A $(t, n)$-threshold secret sharing scheme is a method to distribute a secret among $n$ participants in such a way that any $t$ participants can recover the secret, but no $t - 1$ participants can. In this talk, we propose two secret sharing schemes using non-abelian groups. One scheme is the special case where all the participants must get together to recover the secret. The other one is a $(t, n)$-threshold scheme that is a combination of Shamir’s scheme and the group-theoretic scheme proposed in this talk. This is a joint work with M.Habeeb and V.Shpilrain. (Received September 24, 2012)