Generalized Curvature Condition for Subelliptic Diffusion Processes

Feng-Yu Wang (Beijing Normal University)

Time **Thursday, July 26, 2012 at 14:00**
Place **Campus Kirchberg, room A02**

By using a general version of curvature condition, derivative inequalities are established for a large class of subelliptic diffusion semigroups. As applications, the Harnack/cost-entropy/cost-variance inequalities for the diffusion semigroups, and the Poincaré/log-Sobolev inequalities for the associated Dirichlet forms in the symmetric case, are derived.