

Programme of the "COST workshop on Modelling of Flowing Matter"

16-18 February, Ljubljana, Slovenia



Invited talks - I 45mins

Contributed talks - O 30mins

Monday 16th Feb - Day 1

| Starting hour | Ending hour | Speaker | |
|---------------|-------------|-------------------|----------------------------------------------------------------------|
| 9:00 | 9:15 | | <i>welcome & registration</i> |
| 9:15 | 10:00 | I1 - Pagonabaraga | Mesoscopic models for complex and active fluids |
| 10:00 | 10:30 | O1 - Cristea | Lattice Boltzmann model for bioprinted tissue structures |
| 10:30 | 11:00 | | <i>coffee break</i> |
| 11:00 | 11:45 | I2 - Turner | A topological glass |
| 11:45 | 12:30 | I3 - Sofonea | Lattice Boltzmann models based on Gauss quadratures and applications |
| 12:30 | 14:00 | | <i>lunch</i> |
| 14:00 | 15:00 | | Informal discussions |
| 15:00 | 15:45 | I4 - Telo da Gama | Liquid crystals at surfaces and interfaces: from statics to dynamics |
| 15:45 | 16:15 | O2 - Čopar | Topology of complex fluids |
| 16:15 | 16:45 | | <i>coffee break</i> |
| 16:45 | 17:30 | I5 - Gov | Modeling the dynamics inside active gels |
| 17:30 | 18:00 | O3 - Celani | Odor landscapes in turbulent environments |

Tuesday 17th Feb - Day 2

| Starting hour | Ending hour | Speaker | |
|---------------|-------------|---------------------------|-------------------------------------------------------------------------------------------|
| 9:15 | 10:00 | I6 - Likos | Shear- and flow properties of cluster solids |
| 10:00 | 10:30 | O4 - Praprotnik | Open boundary molecular dynamics of star polymers |
| 10:30 | 11:00 | | <i>coffee break</i> |
| 11:00 | 11:45 | I7 - Brand | Macroscopic behavior of systems with a dynamic preferred direction |
| 11:45 | 12:15 | O5 - Levis | Effective thermodynamics in systems of self-propelled particles |
| 12:15 | 14:00 | | <i>lunch</i> |
| 14:00 | 15:00 | | Informal discussions |
| 15:00 | 15:45 | I8 - Menzel | Active crystals and the effect of deformability on active motion |
| 15:45 | 16:15 | O6 - Delgado - Buscalioni | The immersed boundary method for colloidal fluctuating hydrodynamics at different regimes |
| 16:15 | 16:45 | | <i>coffee break</i> |
| 16:45 | 18:00 | M1 | M1 - Organised discussion on methods in flowing matter |
| 19:00 | | | <i>get together (in the city centre)</i> |

Wednesday 18th - Day 3

| Starting hour | Ending hour | Speaker | |
|---------------|-------------|----------------|--------------------------------------------------------------------------------------------------------------|
| 9:15 | 10:00 | I9 - Cebers | Dynamics of polar order in Quincke suspensions |
| 10:00 | 10:30 | O7 - Urbič | Liquid-liquid critical point in water and methanol and the hydrophobic effect in a core-softened fluid model |
| 10:30 | 11:00 | O8 - Henry | A stochastic model for particle agglomeration in parcel-tracking approaches |
| 11:00 | 11:30 | | <i>coffee break</i> |
| 11:30 | 12:15 | I10 - Araujo | Aggregation of patchy colloids on substrates - a stochastic approach |
| 12:15 | 12:45 | O9 - Fornari | Sedimentation of large particles in turbulent environments |
| 12:45 | 13:15 | O10 - Dobnikar | Designing stimulus-sensitive colloidal walkers |