

| <b>78th LU Conference - Magnetic Soft Matter 14th of February - 2020</b> |   |
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|  | <b>Friday, 14th of February - Jelgavas street 3, University of Latvia Science house - Room 801</b>        |
| <b>13:00 - 13:10</b>   | <b>Speech Opening</b>   |
| <b>13:10 - 13:25</b>   | <b>Guntars Kitenbergs : Application of a two-phase PIV to the magnetic micro-convection</b>               |
| <b>13:25 - 13:40</b>   | <b>Andrejs Cebers : Sedimentation potential in magnetic colloids</b>                                      |
| <b>13:40 - 13:55</b>   | <b>Janis Cimurs : Microphase Separation of Magnetic Polymer Brushes</b>                                   |
| <b>13:55 - 14:10</b>   | <b>Jānis Užulis : Numerical calculations of paramagnetic particle self-assembling in precessing field</b> |
| <b>14:10 - 14:30</b>   | <b>Coffee Break</b>   |
| <b>14:30 - 14:45</b>   | <b>Sandris LĀCIS : Optimal magnetic field approximation for a permanent-magnet</b>                        |
| <b>14:45 - 15:00</b>   | <b>Abdelqader Zaben : Flexible Ferromagnetic filaments as Micro-mixers</b>                                |
| <b>15:00 - 15:15</b>   | <b>Andris P. Stikuts: Investigations of collective behavior of rotating magnetic droplets</b>             |
| <b>15:15 - 15:30</b>   | <b>Aigars Langins : A 3D BEM algorithm for simulations of magnetic fluid droplet dynamics</b>             |