



## Programme

<b>Chair: Dr. Jorge Coelho</b>		
14.00–14.05	<b>Opening.</b>	
14.05–14.17	<i>Jorge Coelho</i>	<b>Exploring Vortex-Vortex Correlations in Dry Active Matter</b>
14.17–14.29	<i>Bhagyashri Shinde</i>	<b>Defect formation in expanding ensemble of spinners</b>
14.29–14.41	<i>Andrejs Tatuļčenkovs</i>	<b>Orientational order of the hexagonal distribution of an ensemble of spinners</b>
14.41–14.53	<i>Ivars Drikis</i>	<b>Numerical simulation of chevron pattern formation</b>
14.53–15.05	<i>Roberts Treize</i>	<b>Macroscopic experiments of magnetic particle dynamics</b>
15.05–15.17	<i>Viesturs Šints</i>	<b>Life in microfluidics: our results and outlook</b>
15.17–15.40	<b>Coffee break, discussions.</b>	
15.40–15.52	<i>Oksana Petrichenko</i>	<b><i>Some physical-chemical characteristics of the magnetic electrospun materials based on polyacrylonitrile (PAN)</i></b>
15.52–16.04	<i>Māra Šmite</i>	<b><i>Explicit and fully automatic analysis of magnetotactic bacteria motion reveals the magnitude and length scaling of magnetic moments</i></b>
16.04–16.16	<i>Rūdolfs Livanovičs</i>	<b>Gyromagnetic effects in the dynamics of a levitating magnetic particle</b>
16.16–16.28	<i>Lāsma Puķina-Slava</i>	<b>Recent results on gravity stabilized magnetic micro-convection</b>
16.28–16.40	<i>Andris P. Stikuts</i>	<b>Engineering tunable fractional Shapiro steps in colloidal transport</b>
16.40–16.52	<i>Ethan To</i>	<b>Magneto-Optical Sensing of Superparamagnetic Iron Oxide Nanoparticles in Aqueous Solution</b>
16.52–17.00	<b>Closing Remarks, discussions.</b>	