

**Meeting:** 1002, Pittsburgh, Pennsylvania, SS 12A, Special Session on Geometric Analysis and Partial Differential Equations in Subelliptic Structures

1002-35-94            **ChangYou Wang\*** (cywang@ms.uky.edu), Lexington, KY 40506. *The Comparison Principle for Viscosity Solutions to Some Fully Nonlinear Subelliptic Equations on Carnot Groups*. Preliminary report.

In this talk, I will discuss the comparison principle for a class of fully nonlinear subelliptic equations on Carnot groups, which includes the horizontal infinity Laplace equations. Some applications will also be given. (Received September 07, 2004)