Department of Mathematics, BGU

AGNT

On *Wednesday, June ,5 2019*

At *15:10 – 16:25*

In *101-*

Dan Edidin (University of Missouri, Columbia)

will talk about

A GIT characterization of cofree representations

Abstract: Let V be a representation of a connected reductive group G. A representation is cofree fi $k[V]$ is a free $k[V]^G$ module. There is a long history of work studying and classfiying cofree representations of reductive groups. In this talk I present a simple conjectural characterization of cofree representations in terms of geometric invariant theory. Matt Satriano and I have proved the conjecture for irreducible representations of SL_n as well as for torus actions. I will give motiviation for the conjecture and explain the techniques which can be used for its verfiication. This talk based on joint work with Matt Satriano.