



Programma/Programme

Vadītājs/Chair: Prof. Andrejs Cēbers		
12.00–12.05	<i>Atklāšana/Opening</i>	
12.05–12.35	<i>Dr. Andris Pāvils Stikuts</i>	Motion of microparticles driven by electromagnetic fields
12.35–12.50	MSc student Mārtiņš Klevs	Dynamic mode decomposition of magnetic micro-convection
12.50–13.05	PhD student Māra Šmite	Cell magnetic moment measurement in an environmental sample
13.05–13.20	PhD student Bhagyashri Shinde	The dynamics of interacting ensembles of rotlets
13.20–13.35	Dr. Viesturs Šints	Nutrient flow in an Organ-on-a-Chip is non-Newtonian
13.35–14.00	Kafijas pauze, diskusijas/Coffee break, discussions	
Vadītājs/Chair: Dr. Guntars Kitenbergs		
14.00–14.30	Msc. Jānis Hūns	Prospects for measuring the gyrogravitational ratio of intrinsic spin using a ferromagnetic gyroscope
14.30–14.45	Dr. Andrejs Tatuļčenkovs	Numerical simulation of the magnetic micro-convection with gravity in a Hele-Shaw cell
14.45–15.00	<i>Dr. Rūdolfs Livanovičs</i>	Smoothed profile – lattice Boltzmann methods for particle suspensions
15.00–15.15	<i>Dr. Ivars Driķis</i>	Hexagonal grain patterns of magnetic fluid concentrated phase droplets: formation and reorganization
15.15–15.30	<i>Dr. Oksana Petričenko</i>	Review of magnetic materials prepared in MMML Lab
15.30–15.55	Kafijas pauze, diskusijas/Coffee break, discussions	
15.55–16.00	Noslēgums, diskusijas Conclusions, discussions	