

The Edwards Centre for Soft Matter Mini-Conference

Friday 4 February 2022



Zoom meeting ID: 952 8884 9518

13:00 Meeting starts

13:05 - 13:50 **Keynote Lecture: Prof. Jasna Brujic (NYU)**

Self-assembly Through Programmable Folding

13:50 - 14:10 Yann-Edwin Keta (DAMTP)

Disordered collective motion in dense assemblies of persistent particles

14:10 - 14:30 Sheila Bhatt (Chem. Eng.)

Colloidal redistribution during drying : blood droplet patterns & diagnostics

14:30 - 14:40 Break

14:40 - 15:20 **Keynote Lecture: Dr Alice Thorneywork (Cav.)**

Revealing polymer adsorption potentials from current fluctuations

15:20 - 15:40 Dr Tirthankar Banerjee (DAMTP)

Tracer dynamics in active and passive environments

15:40 - 16:00 Dr Francesco Boselli (DAMTP)

Fluid mechanics of mosaic ciliated tissues

16:00 - 16:10 Break

16:10 - 16:55 **Keynote Lecture: Dr John S. Biggins (Engineering)**

Nematic Elastomer Mechanisms

16:55 - 17:15 Dr Venkat Kapil (Chemistry)

First-principles phase diagram of nano-confined water: unveiling hexatic and superionic phases

17:15 Meeting ends