

Colloidal self-assembly and interactions with interfaces

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The discussion will address, but not be limited to, the following:

- Assembly of surface-textured colloidal particles ranging from patchy colloids to spherical colloids in ordered fluids, where the patches are equilibrium defects with very precise symmetries.
- Experimentally-validated models for the effective interactions and self-assembly of patchy colloids at fluid-fluid and solid-fluid interfaces.
- Dynamic behaviour of colloidal particles at, and in approaching/ passing through fluid-fluid interfaces.