**February 28:** Ivan Losev (Moscow State University and Rutgers University), "A uniqueness property for smooth affine spherical varieties." FOLLOWED BY DINNER.

Let $G$ be a connected reductive algebraic group over an algebraically closed field of characteristic 0. A normal irreducible $G$-variety $X$ is called spherical if a Borel subgroup of $G$ has an open orbit on $X$. It was conjectured by F. Knop that two smooth affine spherical $G$-varieties with the same weight monoids are isomorphic as $G$-varieties. Here by the weight monoid of $X$ we mean the set of highest weights of the algebra of regular functions on $X$ considered as a $G$-module. It was proved by Knop that this conjecture implies a uniqueness property for multiplicity free Hamiltonian actions of compact groups on compact real manifolds (the Delzant conjecture). In the talk I am going to outline my recent proof of Knop's conjecture (arXiv:math/AG.0612561).