

## Schedule GLCC 2025

### Day 1 – Wednesday, March 26, 2025

11:00	Registration – Coffee / Tea
13:00-13:10	Opening Ceremony by Prof. Dr. Kai Zhang
Chair	
13:10-13:40	Prof. Dr. Marcus Müller University of Göttingen <i>Process-directed self-assembly of block copolymers</i>
I-01	
13:40-14:10	Prof. Dr. Ivan I. Smalyukh University of Colorado <i>Topological phases and cosmology with nematic vortex lattices</i>
I-02	
14:10-14:40	Dr. Rocco Fortte Merck <i>Synthesis of a Tricyclic Hydrocarbon for Nematic Liquid Crystal Mixtures</i>
I-03	
14:40-15:00	Christian Andres Martin Luther University Halle-Wittenberg <i>Mathematical supported molecular design and synthesis of highly branched carbosilane-based X-shaped bolapolyphiles</i>
O-01	
15:00-15:30	Coffee / Tea
Chair	
15:30-16:00	Prof. Dr. Slobodan Žumer, University of Ljubljana <i>Active nematics in spherical confinement</i>
I-04	
16:00-16:20	Dr. Tadej Emeršič University of Chicago <i>Acoustically driven dynamics of nematic tactoids</i>
O-02	

16:20-16:40	Leonard Fink University of Würzburg <i>New BTT-based star mesogens with broad and highly ordered mesophases bearing great potential for technical applications</i>
O-03	

Chair	
16:40-16:50	Laudatio - Rachel Tuffin
16:50-17:30	Alfred-Saupe-Prize
17:30-20:00	Poster Session      Board Meeting
20:00	End

### Day 2 – Thursday, March 27, 2025

Chair	
08:30-09:00	Prof. Dr. Simone Techert University of Göttingen <i>Ultrafast Time-resolved X-ray Studies of Liquid Crystals</i>
I-05	
09:00-9:30	Dr. Christian Bahr Max Planck Institute for Dynamics and Self-Organization <i>Lattice Boltzmann studies of nematic flow in microfluidic channels and self-propelling droplets</i>
I-06	
9:30-9:50	Chung-Hao Chen University of Manchester <i>Electro-optical devices based on Gel-glass dispersed liquid crystals and polymer-modified liquid crystals</i>
O-04	
9:50-10:10	Florian Kolb University of Stuttgart <i>Impact of Size Fractionation on the Cholesteric Self-Assembly of Chitin Nanocrystal Suspensions in Water</i>
O-05	

10:10-10:40	Coffee / Tea
Chair	
10:40-11:10	Prof. Dr. Juan de Pablo The University of Chicago <i>Synthesis of a Tricyclic Hydrocarbon for Nematic Liquid Crystal Mixtures</i>
I-07	
11:10-11:40	Prof. Jan Lagerwall University of Luxembourg <i>Shear-induced paranematic ordering provides optimum nanoparticle individualization during ultrasonication</i>
I-08	
11:40-12:00	Alexander Jarosik University of Magdeburg <i>Vibration Dynamics of Ferroelectric Fibers in Oscillating Electric Fields</i>
O-06	
12:00 – 14:00	Lunch
Chair	
14:00-14:30	PD Dr. Kostas Daoulas Max Planck Institute for Polymer Research <i>Mesoscopic Modeling of Sanidic Mesophases in Polymers</i>
I-08	
14:30-15:00	Prof. Dr. Andreas Menzel University of Magdeburg <i>Elements of liquid-crystalline order in biologically motivated systems and their consequences</i>
I-09	
15:00-15:20	Selina Itzigebl University of Stuttgart <i>From Lyotropic Phases to Catalysts: Influence of Catalytically Active Metal Ions on Hexagonal Liquid Crystals</i>
O-07	
15:20-15:50	Coffee / Tea

- Changes in the schedule are always possible-

15:50 -16:10	Prof. Zentel, Dr. Bruckner Gedenkansprache / Memorial Address	10:00-10:20 O-11	Prof. Dr. Matthias Lehrmann University of Würzburg <i>High Molecular Biaxiality of Roof-shaped Nematogens – Approaching the Discovery of a Real Thermotropic Biaxial Nematic Phase</i>	Alexey Eremin: Polarity and Charge Transport in Liquid Crystals Formed by Self-Assembled Umbrella-Shaped Subphthalocyanine Mesogens: Doping vs. Covalent Binding of Fullerenes
Chair				
16:10-16:30 O-08	Fathimath Nafla CM University of Würzburg <i>Designing Chiral Star Mesogens: Investigating Their Influence on Liquid Crystal Behavior and Optical Properties</i>	10:20-10:50 Chair	Coffee / Tea	Damyana Takeva: Addition of Chiral Dopants to Liquid Crystalline Chitin Nanocrystal Suspensions
16:30 -16:50 O-09	Kamendra P Sharma Indian Institute of Technology Bombay <i>Nematic Liquid Crystals for Ultra-sensitive Protein Detection</i>	10:50-11:20 I-12	Prof. Dr. Philipp Vana University of Göttingen <i>Shaping the Future of Liquid Crystals: Insights into Mesogenic Radical Polymerization</i>	Hajnalka Nádasi: Magnetic switching dynamics of self-assembled colloidal structures in a multiferroic liquid crystal
16:50-17:10 O-10	Contribution talk Michael Herbst University of Stuttgart <i>Neutron scattering studies on nematic hydrogels</i>	11:20-11:35 O-12	Anton Paar	Xiangyin Tan: Aging Dynamics of Mesoporous Silica via SAXS: Comparing Liquid Crystal Templating Methods
17:10-19:00	Poster Session	11:35	Young Research Award	Anna Savchenko: Effect of Cell Thickness on the Alignment of Ferroelectric Nematic Phases
19:00	Conference Dinner	12:00 – 13:00	Closing	Alexander Jarosik: Analysis of Nanostructured Ferromagnetic Nematics Using X-ray Scattering and Transmission Electron Microscopy

### Poster Session

### Day 3, Friday, March 28, 2025

Chair		Maha Zid: Critical behavior in nematic liquid crystals	Alexander Jarosik: Dynamics of Swimming Algae in Soap Films
09:00-09:30 I-10	Prof. Dr. Francesca Serra University of Southern Denmark <i>The importance of boundaries: photo-alignment to control the trajectory of disclination lines and the tilt angle in nematic liquid crystals</i>	Qun Song: Self-assembled Heterosymmetric Structure with Tunable Polarization Optics for Reversible Matrix Encryption	Robert Gleuwitz: On the seesaw game with lignin and an oriented cellulosic lyotropic mesophase
09:30-10:00 I-11	Prof. Dr. Oleg Lavrentovich Kent State University <i>Deformed states of ferroelectric nematics</i>	Yang Xiao: Investigation of pitch evolution and kinetic arrest in lyotropic liquid crystalline xanthan solutions	Christoph Klopp: Magnetic dynamics in ferromagnetic liquid crystal emulsions
		Tejal Nirgude: Photo responsive Oxadiazole-Derived Liquid Crystalline Polycatenars	Shaohuang Chen: Biopolymer nanofibril–crystal complex with tunable interference colours enabled by crystallization-induced alignment
		Sara Simonovska: Combining Mesogens and MR-TADF Emission	Zngbin Wang: Gel-Film Heterostructure Accelerates Water Evaporation in Confined Nanocrystal Systems