Stein’s Method with Malliavin Calculus
Ivan Nourdin, Vandoeuvre-lès-Nancy

I will explain how a suitable integration by parts formula of Malliavin calculus can be fruitfully combined with the differential operators arising in Stein's method, in order to deduce a set of new results for functionals of Gaussian fields, ranging from general CLTs (as well as explicit rates of convergence) to density estimates.