

## Programme

Monday 2 July	Tuesday 3 July	Wednesday 4 July
9:00 <b>Welcome and Opening remarks, Prof Dirk Aarts</b> , DiStruc Coordinator, University of Oxford	9:00 - 9:45 <b>Invited speaker 3- Prof. Igor Muševič</b> , University of Ljubljana: <b>Topological defects on rods in nematic liquid crystals</b>	9:00 - 9:45 <b>Invited speaker 5- Prof. Oleg Lavrentovich</b> , Kent State University: <b>Command of swimming bacteria by anisotropic liquids</b>
9:10 - 9:55 <b>Invited speaker 1- Prof. Ivan Smalyukh</b> , University of Colorado: <b>Low-symmetry nematic colloids from rods</b>	9:45 - 10:10 <b>Christian Lang</b> , JUE: <b>Advancements on Doi-Edwards-Hess theory for non-ideal rod suspensions under shear flow</b>	9:45 - 10:25 <b>Selected talk, Alexander Cumberworth</b> , University of Cambridge: <b>Lattice models and Monte Carlo methods for simulating DNA origami self-assembly</b>
9:55 - 10:20 <b>Louis Cortes</b> , University of Oxford: <b>Self-diffusion of colloidal rods in isotropic, nematic and smectic phases</b>	10:10 - 10:35 <b>Maxime Tortora</b> , University of Oxford: <b>Chiral fluctuations &amp; the origin of chirality in cholesteric phases of DNA origamis</b>	10:25 – 11:05 <b>Selected talk- Carla Fernandez Rico</b> , University of Oxford: <b>Development of model colloidal SU-8 rods for three-dimensional confocal microscopy</b>
10:20 - 10:45 <b>Run Li</b> , JUE: <b>Characterization of small anisotropic colloids by means of time-resolved flow dichroism</b>	10:35 – 11:05 <b>Selected talk- Kristian Thijssen</b> , University of Oxford: <b>Active nematics in confinement</b>	11:05– 11:35 Coffee break
10:45 – 11:15 Coffee break	11:05 – 11: 35 Coffee break	11:35 – 12:20 <b>Invited speaker 6- Prof. Eugenia Kumacheva</b> , University of Toronto: <b>Cellulose nanocrystals: Colloidal liquid crystals in spherical confinement</b>
11:15- 12:00 <b>Selected talk- Yongxiang Gao</b> , Shenzhen University: <b>Engineering colloidal rods for self-assembly and self-propulsion</b>	11:35 - 12:00 <b>Svenja Wagner</b> , TA: <b>Computational Investigation of PpPTA Coagulation</b>	12:20 – 13:00 <b>Selected talk- Adam Edward Stones</b> , University of Oxford: <b>Contact values of pair distribution functions in colloidal hard disks by test-particle insertion</b>
12:00-12:25 <b>Andrii Repula</b> , CNRS: <b>Directing structures in colloidal liquid crystals formed by patchy rod-like particles</b>	12:00 -12:25 <b>Roland Gouzy</b> , Unilever R&D Vlaardingen, Utrecht University: <b>From cellulose microfibrils networks to hybrid biopolymers systems</b>	13:00 – 13:10 Concluding remarks, <b>Dirk Aarts</b> , University of Oxford
12:25- 12:50 <b>Mariana Oshima Menegon</b> , Eindhoven University of Technology: <b>Self-organisation of semi-flexible end-functionalised rod-like colloids</b>	12:25 - 12:50 <b>Blandine Barabé</b> , Nestlé Research Centre: <b>Rheology of doped depletion gels</b>	13:10 - 14:40 Lunch break & Closure

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12:50 - 14:20 Lunch break	12:50 - 14:20 Lunch break	
14:20 - 15:05 <b>Invited Speaker 2- Prof. Daan Frenkel</b> , University of Cambridge: <b>The Devil's Mikado</b>	<b>14:20 - 15:05 Invited Speaker 4 – Prof. Davide Marenduzzo</b> , University of Edinburgh: <b>Living colloidal rods: the physics of growing bacterial microcolonies</b>	
15:05 - 15:30 <b>Luuk Metselaar</b> , University of Oxford: <b>Two-dimensional passive and active blue phases</b>	15:05 - 15:45 <b>Selected talk- Abul Tarafder</b> , Sir William Dunn School of Pathology, University of Oxford: <b>Towards the structural basis of filamentous bacteriophage liquid crystal formation in Pseudomonas aeruginosa biofilms</b>	
15:30 - 15:55 <b>Hanna Anop</b> , CNRS: <b>Directing self-organization of viral rod-like particle suspensions into helical superstructures</b>	15:45 – 16:15 Coffee Break	
15:55 - 16:25 Coffee break	16:15 – 16:55 <b>Selected Talk- James E. Hallett</b> , University of Oxford: <b>Nano-particle resolved studies of deeply supercooled liquids</b>	
16:25 - 16:50 <b>Mohan Das</b> , FORT: <b>Dynamics, structure and stresses in repulsive glasses and attractive gels of colloidal rods</b>	16:55 – 17:35 <b>Selected Talk- Joseph Pollard</b> , University of Warwick: <b>The Catastrophe of Cholesterics</b>	
16:50 - 17:15 <b>Shari Finner</b> , TUE: <b>Geometric percolation in chiral nematic liquid crystals</b>	Discussions	
17:15 - 17:40 <b>Lucille Chambon</b> , FORTH: <b>Synthesis of block copolymer grafted-silica rods and hollow rod capsules</b>	19:30 Mikado Conference Dinner at <b>Cherwell Boathouse</b> Address: Bardwell Rd, Oxford OX2 6ST	
17:50 Departure		