Seminar of the Department of Mathematics and Statistics, University of Cyprus

**Room**: 037, ΣΘΕΕ01. **Date**: 07/02/2018 **Time**: 11:00

**Speaker** : Stavros Papadakis (University of Ioannina)

**Title** : *Equivariant degenerations of spherical modules*

**Abstract**:

Given a reductive algebraic group $G$ and an invariant Hilbert function $h$, Alexeev and Brion have defined a moduli scheme $M$ which parametrizes affine $G$-schemes $X$ with the property that the coordinate ring of $X$ decomposes, as $G$-module, according to the function $h$. The talk will be about joint work with Bart Van Steirteghem (New York) which studies the moduli scheme $M$ under some additional assumptions.