

Date: **Saturday, October 3 (Workshop Active Matter)**

Time	Chair	Category	Authors	Title
<b>8:00-9:15</b>	C. Zannoni	Registration		
<b>9:15-9:30</b>		Welcome (C. Zannoni)		
<b>9:30-10:15</b>		Keynote Lecture	<u>N. L. Abbott</u> , <u>P. C. Mushenheim</u> , <u>R. R. Trivedi</u> , <u>D. B. Weibel</u>	<i>Motile bacteria as active particles at the interfaces of liquid crystals</i>
<b>10:15-11:00</b>		Keynote Lecture	<u>L. Giomi</u>	<i>The geometry and topology of turbulence in active nematics</i>
<b>11:00-11:30</b>		<b>Coffee break</b>		
<b>11:30-12:15</b>		Keynote Lecture	<u>D. Marenduzzo</u>	<i>Modelling self-motile active gel droplets</i>
<b>12:15-14:30</b>		<b>Lunch</b>		
<b>14:30-15:15</b>	A. DeSimone	Keynote Lecture	<u>E. Sharon</u>	<i>Shaping thin sheets by non-uniform local active deformation</i>
<b>15:15-15:45</b>		<b>Coffee break</b>		
<b>15:45-16:30</b>		Keynote Lecture	<u>J. M. Yeomans</u>	<i>Lyotropic active nematics</i>
<b>16:30-17:00</b>		<b>Poster Soundbites</b>		
<b>17:00-18:30</b>		<b>Poster Session</b>		

Date: **Sunday, October 4**

Time	Chair	Category	Authors	Title
9:00-9:30	P. Palfy-Muhoray	Keynote Lecture	P. Silva, A.C. Trindade, F. Vistulo de Abreu, <u>M.H. Godinho</u>	<i>Perversions in elastomeric micro/nano filaments</i>
9:30-10:00		Invited Lecture	A. Duzgun, <u>J. V. Selinger</u>	<i>Dynamic theory of polydomain liquid-crystal elastomers</i>
10:00-10:20		Oral Invited	D. M. Agra-Kooijman, M. R. Fisch, W. Ren, P. J. McMullan, A. C. Griffith, S. Kumar	<i>Stress relaxation and microscopic structural changes in main chain smectic liquid crystal elastomers</i>
10:20-10:50		Coffee break		
10:50-11:20		Invited Lecture	<u>G. Skačej</u> , C. Zannoni	<i>Molecular simulations elucidate soft elasticity in polydomain liquid crystal elastomers</i>
11:20-11:40		Oral	<u>D. Svenšek</u> , G. M. Grason, R. Podgornik_	<i>Tensorial conservation law for nematic polymers and its implication for density - director correlation functions</i>
11:40-12:00		Oral	<u>C. Mostajeran</u>	<i>Curvature generation and shape formation in thin nematic sheets</i>
12:00-12:20		Oral	<u>V. Agostiniani</u> , A. DeSimone	<i>Rigorous derivation of active plate models for thin sheets of nematic elastomers</i>
12:20-14:30		Lunch		
14:30-15:00	S. Zumer	Keynote Lecture	<u>T. Ikeda</u> , G. Hashimoto, K. Takado, T. Ube, M. Suda, H. Yamamoto	<i>Photomobile polymer materials: structures and functions</i>
15:00-15:20		Oral	<u>J.S. Biggins</u>	<i>Mechanical response of nematic elastomer films</i>
15:20-15:40		Oral Invited	<u>P. Martinoty</u> , D. Collin, R. Zouari, H. Finkelmann	<i>Nematic to isotropic phase transition of monodomain and polydomain side-chain liquid crystal elastomers fully swollen by a nematic solvent</i>
15:40-16:00		Coffee break		
16:00-16:20		Oral	<u>W. H. de Jeu</u> , D. Kramer, B. I Ostrovskii	<i>Ordering in fluorinated smectic elastomers</i>
16:20-16:40		Oral	<u>I. Drevenšek-Olenik</u> , M. Čopič, V. Domenici, A. Sánchez-Ferrer	<i>Tunable optical diffractive structures from liquid-crystalline elastomers</i>
16:40-17:00		Oral	<u>C. Echeverria</u> , L. E. Aguirre, P. L. Almeida, M. H. Godinho	<i>Carbon nanotubes for cellulose liquid crystalline responsive networks reinforcement</i>
17:00-17:30		Poster Soundbites		
17:30-19:00		Poster Session		

