

## Mean-Field Limits for Singular Flows

*jeudi 25 mai 2023 10:30 (1 heure)*

We consider a system of  $N$  points in singular interaction of Coulomb or Riesz type, evolving by gradient flow or conservative flow (such as the point vortex system in 2D) with or without noise. We discuss convergence to the mean-field limit by a modulated energy method, that relies on a commutator estimate. The method also allows to obtain global-in-time convergence

**Orateur:** Prof. SERFATY, Sylvia (New-York University)