ESPResSo and Python: Versatile Tools for Soft Matter Research

	Monday	Tuesday	Wednesday	Thursday	Friday
10:00	Lecture: Introduction to particle-based simulations	Lecture: Charged soft matter	Lecture: Introduction to polymers	Lecture: Lattice-Boltzmann	Lecture: Reaction ensemble
11:00			Lecture: Ferrofluids		
12:00	Lecture: ESPResSo features Lecture: Error estimation in simulation data	Lecture: Ewald and P3M	Lecture: Scientific data management	Lecture: Electrokinetics	Concluding remarks
13:00					
14:00	Hands-on session: Lennard-Jones liquid	Hands-on session: Electrostatics: charged rod	Hands-on session: Magnetostatics: ferrofluids	Hands-on session: Lattice-Boltzmann and polymer diffusion	Hands-on session: Reaction ensemble and constant-pH method
15:00					
16:00					
17:00	Talk: Gary Slater (University of Ottawa)	Talk: Kai Szuttor (University of Stuttgart)	Talk: Sofia Kantorovich (University of Vienna)	Talk: Stephan Gekle (University of Bayreuth)	
18:00	Hands-on session: Lennard-Jones liquid (evening group)	Hands-on session: Electrostatics: charged rod (evening group)	Hands-on session: Magnetostatics: ferrofluids (evening group)	Hands-on session: Lattice-Boltzmann and polymer diffusion (evening group)	Hands-on session: Reaction ensemble and constant-pH method (evening group)
19:00					
20:00					

Schedule for the CECAM Flagship School ESPResSo, October 05–09, 2020, Central European Summer Time (UTC+2 hours).