Date: **Monday, October 5**

Time	Chair	Category	Authors	Title	
8:30-9:00	M. Warner	Keynote Lecture	<u>T. White</u>	<i>Programming shape and soft elasticity in liquid crystalline elastomers</i>	
9:00-9:30		Keynote Lecture	<u>D. S. Wiersma</u>	<i>Photonics walking up a human hair</i>	
9:30-9:50		Oral	<u>P. Palfy-Muhoray</u> , M. Pevnyi, F. Minkowski, Y. Yu, J. Lv	<i>Motion and locomotion of liquid crystal elastomers and networks</i>	
9:50-10:20		Coffee break			
10:20-10:40		Oral	<u>A. Lucantonio</u> , L. Teresi, A. DeSimone	<i>Continuum theory of swelling material surfaces</i>	
10:40-11:00		Oral	<u>H. Zeng</u> , P. Wasylczyk, C. Parmeggiani, D. Martella, D. S. Wiersma	<i>Light robot: functional laser fabrication of liquid crystalline elastomer in micro scale</i>	
11:00-23:00			Excursion, Dinner		

Date: **Tuesday, October 6**

<b>Time</b>	<b>Chair</b>	<b>Category</b>	<b>Authors</b>	<b>Title</b>
<b>9:00-9:30</b>	T. Ikeda	Keynote Lecture	<u>Y. Yu</u> , J. Lv, Y. Liu, J. Zhao	<i>Photodeformable liquid crystal polymers and bioinspired applications</i>
<b>9:30-10:00</b>		Invited Lecture	A. Agrawal, T. Adetiba, X. Li, A. C. Chipara, P. M. Ajayan, J. Jacot, <u>R. Verduzco</u>	<i>Electromechanically responsive liquid crystal elastomer nanocomposites for active cell culture</i>
<b>10:00-10:20</b>		Oral Invited	<u>A. Matsuyama</u>	<i>Volume phase transitions of cholesteric liquid crystalline gels</i>
<b>10:20-10:50</b>		<b>Coffee break</b>		
<b>10:50-11:20</b>		Invited Lecture	<u>J. Watanabe</u> , M. Koga, K. Abe, M. Tokita	<i>Large scaled and reversible contraction and elongation with temperature variation in monodomain main-chain LC elastomer based on triblock copolymer</i>
<b>11:20-11:40</b>		Oral	<u>H. Shahsavani</u> , S. M. Salili, A. Jákl, B. Zhao	<i>Liquid crystal elastomers and networks with hybrid alignment for novel interfacial engineering applications</i>
<b>11:40-12:00</b>		Oral	<u>M. Varga</u> , M. Najafi, R. Selinger	<i>Worms on a plane: active nematic phase of flexible chains</i>
<b>12:00-12:20</b>		Oral	<u>C. Parmeggiani</u> , D. Martella, H. Zeng, P. Wasylczyk, S. Nocentini, M. Piñol, L. Oriol, D. S. Wiersma	<i>The chemistry beyond liquid crystalline elastomeric nanodevices</i>
<b>12:20-14:30</b>		<b>Lunch</b>		
<b>14:30-15:00</b>	W. de Jeu	Keynote Lecture	<u>K. Urayama</u> , H. Nagai, Y. Nishikawa, X. Liang, K. Nakajima	<i>Periodic surface modulation in cholesteric elastomers</i>
<b>15:00-15:20</b>		Oral	<u>N. Miyamoto</u> , T. Inadomi	<i>Anomalous deformation of the poly(N-isopropylacrylamide) gel hybridized with nanosheet liquid crystal aligned by alternate electric field</i>
<b>15:20-15:40</b>		Oral Invited	A. Konya, <u>R. Selinger</u>	<i>Finite element studies of blueprinted nematic polymers: topological defects, defect arrays, and artificial iris</i>
<b>15:40-16:00</b>		<b>Coffee break</b>		
<b>16:00-16:20</b>	F. Giesselmann	Oral	<u>A. Mukherjee</u> , S. L. Srivastava, L. A. Beresnev	<i>Experimental determination of Landau expansion coefficients in low pitch and large spontaneous polarization ferroelectric liquid crystal mixtures</i>
<b>16:20-16:40</b>		Oral	<u>A. Priimagi</u> , A. Shishido	<i>Second- and third-order optical nonlinearities in liquid-crystalline materials: two case studies</i>
<b>16:40-17:00</b>		Oral	<u>P. Rofouie</u> , D. Pasini, A.D. Rey	<i>Surface nanostructures in chiral liquid crystals with water-induced pitch gradient</i>
<b>17:00-17:30</b>	A. DeSimone C. Zannoni	<b>Awards and Closing</b>		