Thursday, Sept. 27

	9:00-9:10	Welcome	
Chair: S. Žumer	9:10-9:50	I1-Lubensky	Theory of Semi-soft Response in Nematic Elastomers
	9:50-10:30	I2-Urayama	Deformation Mode of Nematic Elastomers during Director Rotation under Electric and Mechanical Fields
	10:30-11:00	*Coffee break*	
	11:00-11:30	O1-Martinoty	Shear Mechanical Properties of Nematic Side-chain Liquid Crystal Elastomers
	11:30-12:00	O2-Menzel	Nonlinear Mechanical Behavior of Side-chain Liquid Single Crystal Elastomers
	12:00-12:30	O3-Selinger	Finite Element Simulation of Liquid Crystal Elastomers: Modeling Actuators, Pumps, and Robots
	12:30-14:30	*Lunch*	
Chair: H. Finkelmann	14:30-15:10	I3-Keller	Using Soft Lithography and Two-photon Photochemistry Techniques to Build Micro-actuators with Complex Shapes
	15:10-15:50	I4-Warner	Nematic Photo-elastomers
	15:50-16:20	*Coffee break*	
	16:20-16:50	O4-Oosten	Splayed Photomechanical Microactuators
	16:50-17:20	O5-Mbanga	Finite Element Simulation of Liquid Crystal Elastomers: Modeling Soft Elastic Response
	17:20-18:30	Poster Session	

Friday, Sept. 28

Chair: H. Pleiner	9:00-9:40	I5-Godinho	Liquid Crystalline Cellulose Elastomers under Uniaxial Strain
	9:40-10:20	I6-Finkelmann	Mechanics and Reorientation Behavior of S_A-Elastomers
	10:20-10:50	*Coffee break*	
	10:50-11:20	O6-Sanchez Ferrer	Uniaxial and Shear Deformations in Smectic-C Main-Chain Liquid-Crystalline Elastomers
	11:20-11:50	O7-Hiraoka	Reversible Shape Change of Smectic C Elastomers, Crosslinking Topology and Shape Memory Effect
	11:50-12:20	O8-Hedden	Mechanical Damping in Polydomain Main-chain Smectic Elastomers
	12:20-14:20	*Lunch*	
Chair: R. Selinger	14:20-14:55	I7-Brand	Liquid Crystalline Elastomers vs Magnetic Gels: Similarities and Differences in their Physical Properties
	14:55-15:25	I8-DeSimone	Liquid Crystal Elastomers: Mathematical Analysis and Numerical Simulation
	15:25-16:20	*Coffee break & Discussion on C_5*	
	16:20-16:50	O9-Garcia Marquez	Synthesis and Study of Novel Main Chain Liquid Cristalline Elastomers
	16:50-17:20	O10-Obraztsov	Order and Disorder by Random Crosslinking in Smectic Elastomers
	17:20-17:50	O11-Cordoyiannis	Impact of Crosslinking Density on Critical Behavior in Liquid Single-Crystal Side-Chain and Main-Chain Elastomers
	17:50-18:20	O12-Chambers	Reprocessing of liquid crystal elastomers with conducting particles

Saturday, Sept. 29

Chair: M. Warner	9:00-9:40	I9-Terentjev	Thermoplastic Liquid Crystal Elastomers and Their Fibers
	9:40-10:20	I10-Palffy Muhoray	The Dynamics of Swelling of Nematic Elastomers
	10:20-10:50	*Coffee break*	
	10:50-11:20	O13-Cladis; presented by Brand	Swelling Dynamics and Electromechanical Effects in Tri-functionally Cross-linked LSCEs
	11:20-11:50	O14-Matsuyama	Volume Phase Transitions of Side-chain Liquid Crystalline Gels
	11:50-12:20	O15-Lebar	Accesing Distributions of Microscopic Quantities in Liquid Crystalline Elastomers by Deuterium NMR
	12:20-12:30	Closing	

Posters

P1-Warner	How Rubber Elasticity and Non-linear Elasticity Work [and don't work]
P2-Rogez	Behavior of the Complex Shear Modulus of a Main Chain Crystalline Elastomer as a Function of Temperature and Frequency
P3-DeSimone	Dynamics of Director Rotation in Nematic Gels
P4-Corbett	Photo-induced Deformations of Nematic Cantilevers.
P5-Storz	^{2}H-NMR Studies on Phase Biaxiality in a Smectic Side-Chain Liquid Crystalline Elastomer
P6-Skacej	Biaxial Liquid Crystal Elastomers: A Lattice Model
P7-Adams	Mechanical Response of Monodomain Smectic C Elastomers
P8-Kramer	Breakdown of Layering in Frustrated Smectic-A Elastomers
P9-Garcia Amoros	Influence of Azo Cross-linking Spacers Length on the Opto-mechanical Response of Photoactive LCEs
P10-Ferreira	Order Studies by Deuterium NMR in Disordered Liquid Crystalline Cellulose Derivative Elastomers
P11-Domenici	Synthesis and Physical Characterization of Liquid Single Crystal Elastomers with Various Azomesogens
P12-Zouari	Mechanical Properties of Dry and Swollen Side-chain Liquid Crystalline Elastomers
P13-Jayasri	Nematic-Isotropic Phase transition in Liquid Crystal Elastomers - A non-Boltzmann Monte Carlo study