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# Averaging techniques for Vlasov and Vlasov-Poisson equations.

*Thursday, 20 June 2019 10:00 (45 minutes)*

In this talk, I will present some recent work on the use of averaging techniques to derive asymptotic models of Vlasov and Vlasov-Poisson equations. I will in particular discuss to what extent they can help to design uniformly accurate numerical methods. This is a joint work with N. Crouseilles, M. Lemou, F. Méhats and X. Zhao.

**Presenter:**   Prof. CHARTIER, Philippe (INRIA Rennes)