1093-35-159 **Giovanni Cupini*** (giovanni.cupini@unibo.it), Dipartimento di Matematica, Università di Bologna, Piazza di Porta San Donato 5, 40126 Bologna, Italy. L^p estimates for degenerate Ornstein-Uhlenbeck operators.

In two joint papers with Bramanti, Lanconelli and Priola, global L^p estimates, p > 1, for hypoelliptic degenerate Ornstein-Uhlenbeck operators are proved, in absence of an underlying structure of homogeneous group. These estimates are the by-product of L^p estimates for the corresponding evolution operator. In our talk we will describe how abstract recent results for singular integrals in nonhomogeneous spaces enabled us to get the results. (Received August 12, 2013)