

**Meeting:** 1001, Evanston, Illinois, SS 24A, Special Session on Hopf Algebras at the Crossroads of Algebra, Category Theory, and Topology

1001-16-187      **Akira Masuoka\*** ([akira@math.tsukuba.ac.jp](mailto:akira@math.tsukuba.ac.jp)), Institute of Mathematics, University of Tsukuba, 305-8571 Tsukuba, Ibaraki, Japan. *Hopf-algebraic approach to super affine groups and super formal groups*. Preliminary report.

Hopf-algebraic methods and techniques such as Hopf modules and the coalgebra filtration will be applied to prove some basic results on super affine groups and super formal groups in arbitrary characteristic, including the fundamental correspondence between subgroups and quotients. (Received August 25, 2004)