	Relationship of cold crystallization kinetics and molecular dynamics in 3F5HPhH compound	S22/P22
Filimonova, Evgeniia	MLU-Halle	Molecular origin of the heterogeneity in the nematic and smectic liquid crystals: elastic constants, gradients of order parameters and visualization of small objects	S23/P23
Piwowarczyk, Marcin	Polish Academy of Sciences Kraków	Mesomorphism and photochemistry of (E)-4-((4-decyloxyphenyl)diazanyl)phenyl alkanoates	S24/P24
Short talks: Th 11:30		Poster session: Th 17:05	
Ramou, Efthymia	NOVA University of Lisbon,	Using cyanobiphenyl-based liquid crystal droplets to detect volatile gases	S25/P25
Nordendorf, Gaby	Paderborn University	Surface modification with benzophenone derivatives for liquid crystal test devices	S26/P26
Kasyanova Irina	Russian Academy of Sciences	Electrically tunable diffraction and anomalous refraction by metasurfaces made of nematic liquid crystal	S27/P27
Dardas, Dorota	Polish Academy of Sciences Poznan	Rheological properties of ferroelectric liquid crystalline materials	S28/P28
Belyaev, Victor	Moscow Region State University	Luminescent, dielectric and contact properties of liquid crystal composites with multilayer quantum dots	S29/P29

Bruckner, Johanna	University of Stuttgart	Tailored lyotropic liquid crystal templates: chances and limitations of added co-surfactants and swelling agents	S30/P30
Mamuk, Atilla Eren	Mugla Sitki Kocman University, TURKEY	Investigation of electrospun liquid crystal/polymer nano-fibers: effect of liquid crystal type	S31/P31
Stebryte, Migle	ELIS department, Ghent University	Large angle forward diffraction by chiral liquid crystal gratings with inclined helical axis	S32/P32
Busch, Mark	Hamburg University of Technology	Structure of the liquid crystal C8BTBT with high-charge-carrier mobility confined in hydrophilic and hydrophobic anodic aluminium oxide nanochannels	S33
Raszewski, Zbigniew	Military University of Technology, 00-908 Warsaw	Nematic liquid crystals for light transducers with high-transmission of light and very low reflection at visible, near, short and medium infrared regions	S34
Tykarska, Marzena	Military University of Technology Warsaw	Inversion of helical twist sense in three component system showing SmC*A phase	S35
Lalik, Sebastian	Jagiellonian University Kraków	Influence of the ferroelectric BaTiO ₃ nanoparticles on some properties of the antiferroelectric binary mixture	S36
Short talks: Th 14:30		no posters	
Zhang, Bingru	Paderborn University	Aggregation properties of a chromonic liquid crystal	S37
Becker, David	Universität Paderborn	Influence of the annealing conditions and the host materials on a columnar liquid crystal based OLED	S38
Benkowska-Biernacka, Dominika	Wroclaw University of Science and Technology	Lyotropic liquid crystals stained with Nile Red	S39
Duda, Łukasz	PORT Polish Center for Technology Development	Intermolecular proton transfer between liquid crystalline chiral 4-phenylpyridine derivative and organic acids	S40
Ebert, Max	Universität Stuttgart	Self-assembly of aminocyclopropenium salts: en route to deltic ionic liquid crystals	S41
Zieja, Paulina	Military University of Technology Warsaw	Induction of smectic A phase in mixtures of nematic compounds showing positive and negative dielectric anisotropy	S42

Juszyńska-Gałązka, Ewa	Polish Academy of Sciences Kraków	Odd-even effect in homologous series of 4-cyano-3-fluorophenyl 4'-nbenzoates (nCFPB)	S43
Galazka, Mirosław	Polish Academy of Sciences Kraków	Electric conductivity and electric polarisation of electrodes as markers of phase transitions	S44
Chrzanowska, Agnieszka	Kraków University of Technology	Can Onsager theory describe smectic liquid crystals ordering?	S45
Singh, Dharmendra Pratap	Université du Littoral Côte d'Opale (ULCO)	Charge transport properties in hybrid discotic matrix amalgamated with 0D nanostructured materials	S46
Patel, Mehzabin	University College London	Temperature-induced liquid crystal microdroplets and templated microparticles in a partially miscible liquid mixture	X47
Starzonek, Szymon	Polish Academy of Sciences	Complex dynamics and phase behaviour of liquid crystals under pressure	X48