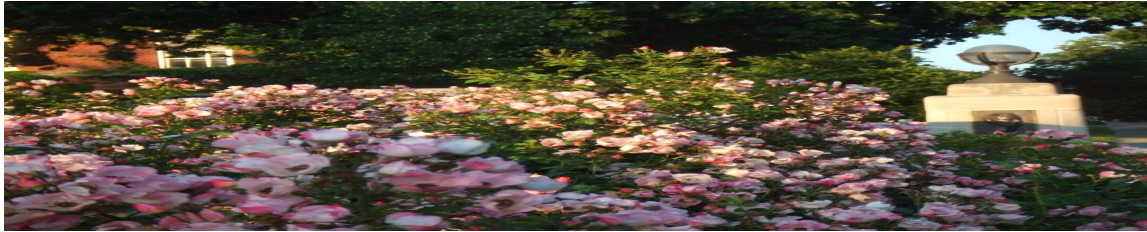# ISU ALGEBRA SEMINAR

FALL 2016 SCHEDULE

Wednesdays, 11:00 AM-11:50 AM at Williams Hall, room 21
Refreshments will be provided.

October 5, 2016

Speaker: Gaywalee Yamskulna

Title: N=4 Super Conformal Algebra and Mathieu Moonshine Conjecture

Abstract: Mathieu Moonshine Conjecture is rooted in String theory. However, it has ramifications in many areas of Mathematics such as finite group theory, algebraic geometry, number theory and super vertex operator algebra. In this talk, I will describe this exciting conjecture, N=4 super conformal algebras and their connections to Super Vertex Operator Algebras. In particular, I will discuss my joint work with Mason, and Tuite on N=4 sub algebras of Super Vertex Operator Algebras.