

LIBER Workshop 2024



Tuesday 29.10.2024

Departure of the buses: at 8:00 from Hervanta and 8:30 from Otaniemi

9:00 – 9:30 Arrival at **Gustavelund Hotel** ([Kirkkotie 36, 04310 Tuusula](#))

Morning coffee & luggage storage, name tags from the registration desk.

Session 1. at Lake Tuusula Hall. Chair: Markus Linder

10:00 – 10:15 Welcome and announcements

10:15 – 12:15 **Phase transitions in life: from biomolecular condensates to traffic jams**

Tutorial lecture by Prof. Mikko Haataja (Princeton University, USA)

12:15 – 13:15 Lunch (60 min)

Session 2. at Lake Tuusula Hall. Chair: Maria Sammalkorpi

13:15 – 14:45 **Multiscale materials simulations for experimentalists**

Tutorial lecture by the Soft Materials Modelling Group
(Fabio Priante, Adam Harmat, Max Philipp Holl)

14:45 – 15:15 Coffee break (30 min)

Session 3. at Lake Tuusula Hall. Chair: Timonen

15:15 – 16:30 **How to engineer magnetic bacteria (a case study for non-biologists)**

Tutorial lecture by Géza Szilvay (VTT) & Prof. Sesilja Aranko (Aalto University)

16:30 – 17:00 Check-in and going to the rooms

EVENING PROGRAM

17:00 – 18:45 Free time activities (Sauna, gym, walking outdoors, socializing with friends, etc.)

19:15 – 20:30 Buffet dinner

20:30 – 23:30 Club open! (optional)

Wednesday 30.10.2024

8:00 – 10:00 Breakfast buffet, check out from the rooms

Session 4: at Auditorium. Chair: Mauri Kostiainen

10:00 – 12:30 **Blender Workshop: Creating (bio)molecular visuals.**

Tutorial lecture by Prof. Mauri Kostiainen.

For this session, everyone should have their laptop and install Blender in advance.

Download Blender for free: <https://www.blender.org/download/>

12:30 – 13:30 Buffet lunch (60 min)

14:00 Depart from Gustavelund Hotel by buses to Otaniemi and Hervanta campuses