



Programme

Chair: Dr. Andris Pāvils Stikuts		
10.00–10.05	Opening	
10.05–10.15	Dr. Andris Pāvils Stikuts	How to determine the physical parameters of an elastic ferromagnetic filament
10.15–10.25	MSc student Paula Biseniece	Experimental determination of essential parameters of flexible ferromagnetic filaments in rotating field
10.25–10.35	PhD student Māra Šmite	Characterization of ferromagnetic microswimmers using micro particle image velocimetry
10.35–10.45	PhD student Lāsma Puķina-Slava	Comparison of magnetic micro-convection in magnetic field perpendicular or parallel to the microfluidics chip
10.45–11.00	Break, discussions	
11.00–11.10	Dr. Guntars Kitenbergs	Using droplets to probe parameter temperature dependence in phase-separated magnetic fluid
11.10–11.20	Dr. Viesturs Šints	A look at hematite cube chains in rotating magnetic field
11.20–11.30	Dr. Mārtiņš Bricis	Short hematite chains
11.30–11.40	Dr. Rūdolfs Livanovičs	Preliminary work on ferrofluid modelling with lattice Boltzmann methods
11.40–12.00	Break, discussions	
12.00–12.10	Prof. Andrejs Cēbers	Levitated magnet on superconductor
12.10–12.20	MSc student Ojārs Mārtiņš Eberliņš	Influence of dissipation on the dynamics of a levitated ferromagnetic particle in an external magnetic field
12.20–12.30	PhD student Bhagyashri Shinde	Dynamical study of an aggregate of rotlets
12.30–12.40	Dr. Jānis Cīmurs	Active diffusion of HexBug in 2D
12.40–13.00	Break, discussions	