CECAM Flagship School: Simulating soft matter across scales

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Lecture: Introduction to particle-based simulations, R. Weeber	Lecture: Electrostatics in confinement, C. Holm, A. Schlaich	Lecture: The lattice-Boltzmann method, T. Krüger	Lecture: waLBerla, PyStencils, LbmPy, TBA	Scientific talk, TBA
10:00	Lecture: ESPResSo applications, TBA				Scientific talk, TBA
	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00	Lecture: Polymers, C. Holm	Lecture: Simulations with machine-learned potentials, S. Tovey	Lecture: The LB method, continued, T. Krüger	Lecture: PyStencils, LbmPy, TBA	Scientific talk, TBA
12:00			Lecture: Electrokinetic methods, A. Reinauer	Lecture: Two-phase LB methods, A. Reinauer	Scientific talk, TBA
	Lunch break	Lunch break	Lunch break	Lunch break	Concluding remarks
13:00					Lunch break
14:00	Hands-on session: Lennard-Jones fluid	Hands-on session: Electrolytic capacitors	Hands-on session: LB sedimentation	Hands-on session: Prototyping stencil methods	
15:00					
	Coffee break	Coffee break	Coffee break	Coffee break	
16:00	Hands-on session: Polymer diffusion	Hands-on session: Bulk liquids with MLPs	Hands-on session: Electrokinetics in flow	Hands-on session: Advanced LB simulations	
17:00					
	Scientific talk: C. Peter	Poster session & aperitif		City tour and conference dinner	
18:00					
	Social dinner				
19:00					