1036-11-129 **Stephen D Miller*** (`miller@math.rutgers.edu`), Rutgers University Department of Mathematics, 110 Frelinghusen Road, Piscataway, NJ 08854. *Applications of Invariant Distributions.*

I'll discuss recent work about distributions on Lie groups which obey invariance properties under arithmetic subgroups, and their applications to cryptography and number theory. (Received January 20, 2008)